



## **Cisco MDS 9000 Series Switches NX-OS System Messages Reference**

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# Introduction

This chapter describes system messages, as defined by the syslog protocol (RFC 3164). It describes how to understand the syslog message format and how to capture system messages for review.

This chapter contains the following sections:

- [System Log Message Format, page 1-1](#)
- [Capturing System Messages and History, page 1-5](#)

## System Log Message Format

System log messages begin with a percent sign (%) and are displayed in the following formats:

- [Syslog Format On a Resident Switch, page 1-1](#)
- [Syslog Format On a Remote-Logging Server, page 1-3](#)

## Syslog Format On a Resident Switch

The format for a resident syslog is:

```
month dd hh:mm:ss switchname facility-severity-MNEMONIC description
or
month dd hh:mm:ss switchname facility-SLOTnumber-severity-MNEMONIC description
or
month dd hh:mm:ss switchname facility-STANDBY-severity-MNEMONIC description
```

For example:

```
Nov 1 14:07:58 excal-113 %MODULE-5-MOD_OK: Module 1 is online
Nov 1 14:07:58 excal-113 %PORT-3-IF_UNSUPPORTED_TRANSCEIVER: Transceiver for interface
fc1/13 is not supported
.
```

**Table 1-1** System Log Message Format Description

Element	Description
month dd	The date and month of the error or event
hh:mm:ss	The time of the error or event
switchname	The name of the switch
facility	The facility of the error or event (daemon, kernel, VSHD, or other facility)

**Table 1-1 System Log Message Format Description (continued)**

Element	Description
severity	Single-digit code from 0 to 7 that indicates the severity of the message
MNEMONIC	Text string that uniquely describes the system message
;%\$VDC #%\$	An optional virtual device context (VDC) ID that appears in the description for messages requiring VDC IDs
;%\$VRF #%\$	An optional virtual routing and forwarding (VRF) ID that appears in the description for messages requiring VRF IDs
description	Text string containing detailed information about the event being reported

FACILITY is a code consisting of two or more uppercase letters that indicate the facility to which the system message refers. A facility is a hardware device, a protocol, a feature, or a module of the system software.

System message SEVERITY codes range from 0 to 7 and reflect the severity of the condition. The lower the number, the more serious the situation. [Table 1-2](#) lists the severity levels.

**Table 1-2 System Message Severity Levels**

Level	Description
0 – emergency	System unusable
1 – alert	Immediate action needed
2 – critical	Critical condition
3 – error	Error condition
4 – warning	Warning condition
5 – notification	Normal but significant condition
6 – informational	Informational message only
7 – debugging	Appears during debugging only

MNEMONIC is a code that uniquely identifies the system message.

Message-text is a text string that describes the condition. This portion of the message might contain detailed information about the event, including terminal port numbers, network addresses, or addresses that correspond to locations in the system memory address space. Because the information in these variable fields changes from message to message, it is represented here by short strings enclosed in square brackets ( [ ] ). A decimal number, for example, is represented as [dec].

[Table 1-3](#) lists the representations of variable fields and the type of information in the fields.

**Table 1-3 Representation of Variable Fields in System Messages**

Representation	Type of Information
[dec]	Decimal number
[hex]	Hexadecimal number
[char]	Single character
[chars]	Character string

The following example system message shows how the variable field might be used:

```
%MODULE-5-MOD_MINORSWFAIL: Module [dec] reported a failure in service [chars]
```

In this example,

Facility code =MODULE (indicating that it is a module-specific error)

Severity =5 (notification)

Alarm/event code= MOD\_MINORSWFAIL

Description of the problem= Module [dec] reported a failure in service [chars]

[dec] is the module slot number associated with this message.

[chars] is the service name that experienced this failure.

System log messages begin with a percent sign (%) and are displayed in the following format (see [Table 1-4](#)).

## Syslog Format On a Remote-Logging Server

The syslog format on a remote-logging server is:

```
month dd hh:mm:ss IP-addr-switch : year month day hh:mm:ss Timezone: facility-severity-MNEMONIC
description
```

or

```
month dd hh:mm:ss IP-addr-switch : year month day hh:mm:ss Timezone:
```

```
facility-SLOTnumber-severity-MNEMONIC description
```

or

```
month dd hh:mm:ss IP-addr-switch : year month day hh:mm:ss Timezone: facility-STANDBY-severity-MNEMONIC
```

```
description
```

For example:

```
sep 21 11:09:50 172.22.22.45 : 2005 Sep 04 18:18:22 UTC: %AUTHPRIV-3-SYSTEM_MSG: ttyS1:
```

```
togetattr: Input/output error - getty[28224]
```

```
switch resident syslog 2005 Sep 4 18:18:22 switch %AUTHPRIV-3-SYSTEM_MSG: ttyS1:
```

```
togetattr: Input/output error - getty[28224]
```

```
time on switch : 2005 Sep 4 18:18:22 time on Logging Server : Sep 21 11:09:50
```

```
fcl/13 is not supported
```

.

**Table 1-4 System Log Message Format Description**

Element	Description
month dd	The date and month of the error or event
hh:mm:ss	The time of the error or event
IP-addr-switch	The IP address of the switch
facility	The facility of the error or event (daemon, kernel, VSHD, or other facility)
severity	Single-digit code from 0 to 3 that indicates the severity of the message
MNEMONIC	Text string that uniquely describes the system message
;%\$VDC #;\$	An optional virtual device context (VDC) ID that appears in the description for messages requiring VDC IDs
;%\$VRF #;\$	An optional virtual routing and forwarding (VRF) ID that appears in the description for messages requiring VRF IDs
description	Text string containing detailed information about the event being reported

FACILITY is a code consisting of two or more uppercase letters that indicate the facility to which the system message refers. A facility is a hardware device, a protocol, a feature, or a module of the system software.

System message SEVERITY codes range from 0 to 3 and reflect the severity of the condition. The lower the number, the more serious the situation. [Table 1-5](#) lists the severity levels.

**Table 1-5 System Log Message Format description**

Level	Description
0 – emergency	System unusable
1 – alert	Immediate action needed
2 – critical	Critical condition
3 – notification	Normal but significant condition

MNEMONIC is a code that uniquely identifies the system message.

Message-text is a text string that describes the condition. This portion of the message might contain detailed information about the event, including terminal port numbers, network addresses, or addresses that correspond to locations in the system memory address space. Because the information in these variable fields changes from message to message, it is represented here by short strings enclosed in square brackets ( [ ] ). A decimal number, for example, is represented as [dec].

[Table 1-6](#) lists the representations of variable fields and the type of information in the fields.

**Table 1-6 Representation of Variable Fields in System Messages**

Representation	Type of Information
[dec]	Decimal number
[hex]	Hexadecimal number
[char]	Single character
[chars]	Character string

The following example system message shows how the variable field might be used:

```
%AUTHPRIV-3-SYSTEM_MSG: AUTHPRIV [dec] reported a failure in service [chars]
```

In this example,

Facility code =AUTHPRIV (indicating that it is a authpriv-specific error)

Severity =3 (notification)

Alarm/event code= SYSTEM\_MSG

Description of the problem= Authpriv [dec] reported a failure in service [chars]

[dec] is the module slot number associated with this message.

[chars] is the service name that experienced this failure.



# Capturing System Messages and History

The system messages are displayed instantly on the console, by default, or are redirected to an internal log file, or a syslog server. System message severity levels correspond to the keywords assigned by the **logging** global configuration commands. These keywords define where and at what level these messages appear (see to the *Cisco NX-OS System Management Configuration Guide*). Only system messages that correspond to the configured logging level or higher severity messages are logged. As an example, if you set the logging level to 3 (error), then you get error, critical, alerts, and emergency system messages, but you do not get warning, notification, informational, or debugging system messages.

For complete information about handling system messages, see the *Cisco NX-OS System Management Configuration Guide, Release 4.1*.

## Saving the System Messages Log

The **logging logfile** global configuration command enables copying of system messages to an internal log file and optionally sets the size of the file. To display the messages that are logged in the file, use the **show logging EXEC** command. The first message displayed is the oldest message in the buffer. To clear the current contents of the buffer, use the **clear debug-logfile** command.

## Logging System Messages to a Syslog Server

The **logging host-name** command identifies a syslog server host to receive logging messages. The *host-name* argument is the name or Internet address of the host. By issuing this command more than once, you build a list of syslog servers that receive logging messages. The **no logging host-name** command deletes the syslog server with the specified address from the list of syslog servers.





## System Messages and Recovery Procedures

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This chapter includes system messages for the Cisco NX-OS MDS 9000 Series Switches. The messages are listed in alphabetical order by the system facility that produces them. Within each system facility section, messages are listed alphabetically by severity and mnemonics. Each Message is followed by an explanation and a recommended action.

The book includes the following chapters.

- “A to E”
- “F to L”
- “M to R”
- “S to T”
- “U to Z”





## A to E

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This chapter includes system messages for the Cisco NX-OS MDS 9000 families of switches. The messages are listed in alphabetical order by the system facility that produces them. Within each system facility section, messages are listed alphabetically by severity and mnemonics. Each message is followed by an explanation and a recommended action.

### AAA Messages

This section contains the AAA messages.

#### AAA-1

**Message** AAA-1-AAA\_SESSION\_LIMIT\_REJECT: aaa request rejected as maximum aaa sessions are in progress

**Explanation** Aaa request rejected as the limit for maximum concurrent aaa sessions is reached

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

#### AAA-2

**Message** AAA-2-AAA\_NVRAM\_UPGRADE\_FAILURE: upgrading of accounting log failed. [chars]

**Explanation** Upgrading of accounting log failed.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** AAA-2-AAA\_PROGRAM\_EXIT: aaa daemon exiting: [chars]

**Explanation** Aaa daemon is exiting.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## AAA-3

**Message** AAA-3-AAA\_ERR\_MSG: [chars]

**Explanation** AAA Message

**Recommended Action** No action is required.

**Message** AAA-3-AAA\_NVRAMFAILURE: nvram failure

**Explanation** Nvram can not be read/written to. Hence accounting log can not be stored there

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## AAA-6

**Message** AAA-6-AAA\_ACCOUNTING\_MESSAGE: [chars]

**Explanation** Accounting Message

**Recommended Action** No action is required.

## AAA-7

**Message** AAA-7-AAA\_DBG\_MSG: [chars]

**Explanation** AAA Debug Message

**Recommended Action** No action is required.

## AAM Messages

This section contains the AAM messages.

### AAM-2

**Message** AAM-2-ELS\_FC2\_GL\_SINDEX\_LOOKUP\_FAILED: Failed to lookup global port index for interface [[chars]]

**Explanation** Failed to lookup global port index for interface [chars]

**Recommended Action** No action is required.

## AAM-3

**Message** AAM-3-ALLOC\_FAILED: Failed in File:[chars] Line:[dec] for type [dec] size [dec]

**Explanation** AAM process could not allocate heap memory in File:[chars], at line:[dec], for memory-type:[dec] of Size:[dec]

**Recommended Action** No action is required.

**Message** AAM-3-ASSERTION\_FAILED: Failed in File:[chars] Line:[dec]

**Explanation** AAM Process assertion failed in File:[chars], at line:[dec]

**Recommended Action** No action is required.

## ACLLOG Messages

This section contains the ACLLOG messages.

### ACLLOG-4

**Message** ACLLOG-4-ACLLOG\_MAXFLOW\_REACHED: [chars]

**Explanation** Max flow reached in current interval: [chars]

**Recommended Action** No action is required.

**Message** ACLLOG-4-ACLLOG\_THRESHOLD: [chars]

**Explanation** Threshold Reached for Flow: [chars]

**Recommended Action** No action is required.

### ACLLOG-6

**Message** ACLLOG-6-ACLLOG\_FLOW\_INTERVAL: [chars]

**Explanation** Flow info in current alert interval: [chars]

**Recommended Action** No action is required.

**Message** ACLLOG-6-ACLLOG\_NEW\_FLOW: [chars]

**Explanation** New Aclog Flow: [chars]

**Recommended Action** No action is required.

## ACLMGR Messages

This section contains the ACLMGR messages.

### ACLMGR-2

**Message** ACLMGR-2-ACLMGR\_COMMIT\_FAIL: Commit failed: [chars]

**Explanation** The PPF commit failed

**Recommended Action** No action is required.

**Message** ACLMGR-2-ACLMGR\_NO\_ERRDISABLED: [chars] event on interface [chars] ([hex]) allowed to succeed in spite of access-list failure

**Explanation** Although an access-list operation failed during a port event, the port event still finished successfully because errdisable is not allowed

**Recommended Action** No action is required.

**Message** ACLMGR-2-EXITING: Exit reason: [chars]

**Explanation** The ACLMGR service process has exited due to [char]. The process has probably been restarted automatically.

**Recommended Action** No action is required.

**Message** ACLMGR-2-INITFAIL: ACLMGR Service Init failed: [chars]

**Explanation** ACLMGR Service initialization failed. [chars] explains the reason for the failure.

**Recommended Action** No action is required.

**Message** ACLMGR-2-MALLOC\_ERROR: Size [dec] bytes

**Explanation** The ACLMGR service could not allocate memory.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.



**Message** ACLMGR-2-PSS\_ERROR: [chars]: PSS ret. val=[dec]

**Explanation** The ACLMGR service encountered error while operating on a persistent storage database.

**Recommended Action** No action is required.

## ACLMGR-3

**Message** ACLMGR-3-ACLMGR\_DB\_LOCK\_MSG: ACL database message, reason: [chars], session 0x%llx, type: [chars]

**Explanation** ACL PPF database lock acquire/release related message.

**Recommended Action** No action is required.

**Message** ACLMGR-3-ACLMGR\_GSYNC\_ERROR: Error occurred during global sync of ACL runtime database to standby, reason: [chars], [chars]

**Explanation** ACL snapshot to send the copy of runtime database to standby failed

**Recommended Action** No action is required.

**Message** ACLMGR-3-ACLMGR\_PPF\_ERROR: PPF error: [chars]

**Explanation** The PPF generated error

**Recommended Action** No action is required.

**Message** ACLMGR-3-ACLMGR\_PSS\_CORRUPTED: [chars] PSS found corrupted

**Explanation** The ACLMGR service has detected corruption in one of its persistent information database. The database would be recreated.

**Recommended Action** No action is required.

**Message** ACLMGR-3-ACLMGR\_STAT\_CONSOLIDATION\_FAILURE: ACL statistic parsing or consolidation failed

**Explanation** A statistic update failed during the parsing or consolidation step; statistics may have been lost

**Recommended Action** No action is required.

**Message** ACLMGR-3-ACLMGR\_VACL\_REDIRECTION\_DISABLED\_REMOVAL: VACL redirection to interface [chars] ([hex]) disabled: the port has been removed

**Explanation** A VACL redirection to the port has been deactivated because the port has been removed

**Recommended Action** No action is required.

**Message** ACLMGR-3-ACLMGR\_VERIFY\_FAIL: Verify failed: [chars]

**Explanation** The PPF Verify failed

**Recommended Action** No action is required.

**Message** ACLMGR-3-ACLMGR\_COMMIT\_FAIL: Commit failed: [chars]

**Explanation** The PPF commit failed

**Recommended Action** No action is required.

**Message** ACLMGR-3-MTSERROR: [chars]

**Explanation** ACLMGR Service encountered an MTS error. [chars] specifies the context where the error occurred.

**Recommended Action** No action is required.

## ACLMGR-4

**Message** ACLMGR-4-ACLMGR\_PPF\_WARNING: PPF warning: [chars]

**Explanation** The PPF generated warning

**Recommended Action** No action is required.

**Message** ACLMGR-4-ACLMGR\_VACL\_REDIRECTION\_DISABLED\_PCM: VACL redirection to interface [chars] ([hex]) disabled: the port became a portchannel member

**Explanation** A VACL redirection to the port has been temporarily deactivated because it is now a member in a port channel

**Recommended Action** No action is required.

**Message** ACLMGR-4-PSS\_VERSION\_MISMATCH: PSS [dec] Code [dec]

**Explanation** There was a version mismatch between the ACLMGR service and one of its persistent storage databases. The persistent information has been translated to the new format.

**Recommended Action** No action is required.

## ACLMGR-6

**Message** ACLMGR-6-ACLMGR\_PPF\_NOTIF: PPF notification: [chars]

**Explanation** The PPF generated notification

**Recommended Action** No action is required.

**Message** ACLMGR-6-BECAME\_ACTIVE: Became ACTIVE from standby mode

**Explanation** The ACLMGR service on the standby supervisor became active and it is ready to serve client requests.

**Recommended Action** No action is required.

**Message** ACLMGR-6-BECAME\_STDBY: Became STANDBY from active mode

**Explanation** The ACLMGR service became standby from active mode.

**Recommended Action** No action is required.

**Message** ACLMGR-6-FAILED\_TO\_SEND\_HEARTBEAT: Failed to send heartbeat to system manager: Reason=[chars]

**Explanation** The ACLMGR service was unable to send heartbeat to the system manger

**Recommended Action** No action is required.

**Message** ACLMGR-6-SERVICE\_UP: Initialized [chars]

**Explanation** The ACLMGR service is up and ready The service was initialized in [char] mode.

**Recommended Action** No action is required.

**Message** ACLMGR-6-SRVEXIT: ACLMGR Service shutting down gracefully

**Explanation** ACLMGR Service is shutting down gracefully. This is an informational message.

**Recommended Action** No action is required.

**Message** ACLMGR-6-SWITCHOVER: Switching Over to other Sup.

**Explanation** The ACLMGR service has successfully switched over to the standby supervisor card.

**Recommended Action** No action is required.

## ACLQOS Messages

This section contains the ACLQOS messages.

### ACLQOS-SLOT#-2

**Message** ACLQOS-SLOT#-2-ACLQOS\_FAILED: ACLQOS failure: [chars]

**Recommended Action** ACLQOS operation, in the ACLQOS client, has failed.

**Recommended Action** If the error persists, collect the output from the **show tech-support aclqos** command and provide the Cisco Technical Assistance Center (TAC) representative with the information you have gathered.

**Message** ACLQOS-SLOT#-2-ACLQOS\_INBAND\_INTERFACE\_FAILURE: Inband interface lif lookup failed ([chars])

**Explanation** Inband interface Loss of IMA Frame (LIF) lookup has failed.

**Recommended Action** If the error persists, collect the output from the **show tech-support aclqos** command and provide the Cisco Technical Assistance Center (TAC) representative with the information you have gathered.

**Message** ACLQOS-SLOT#-2-ACLQOS\_MALLOC\_FAILED: Memory allocation failed. [chars]

**Explanation** Memory allocation failed. This is a critical failure

**Recommended Action** If the error persists, collect the output from the **show tech-support aclqos** command and provide your Cisco TAC representative with the information you have gathered.

**Message** ACLQOS-SLOT#-2-ACLQOS\_OOTR: Tcam resource exhausted: [chars]

**Explanation** The TCAM resources that are required to program ACLS have been exhausted.

**Recommended Action** If the error persists, collect the output from the **show tech-support aclqos** command and provide the Cisco Technical Assistance Center (TAC) representative with the information you have gathered.

**Message** ACLQOS-SLOT#-2-PPF\_FAILED: Database failure: [chars]

**Explanation** Database operation, in the ACLQOS client, has failed.

**Recommended Action** If the error persists, collect the output from the **show tech-support aclqos** command and provide the Cisco Technical Assistance Center (TAC) representative with the information you have gathered.

## ACLQOS-SLOT#-3

**Message** ACLQOS-SLOT#-3-ACLQOS\_CC\_INVALID: Invalid Congestion Control parameters: [chars]

**Explanation** The congestion control parameters are invalid.

**Recommended Action** If the error persists, collect the output from the **show tech-support aclqos** command and provide your Cisco TAC representative with the information you have gathered.

**Message** ACLQOS-SLOT#-3-ACLQOS\_MCM\_ERROR: MCM Message Inconsistent. Please collect MCM and ACLMgr Tech Support for all VDCs

**Explanation** The MCM message is inconsistent.

**Recommended Action** If the error persists, collect the output from the **show tech-support aclqos** command and provide the Cisco Technical Assistance Center (TAC) representative with the information you have gathered.

**Message** ACLQOS-SLOT#-3-ACLQOS\_PAUSE\_INVALID: Invalid Pause parameters: [chars]

**Explanation** The pause parameters are invalid.

**Recommended Action** If the error persists, collect the output from the **show tech-support aclqos** command and provide the Cisco Technical Assistance Center (TAC) representative with the information you have gathered.

**Message** ACLQOS-SLOT#-3-ACLQOS\_QUEUING\_ERROR: ACL/QoS queuing error: [chars]

**Explanation** An internal error has occurred in the ACL QoS queuing configuration.

**Recommended Action** If the error persists, collect the output from the **show tech-support aclqos** command and provide the Cisco Technical Assistance Center (TAC) representative with the information you have gathered.

## ACLQOS-SLOT#-4

**Message** ACLQOS-SLOT#-4-ACLQOS\_ATOMIC\_ERR: [chars]

**Explanation** TCAM will be overused,

**Recommended Action** Turn off the atomic update. The atomic update is currently enabled. It uses only 50% of TCAM size. For better utilization, either maintain the ACE which should not exceed this limit or can disable the atomic update mode.

**Message** ACLQOS-SLOT#-4-ACLQOS\_BC\_OVER\_THRESHOLD: Bank Chaining enabled: Inst [dec]s usage has reached its threshold'

**Explanation** TCAM is almost full

**Recommended Action** Warning message for TCAM is utilized for already configured features. Cannot add more result type.

**Message** ACLQOS-SLOT#-4-ACLQOS\_FC\_WARNING: Found stale FCoE entry in instance [dec]. VSAN: [dec], SID: [hex], DID: [hex], SI:[dec], SI\_MASK:[dec], RW\_VSAN: [dec], RW\_VSAN\_FLAG: [dec], RW\_SID: [hex], RW\_SID\_FLAG: [dec], RW\_DID: [hex]. RW\_DID\_FLAG: [dec] Cleaning it up.

**Explanation** Found stale FCoE entry in instance [dec]. VSAN: [dec], SID: 0x[hex], DID: 0x[hex], SI:[dec], SI\_MASK:[dec], RW\_VSAN:[dec], RW\_VSAN\_FLAG: [dec], RW\_SID: 0x[hex], RW\_SID\_FLAG:[dec], RW\_DID: 0x[hex]. RW\_DID\_FLAG: [dec] Cleaning it up.

**Recommended Action** No DDTS.

**Message** ACLQOS-SLOT#-4-ACLQOS\_MATCH\_ALL\_MERGE\_UPDATE: Warning (match\_all merging): [chars]

**Explanation** Warning (match\_all merging)

**Recommended Action** No DDTS.

**Message** ACLQOS-SLOT#-4-ACLQOS\_OVER\_THRESHOLD: Inst [dec] Tcam [dec] Bank [dec]s usage has reached its threshold'

**Explanation** Tcam is almost full

**Recommended Action** No DDTS.

**Message** ACLQOS-SLOT#-4-ACLQOS\_QUEUING\_COS2Q\_INVALID: ACL/QoS invalid queuing policy because of cos map change: [chars] queue [chars], interface [chars]

**Explanation** Attempted to configure an invalid queuing policy

**Recommended Action** No DDTS.

**Message** ACLQOS-SLOT#-4-ACLQOS\_QUEUING\_INVALID: ACL/QoS invalid queuing policy: [chars]

**Explanation** Attempted to configure an invalid queuing policy

**Recommended Action** No DDTS.

**Message** ACLQOS-SLOT#-4-ACLQOS\_UNDER\_THRESHOLD: Tcam [dec] Bank [dec]'s usage is below the threshold now

**Explanation** Tcam's usage is below the threshold

**Recommended Action** No DDTS.

**Message** ACLQOS-SLOT#-4-ACLQOS\_WARNING: ACLQOS Warning: [chars]

**Explanation** ACLQOS Warnings

**Recommended Action** No DDTS.

## ACLQOS-SLOT#-5

**Message** ACLQOS-SLOT#-5-ACLQOS\_DISRUPTIVE\_IPV6\_UPDATE: Disruptive update of IPv6 compression entries

**Explanation** Disruptive IPv6 compression entries update

**Recommended Action** No DDTS.

**Message** ACLQOS-SLOT#-5-ACLQOS\_NON\_ATOMIC: Non atomic ACL/QoS policy update done for [chars]

**Explanation** Non atomic ACL/QoS policy update was done

**Recommended Action** No DDTS.

## ACLTCAM Messages

This section contains the ACLTCAM messages.

### ACLTCAM

**Message** %ACLTCAM-SLOT#-4-REGION\_RISING\_THRESHOLD: ACL (region) (input | output) region usage (num of in use entries of total entries) exceeded 80% on forwarding engine (num)

**Explanation** TCAM usage crossed 80% in the module, direction, region, and forwarding engine listed. This system message does not indicate that TCAM was exhausted or any TCAM programming failed.

**Recommended Action** Use the **show system internal acl tcam-usage** command to display the ACLTCAM usage. Ensure that zoning and port-channel member interface allocations are adhering to the best practices outlined in the “Zoning Best Practice” section under the “Configuring and Managing Zones” chapter of the *Cisco MDS 9000 Series NX-OS Fabric Configuration Guide*.

**Message** %ACLTCAM-SLOT#-4-REGION\_FALLING\_THRESHOLD: ACL (region) (input | output) region usage (num of in use entries of total entries) fell below 80% on forwarding engine (num)

**Explanation** TCAM usage fell below the 80% threshold in the module, region, direction, and forwarding engine indicated.

**Recommended Action** Use the **show system internal acl tcam-usage** command to display the ACLTCAM usage. Ensure that zoning and port-channel member interface allocations are adhering to the best practices outlined in the “Zoning Best Practice” section under the “Configuring and Managing Zones” chapter of the *Cisco MDS 9000 Series NX-OS Fabric Configuration Guide*.

**Message** %ACLTCAM-SLOT#-4-TOTAL\_RISING\_THRESHOLD: ACL total (input | output) usage (num of in use of total entries) exceeded 60% on forwarding engine (num)

**Explanation** Overall TCAM usage indicated in the forwarding engine crossed 60% in the module, direction, and forwarding engine indicated. This system message does not indicate that TCAM was exhausted or any TCAM programming failed.

**Recommended Action** Use the **show system internal acl tcam-usage** command to display the ACLTCAM usage. Ensure that zoning and port-channel member interface allocations are adhering to the best practices outlined in the “Zoning Best Practice” section under the “Configuring and Managing Zones” chapter of the *Cisco MDS 9000 Series NX-OS Fabric Configuration Guide*.

**Message** %ACLTCAM-SLOT#-4-TOTAL\_FALLING\_THRESHOLD: ACL total (input | output) usage (num of in use of total entries) fell below 60% on forwarding engine (num)

**Explanation** Overall TCAM usage indicated in the forwarding engine fell below 60% in the module, direction, and forwarding engine indicated.

**Recommended Action** Use the **show system internal acl tcam-usage** command to display the ACLTCAM usage. Ensure that zoning and port-channel member interface allocations are adhering to the best practices outlined in the “Zoning Best Practice” section under the “Configuring and Managing Zones” chapter of the *Cisco MDS 9000 Series NX-OS Fabric Configuration Guide*.

## ACLTCAM-2

**Message** ACLTCAM-2-ACL\_TCAM\_ADJ\_EXHAUSTED: ACLTCAM failed to program route for VSAN: [dec], SID: [chars] DID: [chars], error: [chars].

**Explanation** ACLTCAM process experienced a failure while programming route for VSAN [dec] SID [chars] DID [chars] due to resource exhaustion. [chars] is the error code.

**Recommended Action** If the error persists, collect the output from the show tech-support acltcam command and provide the Cisco Technical Assistance Center (TAC) representative with the information you gathered.



**Message** ACLTCAM-2-ACL\_TCAM\_ALMOST\_FULL: TCAM close to FULL. [chars] TCAM Usage ([dec]/[dec]) exceeded [dec]% fwd-eng: [dec], [chars]

**Explanation** [chars] TCAM usage [dec]/[dec] exceeded [dec] percent on fwd-engine [dec], [chars]

**Recommended Action** No action is required. This is a warning message that indicates the TCAM has reached some threshold value.

**Message** ACLTCAM-2-ACL\_TCAM\_CONFIG\_READ\_FROM\_DRIVER\_FAILED: [chars] [dec], Error: [hex].

**Explanation** Unable to read configuration from forwarding engine ASIC driver. [chars] [dec], Error: 0x[hex].

**Recommended Action** This could be a hardware issue with forwarding instance. If the error persists, collect the output from the show tech-support acltcam command and provide the Cisco Technical Assistance Center (TAC) representative with the information you gathered.

**Message** ACLTCAM-2-ACL\_TCAM\_CONFIG\_WRITE\_TO\_DRIVER\_FAILED: [chars] [dec], Error: [hex].

**Explanation** Unable to write configuration to forwarding engine ASIC driver. [chars] [dec], Error: 0x[hex].

**Recommended Action** This could be a hardware issue with forwarding instance. If the error persists, collect the output from the show tech-support acltcam command and provide the Cisco Technical Assistance Center (TAC) representative with the information you gathered.

**Message** ACLTCAM-2-ACL\_TCAM\_FLOW\_STATS\_READ\_FAILED: Hardware flow stats read failed(ASIC: [dec], [chars] TCAM, Address: [dec], Num Entries: [dec], Error: [chars]).

**Explanation** Hardware flow stats read failed(ASIC: [dec], [chars] TCAM, Address: [dec], Num Entries: [dec] Error: [chars]).

**Recommended Action** No action is required. This message indicates that a show command failed for getting flow statistics.

**Message** ACLTCAM-2-ACL\_TCAM\_INIT\_FAILED: Initialization failed for forwarding engine ASIC: [dec], [chars] TCAM.

**Explanation** Initialization failed for forwarding engine ASIC [dec], in [chars] TCAM.

**Recommended Action** Restart the process. If the error persists, collect the output from the show tech-support acltcam command and provide the Cisco Technical Assistance Center (TAC) representative with the information you gathered.

**Message** ACLTCAM-2-ACL\_TCAM\_INIT\_REGIONS\_FAILED: Initialization failed for forwarding engine ASIC: [dec], [chars] TCAM, [chars] Region.

**Explanation** Initialization of regions failed for forwarding engine ASIC [dec], in [chars] TCAM, for [chars] Region.

**Recommended Action** Restart the process. If the error persists, collect the output from the show tech-support acltcam command and provide the Cisco Technical Assistance Center (TAC) representative with the information you gathered.

**Message** ACLTCAM-2-ACL\_TCAM\_MALLOC\_FAILURE: Memory allocation failed for size [dec].

**Explanation** Memory allocation is failed for size [dec] bytes.

**Recommended Action** Restart the process. If the error persists, collect the output from the show tech-support acltcam command and provide the Cisco Technical Assistance Center (TAC) representative with the information you gathered.

**Message** ACLTCAM-2-ACL\_TCAM\_MTS\_FAILURE: MTS operation failed: [chars].

**Explanation** MTS operation failed. [chars] is the reason.

**Recommended Action** No action is required. This error is reported to an app and the app takes the required action.

**Message** ACLTCAM-2-ACL\_TCAM\_MTS\_Q\_FULL: MTS queue for SAP [dec] is full

**Explanation** MTS queue for SAP [dec] is full

**Recommended Action** No action is required. This error is reported to an app and the app takes the required action.

**Message** ACLTCAM-2-ACL\_TCAM\_MTS\_REGISTRATION\_FAILED: MTS registration failed for opCode: [dec].

**Explanation** MTS registration failed for opCode: [dec].

**Recommended Action** No action is required. The process aborts when it hits this error.

**Message** ACLTCAM-2-ACL\_TCAM\_NO\_ROUTE: ACLTCAM failed to get route for VSAN: [dec], Rewrite: [chars] DID: [chars] DID MASK: [chars], error: [hex].

**Explanation** ACLTCAM process experienced a failure while getting route for VSAN [dec] Rewrite [chars] DID [chars] DID Mask [chars]. [hex] is the error code.

**Recommended Action** No action is required.

**Message** ACLTCAM-2-ACL\_TCAM\_NO\_TCAM\_LEFT: ACLTCAM resource exhausted for interface: [chars]

**Explanation** ACLTCAM hardware resource is completely used.

**Recommended Action** No action is required. This error is reported to an app and the app takes the required action.

**Message** ACLTCAM-2-ACL\_TCAM\_PHY\_TCAM\_READ\_FAILED: [chars] read from hardware TCAM failed(ASIC: [dec], [chars] TCAM, Address: [dec], Num Entries: [dec], Error: [chars]).

**Explanation** [chars] read from hardware TCAM failed(ASIC: [dec], [chars] TCAM, Address: [dec], Num Entries: [dec] Error: [chars]).

**Recommended Action** No action is required. The process aborts when it hits this error.

**Message** ACLTCAM-2-ACL\_TCAM\_PHY\_TCAM\_READ\_INVALID: Invalid ([chars], value: [dec]) TCAM entry read from hardware TCAM (FWD-Engine: [dec], [chars] TCAM, Address: [dec]), Ignoring this entry.

**Explanation** Invalid ([chars], value: [dec]) TCAM entry from hardware TCAM(FWD-Engine: [dec], [chars] TCAM, Address: [dec]) Ignoring this entry

**Recommended Action** No action is required.

**Message** ACLTCAM-2-ACL\_TCAM\_PHY\_TCAM\_WRITE\_FAILED: [chars] write to hardware TCAM failed(ASIC: [dec], [chars] TCAM, Address: [dec], Num Entries: [dec], Error: [chars]).

**Explanation** [chars] write to hardware TCAM failed(ASIC: [dec], [chars] TCAM, Address: [dec], Num Entries: [dec] Error: [chars]).

**Recommended Action** No action is required. This error is reported to an app and the app takes the required action.

**Message** ACLTCAM-2-ACL\_TCAM\_PSS\_FAILURE: Failed to do PSS operation: [chars], reason: [hex].

**Explanation** Failed to do PSS operation [chars]. [hex] is the reason.

**Recommended Action** Restart the process. If the error persists, collect the output from the show tech-support acltcam command and provide the Cisco Technical Assistance Center (TAC) representative with the information you gathered.

**Message** ACLTCAM-2-PSS\_OPEN\_FAILED: PSS open failed - [hex].

**Explanation** Persistent database handle could not obtained for ACLTCAM. [hex] is the error.

**Recommended Action** No action is required.

**Message** ACLTCAM-2-RECONS\_FAILED: Reconstruction of TCAM contents failed during upgrade - [hex].

**Explanation** During non-disruptive upgrade, the ACLTCAM contents are not properly reconstructed. [hex] is the error.

**Recommended Action** No action is required. The process aborts when it hits this error.

## ACLTCAM-3

**Message** ACLTCAM-3-ACL\_TCAM\_INV\_TCAM\_SYNC\_ATTEMPT: Attempt to write invalid shadow entry: [dec] ([dec]/[dec]) to TCAM, fwd-engine: [dec] ([chars]), change-array: [dec]/[dec], <MSG\_EXPL

**Explanation** TL Port Manager initialization failed. [chars] explains the reason for the failure.

**Recommended Action** No action is required.

**Message** ACLTCAM-3-ACL\_TCAM\_MTS\_Q\_LEAK: Possible MTS buffer leak for SAP [dec]

**Explanation** Possible MTS buffer leak for SAP [dec]

**Recommended Action** Collect the output from the show tech-support actcam command and provide the Cisco Technical Assistance Center (TAC) representative with the information you gathered.

**Message** ACLTCAM-3-ALLOCFAIL: Heap Memory allocation failed: [chars]

**Explanation** TL Port Manager is out of dynamic memory. [chars] specifies the context where the failure occurred.

**Recommended Action** No action is required.

**Message** ACLTCAM-3-FC2ERROR: [chars]

**Explanation** TL Port Manager encountered an FC2 error. [chars] specifies the context where the error occurred.

**Recommended Action** No action is required.

**Message** ACLTCAM-3-GENERROR: [chars]

**Explanation** TL Port Manager encountered a general error, one that does not fall in any of the above categories. [chars] describes the error and its context.

**Recommended Action** No action is required.

**Message** ACLTCAM-3-MTSERROR: [chars]

**Explanation** TL Port Manager encountered an MTS error. [chars] specifies the context where the error occurred.

**Recommended Action** No action is required.

**Message** ACLTCAM-3-PSSERROR: [chars]

**Explanation** TL Port Manager encountered a PSS error. [chars] specifies the context where the failure occurred.

**Recommended Action** No action is required.

**Message** ACLTCAM-3-REGISTER\_FAILED: Could not register to MTS opcode [chars] - error [hex].

**Explanation** ACLTCAM process could not register to the notifications mentioned by [chars]. [hex] is the error.

**Recommended Action** No action is required. The process aborts when it hits this error.

## ACLTCAM-4

**Message** ACLTCAM-4-ACL\_TCAM\_BELOW\_THRESHOLD: [chars] TCAM usage ([dec]/[dec]) fell below [dec]% fwd-eng: [dec], [chars]

**Explanation** [chars] TCAM usage [dec]/[dec] fell below [dec] percent on fwd-engine [dec], [chars]

**Recommended Action** No action is required. This is a warning message that indicates the TCAM has crossed the first threshold value.

**Message** ACLTCAM-4-ACL\_TCAM\_BEYOND\_THRESHOLD: [chars] TCAM usage ([dec]/[dec]) exceeded [dec]% fwd-eng: [dec], [chars]

**Explanation** [chars] TCAM usage [dec]/[dec] exceeded [dec] percent on fwd-engine [dec], [chars]

**Recommended Action** No action is required. This error is reported to an app and the app takes the required action.

**Message** ACLTCAM-4-ACL\_TCAM\_FLOW\_COUNTER\_INVALIDATED: Flow counter for flow: vsan: [dec], sid: [hex], did: [hex] with statistics: frames = %llu & bytes = %llu was invalidated due to: [chars]

**Explanation** ACLTCAM process invalidated the flow counter for flow VSAN [dec] SID [hex] DID [hex] with collected stats of [dec] frames and [dev] bytes was invalidated because of reason [[chars]].

**Recommended Action** No action is required. This message notifies that the counter is now active.

**Message** ACLTCAM-4-ACL\_TCAM\_FLOW\_COUNTER\_VALIDATED: Flow counter for flow: vsan: [dec], sid: [hex], did: [hex] is now valid

**Explanation** ACLTCAM process validated the flow counter for flow VSAN [dec] SID [hex] DID [hex].

**Recommended Action** No action is required.

**Message** ACLTCAM-4-ACL\_TCAM\_MTS\_Q\_HIGH: MTS queue for SAP [dec] is close to full

**Explanation** MTS queue for SAP [dec] is close to full

**Recommended Action** No action is required.

**Message** ACLTCAM-4-TLPM\_ALPA\_CACHE\_FULL: Translation Port ALPA cache is full. Some new entries may not be cached

**Explanation** TL Port cache is currently fully populated with active entries. Hence, there is no available cache space to be assigned any newly created ALPA entry on a TL Port. This is an informational message.

**Recommended Action** No action is required.

## ACLTCAM-6

**Message** ACLTCAM-6-ACL\_TCAM\_STATUS: Status: [chars].

**Explanation** ACLTCAM status is reported as: [chars].

**Recommended Action** No action is required. This error is reported to an app and the app takes the required action.

**Message** ACLTCAM-6-MGRCREATED: Translation Port Manager created.

**Explanation** TL Port Manager was created successfully and is up and running. This is an informational message.

**Recommended Action** No action is required.

**Message** ACLTCAM-6-MGREXIT: Translation Port Manager shutting down gracefully.

**Explanation** TL Port Manager is shutting down gracefully. This is an informational message.

**Recommended Action** No action is required.

**Message** ACLTCAM-6-PORTDOWN: Translation Port [chars] DOWN.

**Explanation** A port configured as TL Port is DOWN and out of operation. [chars] is the interface-id string that identifies the TL Port. This is an informational message.

**Recommended Action** No action is required.

**Message** ACLTCAM-6-PORTUP: Translation Port [chars] UP.

**Explanation** A port configured as TL Port is UP and operational. [chars] is the interface-id string that identifies the TL Port. This is an informational message.

**Recommended Action** No action is required.

## ACL Messages

This section contains the ACL messages.

### ACL-2

**Message** ACL-2-ACL\_HA\_FAILURE: Failed to do high availability operation: [chars].

**Explanation** Failed to do high availability operation. [chars] is the reason.

**Recommended Action** No action is required.

**Message** ACL-2-ACL\_INIT\_FAILED: Initialization failed for ACL: [chars], reason: [hex].

**Explanation** Initialization failed for ACL due to [chars], reason: [hex].

**Recommended Action** No action is required.

**Message** ACL-2-ACL\_LINECARD\_STATUS: Status from linecard: [dec], for module: [chars] (ID: [dec]), status: [dec], error\_id: [hex], catastrophic: [chars], restart count: [dec].

**Explanation** Status from linecard: [dec], for module: [chars] (ID: [dec]), status: [dec], error\_id: [hex], catastrophic: [chars], restart count: [dec].

**Recommended Action** No action is required.

**Message** ACL-2-ACL\_MTS\_FAILURE: Failed to do MTS operation: [chars].

**Explanation** Failed to do MTS operation. [chars] is the reason.

**Recommended Action** No action is required.

**Message** ACL-2-ACL\_MTS\_Q\_FULL: MTS queue for SAP [dec] is full

**Explanation** MTS queue for SAP [dec] is full

**Recommended Action** No action is required.

**Message** ACL-2-ACL\_MTS\_REGISTRATION\_FAILED: MTS options setting to [hex] failed for opCode: [dec].

**Explanation** MTS options setting to [hex] failed for opCode: [dec].

**Recommended Action** No action is required.

**Message** ACL-2-ACL\_PENDING\_MSG\_ARR\_FULL: ACL Upgrade Pending Messages Array is Full with [dec] messages. Failing the MTS message with Opc: [dec], RR\_TOKEN: [hex]

**Explanation** ACL Upgrade Pending Messages Array is Full with [dec] messages. Failing the MTS message with Opc: [dec], RR\_TOKEN: [hex]

**Recommended Action** No action is required.

**Message** ACL-2-ACL\_PSS\_FAILURE: Failed to do PSS operation: [chars], reason: [hex].

**Explanation** Failed to do PSS operation [chars]. [hex] is the reason.

**Recommended Action** No action is required.

**Message** ACL-2-ACL\_PSS\_VER\_FAIL: PSS file [chars] has version [dec].[dec].[dec], expected version [dec].[dec].[dec].

**Explanation** There was a mismatch in the PSS version. [chars] indicates the PSS service, [dec].[dec].[dec] its current version number and [dec].[dec].[dec] the expected version.

**Recommended Action** No action is required.

**Message** ACL-2-ACL\_RUNTIME\_FAILURE: [chars] [dec], Error: [hex]

**Explanation** ACL runtime failure is reported as [chars] [dec], reason: [hex].

**Recommended Action** No action is required.

**Message** ACL-2-ACL\_TCAM\_FAILURE: Failed to do TCAM operation: [chars].

**Explanation** Failed to do TCAM operation. [chars] is the reason.

**Recommended Action** No action is required.



## ACL-3

**Message** ACL-3-ACL\_MTS\_Q\_LEAK: Possible MTS buffer leak for SAP [dec]

**Explanation** Possible MTS buffer leak for SAP [dec]

**Recommended Action** No action is required.

## ACL-4

**Message** ACL-4-ACL\_MTS\_Q\_HIGH: MTS queue for SAP [dec] is close to full

**Explanation** MTS queue for SAP [dec] is close to full

**Recommended Action** No action is required.

**Message** ACL-4-ACL\_WARNING: [chars] [dec]

**Explanation** ACL warning messages is reported as [chars] [dec].

**Recommended Action** No action is required.

## ACL-5

**Message** ACL-5-ACL\_ADJ\_SHARING\_STATUS: Successfully completed [chars] on Generation 2 linecards.

**Explanation** Successfully completed the command \[chars] on Generation 2 linecards.

**Recommended Action** No action is required.

## ACL-6

**Message** ACL-6-ACL\_DIAG\_EVENT\_STATUS: [chars] [hex].

**Explanation** ACL system health management event status is reported as [chars] [hex].

**Recommended Action** No action is required.

**Message** ACL-6-ACL\_E\_PORT\_EVENT\_STATUS: [chars] [chars].

**Explanation** ACL xEport event status is reported as [chars] [chars].

**Recommended Action** No action is required.

**Message** ACL-6-ACL\_FCC\_EVENT\_STATUS: [chars] [chars].

**Explanation** ACL FCC event status is reported as [chars] [chars].

**Recommended Action** No action is required.

**Message** ACL-6-ACL\_LINECARD\_EVENT\_STATUS: [chars] [hex].

**Explanation** ACL linecard event status is reported as [chars] [dec].

**Recommended Action** No action is required.

**Message** ACL-6-ACL\_MCAST\_EVENT\_STATUS: [chars] [chars].

**Explanation** ACL multicast event status is reported as [chars] [chars].

**Recommended Action** No action is required.

**Message** ACL-6-ACL\_NX\_PORT\_EVENT\_STATUS: [chars] [chars].

**Explanation** ACL Nx Port event status is reported as [chars] [chars].

**Recommended Action** No action is required.

**Message** ACL-6-ACL\_PORT\_MODE\_EVENT\_STATUS: [chars] [chars].

**Explanation** ACL portmode event status is reported as [chars] [chars].

**Recommended Action** No action is required.

**Message** ACL-6-ACL\_RUNTIME\_STATUS: [chars] [dec]

**Explanation** ACL runtime status is reported as [chars] [dec].

**Recommended Action** No action is required.

**Message** ACL-6-ACL\_SPAN\_DEST\_CONFIG\_STATUS: [chars] [chars].

**Explanation** ACL SPAN destination config event status is reported as [chars] [chars].

**Recommended Action** No action is required.

**Message** ACL-6-ACL\_SPAN\_SRC\_CONFIG\_STATUS: [chars] [chars].

**Explanation** ACL SPAN source config event status is reported as [chars] [chars].

**Recommended Action** No action is required.

**Message** ACL-6-ACL\_STATUS: ACL Status: [chars].

**Explanation** ACL status is reported as [chars].

**Recommended Action** No action is required.

**Message** ACL-6-ACL\_UPDATE\_SSRAM\_QOS\_EVENT\_STATUS: [chars] [chars].

**Explanation** ACL update SSRAM for QoS event status is reported as [chars] [chars].

**Recommended Action** No action is required.

## AGNI-DPP Messages

This section contains the AGNI-DPP messages.

### AGNI-DPP-2

**Message** AGNI-DPP-2-AGNI\_DPP\_PRINT\_2HEX: [chars] [hex] [hex]

**Explanation** Print a string and 1 value

**Recommended Action** No action is required.

**Message** AGNI-DPP-2-AGNI\_DPP\_PRINT\_HEX: [chars] [hex]

**Explanation** Print a string and 1 value

**Recommended Action** No action is required.

**Message** AGNI-DPP-2-AGNI\_DPP\_PRINT\_INT: [chars] [dec]

**Explanation** Print a string and 1 value

**Recommended Action** No action is required.

**Message** AGNI-DPP-2-AGNI\_DPP\_PRINT\_STR: [chars] [chars]

**Explanation** Print a string and 1 value

**Recommended Action** No action is required.

**Message** AGNI-DPP-2-AGNI\_DPP\_PRINT: [chars]

**Explanation** Print a string

**Recommended Action** No action is required.

## AGNI-DPP-6

**Message** AGNI-DPP-6-AGNI\_DPP\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## AGNIL2F Messages

This section contains the AGNIL2F messages.

### AGNIL2F-6

**Message** AGNIL2F-6-AGNIL2F\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## ALI\_LC Messages

This section contains the ALI\_LC messages.

### ALI\_LC-2

**Message** ALI\_LC-2-INIT\_FAIL: [chars]

**Explanation** Initialization failed

**Recommended Action** No action is required.

**Message** ALI\_LC-2-INTERNAL\_PORT\_FAILURE: Internal port [dec] reinit failed due to [chars]

**Explanation** An Internal port number [dec] on the board has failed due to reason [chars]. The corresponding ethernet port may become unusable

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** ALI\_LC-2-INTERNAL\_PORT\_REINIT: Internal port [dec] has been reinitialized due to [chars]

**Explanation** An Internal port number [dec] on the board was reinitialized due to reason [chars]. The corresponding ethernet port may experience some packet drops

**Recommended Action** No action is required.

**Message** ALI\_LC-2-MTS\_FAILURE: [chars]

**Explanation** MTS send/receive failed

**Recommended Action** No action is required.

## Analytics Messages

This section contains the SAN Analytics and SAN Telemetry Streaming messages.

### ANALYTICS-3-FTMGR\_MOD\_EXCESS\_ITLS

**Message** %ANALYTICS-3-FTMGR\_MOD\_EXCESS\_ITLS: Total monitored ITL count in module [dec] exceeds module limit ([num-ITLs] active ITLs). Analytics data may be incomplete.

**Explanation** There is a limit on the maximum number of ITLs that the SAN Analytics feature supports per module and per switch. For more information, see the [Cisco MDS NX-OS Configuration Limits, Release 8.x](#).

**Recommended Action** Please reduce the number of ports on which Analytics is enabled in the module indicated. Run the **show running-config analytics** command, to get Analytics enabled interface ports. Run the **show analytics system-load** command, to verify the system load count in each module.



#### Caution

If the ITL count exceeds the maximum limit, a syslog will be generated and the normal functioning of the switch may be impacted. We recommend that you configure the **logging level analytics 4** command immediately after configuring the SAN Analytics feature for this syslog to be logged on the switch.

## ANALYTICS-3-FTMGR\_SYS\_EXCESS\_ITLS

**Message** %ANALYTICS-3-FTMGR\_SYS\_EXCESS\_ITLS: Total monitored ITL count in the system exceeds system limit (<num-ITLS> active ITLS). Analytics data may be incomplete.

**Explanation** There is a limit on the maximum number of ITLS that the SAN Analytics feature supports per module and per switch. For more information, see the [Cisco MDS NX-OS Configuration Limits, Release 8.x](#).

**Recommended Action** Please reduce the number of ports on which Analytics is enabled in the switch. Run the **show running-config analytics** command, to get Analytics enabled interface ports. Run the **show analytics system-load** command, to verify the ITLS count in the switch.



### Caution

If the ITL count exceeds the maximum limit, a syslog will be generated and the normal functioning of the switch may be impacted. We recommend that you configure the **logging level analytics 4** command immediately after configuring the SAN Analytics feature for this syslog to be logged on the switch.

## ANALYTICS-4-FTMGR\_MOD\_HIGH\_NPU\_LOAD

**Message** %ANALYTICS-4-FTMGR\_MOD\_HIGH\_NPU\_LOAD: Switch is experiencing high NPU load.

**Explanation** Switch is experiencing high NPU load per module and across the switch.

**Recommended Action** Please reduce the number of ports on which Analytics is enabled in the module indicated or enable Port Sampling. Run the **show running-config analytics** command, to get Analytics enabled interface ports. Run the **show analytics system-load** command, to verify the ITLS count in each module. For more information on Port Sampling, see the “Port Sampling” section in the [Cisco MDS 9000 Series SAN Analytics and SAN Telemetry Streaming Configuration Guide](#).



### Caution

If the NPU load is high, NPU may not inspect all the IOs and the metrics reported can be inaccurate. We recommend that you configure the **logging level analytics 4** command immediately after configuring the SAN Analytics feature for this syslog to be logged on the switch.

## ANALYTICS\_LC\_MGR-SLOT1-4-ANALYTICS\_LC\_MGR\_4K\_ITL\_LIMIT\_HIT

**Message** %ANALYTICS\_LC\_MGR-SLOT1-4-ANALYTICS\_LC\_MGR\_4K\_ITL\_LIMIT\_HIT: Analytics data may be incomplete on few ports: Affected ports are [chars], [chars], [chars], [chars].

**Explanation** Analytics data may be incomplete on few ports: Affected ports are [chars],[chars],[chars],[chars].

**Recommended Action** Refer to the Cisco documentation about 4000 ITL limit for additional details. For more information, see the [Cisco MDS 9000 Series SAN Analytics and SAN Telemetry Streaming Configuration Guide](#).

## ANALYTICS-5-FTMGR\_QUERY\_CLEAR\_OPTION\_CONFLICT

**Message** %ANALYTICS-5-FTMGR\_QUERY\_CLEAR\_OPTION\_CONFLICT: In a pull query result the min/max/peak metrics may not be accurate, as the push query already installed on a [view-instance] view with clear option.

**Explanation** Clear option in a push query affects the results of some metrics for other queries of the same view.

**Recommended Action** Please do not execute a pull query for view on which a push query is already installed with clear option.

## ANALYTICS\_CLIENT-SLOT#-2-NPU\_HUNG\_TIMER\_EXPIRED

**Message** %ANALYTICS\_CLIENT-SLOT#-2-NPU\_HUNG\_TIMER\_EXPIRED: No response from NPU for Analytics data. Analytics data may be incomplete for this module.

**Explanation** The NPU on the named module did not respond to a request within the expected time frame.

**Recommended Action** The status of the NPU on this module should be checked. The module may need to be reloaded to restart the NPU. Please collect the output of the **show tech-support analytics** command and contact your reseller or Cisco TAC for support.

## AMM Messages

This section contains the AMM messages.

### AMM-SLOT#-0

**Message** AMM-SLOT#-0-CLI\_INIT\_FAILED: CLI library initialization failed!

**Explanation** AMM failed to initialize CLI infrastructure\backendlibrary.This is a fatal error.

**Recommended Action** No action is required.

**Message** AMM-SLOT#-0-TIMER\_INIT\_FAILED: Timer subsystem initialization failed!

**Explanation** AMM failed to initialize timer library. This is a fatal error.

**Recommended Action** No action is required.

## AMM-SLOT#-2

**Message** AMM-SLOT#-2-AMM\_MEM\_ALLOC: Memory allocation failed. [chars]

**Explanation** Memory allocation failed. This is a critical failure

**Recommended Action** No action is required.

**Message** AMM-SLOT#-2-AMM\_RECOVERY\_ERROR: Error in Recovery: [chars]

**Explanation** AMM failed to recover after a re-start. This is a fatal error.

**Recommended Action** No action is required.

## AMM-SLOT#-6

**Message** AMM-SLOT#-6-INITIALIZED: Internal state created [chars]

**Explanation** AMM has created its internal state stateless/stateful [chars].

**Recommended Action** No action is required.

## APP EMULATOR Messages

This section contains the APP EMULATOR messages.

### APP EMULATOR-SLOT#-5

**Message** APP EMULATOR-SLOT#-5-LOG\_ERR\_EMULATOR\_DPP\_DEAD: VSAN: [dec] VT pWWN:[chars] DPP died

**Explanation** The DPP associated with the Virtual Target has crashed

**Recommended Action** No action is required.

**Message** APP EMULATOR-SLOT#-5-LOG\_ERR\_EMULATOR\_VT\_ACT\_FAILED: VSAN: [dec] VT pWWN:[chars] VT Activate failed

**Explanation** The activate step for a Virtual Target has failed

**Recommended Action** No action is required.



**Message** APP EMULATOR-SLOT#-5-LOG\_ERR\_EMULATOR\_VT\_CREATE\_FAIL: VSAN: [dec] VT pWWN: [chars] VT and NPort creation FAILED!!!

**Explanation** The Virtual Target and nport creation failed

**Recommended Action** No action is required.

**Message** APP EMULATOR-SLOT#-5-LOG\_ERR\_EMULATOR\_VT\_DESTROYED: VSAN: [dec] Virtual Target: [chars] Deleted

**Explanation** The Virtual Target in the associated VSAN is being destroyed

**Recommended Action** No action is required.

**Message** APP EMULATOR-SLOT#-5-LOG\_ERR\_EMULATOR\_VT\_VSAN\_DOWN: VSAN: [dec] VT pWWN: [chars] VSAN down

**Explanation** The VSAN where the Virtual Target is configured is down

**Recommended Action** No action is required.

## ARBITER Messages

This section contains the ARBITER messages.

### ARBITER-2

**Message** ARBITER-2-CATASTROPHIC\_FAILURE: Arbiter Catastrophic interrupt: [chars]

**Explanation** Arbiter triggered Catastrophic error interrupt

**Recommended Action** Please contact your support representative

**Message** ARBITER-2-MBIST\_FAIL: Arbiter MBIST failed: [chars]

**Explanation** Arbiter failed built in self test

**Recommended Action** Please contact your support representative

## ASCII-CFG Messages

This section contains the ASCII-CFG messages.

## ASCII-CFG-2

**Message** ASCII-CFG-2-ACFG\_CONFIGURATION\_APPLY\_ERROR: Error encountered while Ascii configuration was being applied. Please use show startup-config log to view details

**Explanation** At least one command failed while ASCII configuration was being applied

**Recommended Action** No action is required.

**Message** ASCII-CFG-2-ACFG\_LIB\_INVOKE\_ERR: ASCII config library invocation error: [chars]

**Explanation** Error encountered while library function was being invoked to display ASCII configuration

**Recommended Action** No action is required.

**Message** ASCII-CFG-2-ACFG\_OPER\_FAIL: Operation failed because of [chars]

**Explanation** Operation failed

**Recommended Action** No action is required.

**Message** ASCII-CFG-2-ACFG\_ROLLBACK\_FAILED: Rollback to checkpoint [chars] Failed, Going to undo the changes (atomic option)

**Explanation** Rollback operation failed for atomic option

**Recommended Action** No action is required.

**Message** ASCII-CFG-2-ACFG\_ROLLBACK\_UNDO\_FAILED: Undo failed for atomic Rollback, Please correct the error manually and retry rollback

**Explanation** Undoing the rollback changes (for atomic behavior) Failed

**Recommended Action** No action is required.

**Message** ASCII-CFG-2-ACFG\_SYSLOG\_INIT\_FAILED: ASCII config Syslog Init Error

**Explanation** Error encountered while Initializing Syslog for ASCII Config

**Recommended Action** No action is required.

**Message** ASCII-CFG-2-PSS\_VER\_FAIL: PSS file [chars] has version [dec].[dec].[dec], expected version [dec].[dec].[dec]

**Explanation** There was a mismatch in the PSS version. [chars] indicates the PSS service, [dec].[dec].[dec] its current version number and [dec].[dec].[dec] the expected version

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## ASCII-CFG-3

**Message** ASCII-CFG-3-ACFG\_MTSERROR: [chars]

**Explanation** ASCII-cfg-server (rollback process) encountered an MTS error. [chars] specifies the context where the error occurred.

**Recommended Action** No action is required.

## ASCII-CFG-6

**Message** ASCII-CFG-6-ACFG\_CHECKPOINT\_CLEAR\_DATABASE: cleared all the configuration checkpoints

**Explanation** Cleared all the configuration checkpoints

**Recommended Action** No action is required.

**Message** ASCII-CFG-6-ACFG\_CHECKPOINT\_CREATED: Created configuration checkpoint [chars]

**Explanation** Created configuration checkpoint

**Recommended Action** No action is required.

**Message** ASCII-CFG-6-ACFG\_CHECKPOINT\_DELETED: Deleted configuration checkpoint [chars]

**Explanation** Deleted configuration checkpoint

**Recommended Action** No action is required.

**Message** ASCII-CFG-6-ACFG\_MAX\_CHECKPOINTS: Maximum no of checkpoints reached, Removing the oldest checkpoint

**Explanation** Maximum no.of checkpoints reached, removing the oldest checkpoint

**Recommended Action** No action is required.

**Message** ASCII-CFG-6-ACFG\_ROLLBACK\_ATOMIC: Performing configuration rollback to checkpoint [chars] (with atomic option)

**Explanation** Performing configuration rollback with atomic option

**Recommended Action** No action is required.

**Message** ASCII-CFG-6-ACFG\_ROLLBACK\_BEST: Performing configuration rollback to checkpoint [chars] (with best-effort option)

**Explanation** Performing configuration rollback with best-effort option

**Recommended Action** No action is required.

**Message** ASCII-CFG-6-ACFG\_ROLLBACK\_FIRST\_ERR: Performing configuration rollback to checkpoint [chars] (with stop-at-first failure option)

**Explanation** Performing configuration rollback with stop-at-first-failure option

**Recommended Action** No action is required.

**Message** ASCII-CFG-6-INFORMATION: [chars]

**Explanation** An event happened that affects Acfg-Rollback. [chars] indicates the event

**Recommended Action** No action is required.

**Message** ASCII-CFG-6-PSS\_ERR: [chars]

**Explanation** An error occurred during an Acfg PSS operation. [chars] indicates the PSS operation that caused the error

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## ASSOC MGR Messages

This section contains the ASSOC MGR messages.

### ASSOC MGR-0

**Message** ASSOC\_MGR-0-EMERGENCY\_MSG: [chars]

**Explanation** Association Manager Emergency Message

**Recommended Action** Please file the bug for Association Manager Component through CDETS

## ASSOC MGR-1

**Message** ASSOC\_MGR-1-ALERT\_MSG: [chars]

**Explanation** Association Manager Alert Message

**Recommended Action** Association Manager Internal Operation Alert

## ASSOC MGR-2

**Message** ASSOC\_MGR-2-CRITICAL\_MSG: [chars]

**Explanation** Association Manager Critical Message

**Recommended Action** No action is required.

## ASSOC MGR-3

**Message** ASSOC\_MGR-3-ERROR\_MSG: [chars]

**Explanation** Association Manager Message

**Recommended Action** No action is required.

## ASSOC MGR-4

**Message** ASSOC\_MGR-4-WARN\_MSG: [chars]

**Explanation** Association Manager Warning Message

**Recommended Action** No action is required.

## ASSOC MGR-5

**Message** ASSOC\_MGR-5-NOTIF\_MSG: [chars]

**Explanation** Association Manager Notification Message

**Recommended Action** No action is required.

## ASSOC MGR-6

**Message** ASSOC\_MGR-6-ASSOC\_ACTIVATED: Association Activated for vlan id: [dec] <--> vsan id: [dec]

**Explanation** Association Activated

**Recommended Action** No action is required.

**Message** ASSOC\_MGR-6-ASSOC\_CREATED: Association Created for vlan id: [dec] <--> vsan id: [dec]

**Explanation** Association Created

**Recommended Action** No action is required.

**Message** ASSOC\_MGR-6-ASSOC\_DEACTIVATED: Association Deactivated for vlan id: [dec] <--> vsan id: [dec]

**Explanation** Association Deactivated

**Recommended Action** No action is required.

**Message** ASSOC\_MGR-6-ASSOC\_DELETED: Association Deleted for vlan id: [dec] <--> vsan id: [dec]

**Explanation** Association Deleted

**Recommended Action** No action is required.

**Message** ASSOC\_MGR-6-ASSOC\_MGR\_STATEFULL\_RESTART: Association Manager Statefull Restart

**Explanation** Association Manager Stateful Restart

**Recommended Action** No action is required.

**Message** ASSOC\_MGR-6-ASSOC\_MGR\_STATELESS\_RESTART: Association Manager Stateless Restart

**Explanation** Association Manager Stateless Restart

**Recommended Action** No action is required.

**Message** ASSOC\_MGR-6-ASSOC\_OPER\_STATUS\_CHG: Association status for vlan id: [dec] <--> vsan id: [dec] changed from [chars] to [chars]

**Explanation** Association Operational State Change

**Recommended Action** No action is required.

**Message** ASSOC\_MGR-6-INFO\_MSG: [chars]

**Explanation** ASSOC Manager Informational Message

**Recommended Action** No action is required.

## ASSOC MGR-7

**Message** ASSOC\_MGR-7-DEBUG\_MSG: [chars]

**Explanation** Association Manager Debug Message

**Recommended Action** No action is required.

## ATLANTIS\_APP Messages

This section contains the ATLANTIS\_APP messages.

### ATLANTIS\_APP-SLOT#-2

**Message** ATLANTIS\_APP-SLOT#-2-ATLANTIS\_APP\_EXITED: Atlantis driver application exited (syserr = [dec], errno = [dec])

**Explanation** Atlantis driver application exited

**Recommended Action** No action is required.

## AUTHPRIV Messages

**Message** %AUTHPRIV-2-SYSTEM\_MSG: [chars]

**Explanation** This message provides additional information about errors related to authentication and SSH.

**Recommended Action** Perform additional debugging to resolve the issue.

## AZUMA Messages

This section contains the AZUMA messages.

### AZUMA-2

**Message** AZUMA-2-DPFPGA\_HW\_PROG\_FAIL: DPFPGA [dec] hardware initialization failed  
- [chars]

**Explanation** DPFPGA hardware initialization failure. If hardware configure fails, please do the parallel epld upgrade again.

### AZUMA-6

**Message** AZUMA-6-DPFPGA\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## BET Messages

This section contains the BET messages.

### BET-6

**Message** BET-6-BET\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## BFDC Messages

This section contains the BFDC messages.

### BFDC-SLOT#-2

**Message** BFDC-SLOT#-2-BFDC\_GENERAL\_FAILURE: General failure. [chars]

**Explanation** General failure. This is a critical failure

**Recommended Action** No DDTS.



**Message** BFDC-SLOT#-2-BFDC\_MALLOC\_FAILED: Memory allocation failed. [chars]

**Explanation** Memory allocation failed. This is a critical failure

**Recommended Action** No DDTS.

**Message** BFDC-SLOT#-2-BFDC\_MTS\_FAILURE: MTS failure. [chars]

**Explanation** MTS related failure. This is a critical failure

**Recommended Action** No DDTS.

## BFD Messages

This section contains the BFD messages.

### BFD-3

**Message** BFD-3-REACHED\_CAPACITY\_LIMIT: BFD session [chars] creation on interface [chars] failed due to capacity limit [dec]

**Explanation** BFD session [chars] creation on interface [chars] failed due to current capacity limit [dec]

**Recommended Action** Please remove current BFD sessions to make room for new ones

**Message** BFD-3-SESSION\_ACL\_INSTALL\_GAVE\_UP: BFD session [chars] installation failed due to ACL installation failure interface [chars]

**Explanation** BFD session [chars] installation failed due to ACL installation failure interface [chars]

**Recommended Action** Maximum ACL install retries exceeded. Please to free up ACL resources

**Message** BFD-3-SESSION\_ACL\_REMOVE\_GAVE\_UP: BFD session [chars] removal failed due to ACL removal failure interface [chars]

**Explanation** BFD session [chars] removal failed due to ACL removal failure interface [chars]

**Recommended Action** Maximum ACL removal retries exceeded. Please manually remove BFD sessions

**Message** BFD-3-SESSION\_CREATE\_FAIL: Failed to create BFD session to neighbor [chars] over interface [chars]. Reason [chars]

**Explanation** Failed to create BFD session to neighbor [chars] over interface [chars] Reason [chars]

**Recommended Action** SYSLOGDPC\_NO\_ACTION

## BFD-4

**Message** BFD-4-INVALID\_NBR: Attempt to BFD session failed for application [chars].

**Explanation** Attempt to BFD session failed for application [chars].

**Recommended Action** No action is required.

**Message** BFD-4-SESSION\_DELETE\_FAIL: Attempt to delete BFD session for neighbor [chars] failed: Reason [chars] ([hex]).

**Explanation** Attempt to delete BFD session for neighbor [chars] failed: Reason [chars] (0x[hex]).

**Recommended Action** No action is required.

## BFD-5

**Message** BFD-5-BFD\_DISABLED: BFD Disabled

**Explanation** BFD Service Disabled

**Recommended Action** No action is required.

**Message** BFD-5-BFD\_ENABLED: BFD Enabled

**Explanation** BFD Service enabled

**Recommended Action** No action is required.

**Message** BFD-5-SESSION\_ACTIVE\_PARAMS\_CHANGE: Local parameter of BFD session [hex] has changed [chars]

**Explanation** Local parameter of BFD session 0x[hex] has changed [chars]

**Recommended Action** No action is required.

**Message** BFD-5-SESSION\_CREATED: BFD session to neighbor [chars] on interface [chars] has been created

**Explanation** BFD session to neighbor [chars] on interface [chars]

**Recommended Action** No action is required.

**Message** BFD-5-SESSION\_LOCAL\_PARAMS\_CHANGE: Local parameter of BFD session [hex] has changed [chars]

**Explanation** Local parameter of BFD session 0x[hex] has changed [chars]

**Recommended Action** No action is required.

**Message** BFD-5-SESSION\_MOVED: BFD session [hex]: [chars]

**Explanation** BFD session 0x[hex]: [chars]

**Recommended Action** No action is required.

**Message** BFD-5-SESSION\_NO\_RESOURCES: No resource for session to neighbor [chars] on interface [chars]

**Explanation** The BFD session can not be created or modified due to lack of resources. [It has reached the maximum number of packets per second allowed on the linecard.] No resources for session to neighbor [chars]

**Recommended Action** Remove other BFD sessions [or reduce the Tx/Rx timers] to free resources for this session

**Message** BFD-5-SESSION\_REMOVED: BFD session to neighbor [chars] on interface [chars] has been removed

**Explanation** BFD session to neighbor [chars] on interface [chars]

**Recommended Action** No action is required.

**Message** BFD-5-SESSION\_STATE\_DOWN: BFD session [chars] to neighbor [chars] on interface [chars] has gone down. Reason: [hex].

**Explanation** BFD session [chars] to neighbor [chars] on interface [chars] has gone down. Reason: 0x[hex]. This may be as a result of the forwarding path being down.

**Recommended Action** No action is required.

**Message** BFD-5-SESSION\_STATE\_UP: BFD session [chars] to neighbor [chars] on interface [chars] is up.

**Explanation** BFD session [chars] to neighbor [chars] on interface [chars] is up.

**Recommended Action** No action is required.

## BFD-6

**Message** BFD-6-SESSION\_ACL\_INSTALL\_FAILED: BFD session [chars] failed due to missing ACL resources for interface [chars]

**Explanation** BFD session [chars] failed due to missing ACL resources for interface [chars]

**Recommended Action** No action is required.

**Message** BFD-6-SESSION\_ACL\_REMOVE\_FAILED: BFD session [chars] removal failed due to missing ACL resources for interface [chars]

**Explanation** BFD session [chars] removal failed due to missing ACL resources for interface [chars]

**Recommended Action** No action is required.

## BIOS DAEMON Messages

This section contains the BIOS DAEMON messages.

### BIOS DAEMON-2

**Message** BIOS\_DAEMON-2-BIOS\_DAEMON\_FLASH\_WARNING: Flash chip not supported by running image. Skipping BIOS upgrade.

**Explanation** BIOS CHIP NOT SUPPORTED

**Recommended Action** No action is required.

**Message** BIOS\_DAEMON-2-BIOS\_DAEMON\_PRI\_BOOT\_FAIL: System booted from Alternate BIOS Flash

**Explanation** Boot from Alternate

**Recommended Action** SYSLOGDOC\_NOACTION

**Message** BIOS\_DAEMON-2-BIOS\_DAEMON\_SUP\_ERROR: BIOS Sector ([dec]) is write protected

**Explanation** BIOS WRITE PROTECTED

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## BIOS DAEMON-5

**Message** BIOS\_DAEMON-5-BIOS\_DAEMON\_PRI\_BOOT: System booted from Primary BIOS Flash

**Explanation** Boot from Primary

**Recommended Action** SYSLOGDOC\_NOACTION

## BIOS DAEMON-SLOT#-2

**Message** BIOS\_DAEMON-SLOT#-2-BIOS\_DAEMON\_LC\_ERROR: BIOS Sector ([dec]) is write protected

**Explanation** BIOS WRITE PROTECTED

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** BIOS\_DAEMON-SLOT#-2-BIOS\_DAEMON\_LC\_PRI\_BOOT\_FAIL: System booted from Alternate BIOS Flash

**Explanation** Boot from Alternate

**Recommended Action** SYSLOGDOC\_NOACTION

## BIOS DAEMON-SLOT#-5

**Message** BIOS\_DAEMON-SLOT#-5-BIOS\_DAEMON\_LC\_PRI\_BOOT: System booted from Primary BIOS Flash

**Explanation** Boot from Primary

**Recommended Action** SYSLOGDOC\_NOACTION

## BLOGGERD Messages

This section contains the BLOGGERD messages.

### BLOGGERD-2

**Message** BLOGGERD-2-BLOGGERD\_SYSLOG\_TRANSFER\_ERROR\_DISABLED: [chars]

**Explanation** Blogger Log Transfer has been error disabled

**Recommended Action** Please collect BloggerD tech support using "show tech bloggerd-all"

## BLOGGERD-3

**Message** BLOGGERD-3-BLOGGERD\_INVALID\_VDC: At [chars] ([dec]) Invalid VDC [dec]

**Explanation** Invalid VDC ID

**Recommended Action** Please collect BloggerD tech support using "show tech bloggerd-all"

**Message** BLOGGERD-3-BLOGGERD\_LOG\_DUMP\_THROTTLED: VDC [dec] Comp: [chars] Buf\_uuid: [dec] Buf\_inst: [dec] sap: [chars]. Please collect show system internal sdwrap buffers sap [dec] detailed 'from module[dec]

**Explanation** Log Dump Throttled

**Recommended Action** Please collect BloggerD tech support using "show tech bloggerd-all"

**Message** BLOGGERD-3-BLOGGERD\_MOVE\_LOGS\_SCRIPT\_NOT\_FOUND: At [chars] ([dec]) Move Logs Script Not Found at [chars]

**Explanation** Move Log Script Not Found

**Recommended Action** Please collect BloggerD tech support using "show tech bloggerd-all"

**Message** BLOGGERD-3-BLOGGERD\_PATH\_NOT\_FOUND: At [chars] ([dec]) Path [chars] NOT found

**Explanation** Required Path Not Found

**Recommended Action** Please collect BloggerD tech support using "show tech bloggerd-all"

**Message** BLOGGERD-3-BLOGGERD\_SYSLOG\_CONFIG\_PULL\_FAILED: At [chars] ([dec]) Config Pull Failed. Returned [hex] ([chars])

**Explanation** Blogger Config Pull Failed

**Recommended Action** Please collect BloggerD tech support using "show tech bloggerd-all"

**Message** BLOGGERD-3-BLOGGERD\_SYSLOG\_MTS\_UNDROP: MTS is not dropped by Node [hex] SAP [dec]

**Explanation** MTS not dropped

**Recommended Action** Please collect BloggerD tech support using "show tech bloggerd-all"

**Message** `BLOGGERD-3-BLOGGERD_SYSLOG_PSS_FAILURE: At [chars] ([dec]) Internal PSS Error. Returned: [hex] ([chars])`

**Explanation** PSS Operation Failed

**Recommended Action** Please collect BloggerD tech support using “show tech bloggerd-all”

**Message** `BLOGGERD-3-BLOGGERD_SYSLOG_SDWRAP_INIT_FAILED: At [chars] ([dec]) sdwrap initialization failed. Returned: [hex] ([chars])`

**Explanation** SDWrap Debug Init failed

**Recommended Action** Please collect BloggerD tech support using “show tech bloggerd-all”

**Message** `BLOGGERD-3-BLOGGERD_SYSLOG_THREAD_CREATE_FAILED: At [chars] ([dec]) Thread Creation Failed [hex] errno: [dec]([chars])`

**Explanation** Thread Creation Failed

**Recommended Action** Please collect BloggerD tech support using “show tech bloggerd-all”

## BLOGGERD-4

**Message** `BLOGGERD-4-BLOGGERD_FLOW_CONTROL_ENABLED: Temporarily suspending BloggerD Log Transfer from Modules due to lack of space (available: %ld MB) on Active SUP`

**Explanation** Flow Control Enabled. Transfer from Modules temporarily suspended

**Recommended Action** Please collect BloggerD tech support using “show tech bloggerd-all”

**Message** `BLOGGERD-4-BLOGGERD_FLOW_CONTROL_RESET: Revoking temporary Log Transfer Suspension from Modules. Space available now: %ld MB`

**Explanation** Flow Control Reset. Transfer from Modules re-enabled

**Recommended Action** Please collect BloggerD tech support using “show tech bloggerd-all”

## BLOGGERD-6

**Message** `BLOGGERD-6-BLOGGERD_INFO: [chars]`

**Explanation** Info

**Recommended Action** Please collect BloggerD tech support using “show tech bloggerd-all”

## BOOTUP TEST Messages

This section contains the BOOTUP TEST messages.

### BOOTUP TEST-2

**Message** BOOTUP\_TEST-2-EOBC\_FAIL: Module [dec] has failed test [chars] on EOBC due to error [chars]

**Explanation** Online diagnostics EOBC test has failed

**Recommended Action** No action is required.

**Message** BOOTUP\_TEST-2-EOBC\_SKIP: Module [dec] has failed test [chars] on EOBC due to error [chars]

**Explanation** Online diagnostics Management Port test has failed

**Recommended Action** No action is required.

**Message** BOOTUP\_TEST-2-MGMT\_PORT\_FAIL: Module [dec] has failed test [chars] on Management Port due to error [chars]

**Explanation** Online diagnostics Management Port test has failed

**Recommended Action** No action is required.

**Message** BOOTUP\_TEST-2-MGMT\_PORT\_SKIP: Module [dec] has skipped test [chars] on Management Port due to error [chars]

**Explanation** Online diagnostics Management Port test is skipped

**Recommended Action** No action is required.

## BOOTVAR Messages

This section contains the BOOTVAR messages.



## BOOTVAR-2

**Message** BOOTVAR-2-ALLOC\_MEMORY: Memory allocation failed

**Explanation** The service failed to allocate memory.

**Recommended Action** Check if the system is low on memory, if so reset the switch.

**Message** BOOTVAR-2-AUTOCOPY\_FAILED: Autocopy of file [chars] to standby failed. [chars] (Error-id: [hex])

**Explanation** The image deemed to be copied to standby via the auto-copy feature failed.

**Recommended Action** Check error id for specified reason.

**Message** BOOTVAR-2-AUTOSYNC\_FAILED: Image autosync failed. Reason: [chars] ([hex])

**Explanation** Image synchronization failed.

**Recommended Action** Check that there is enough space on the flash, as well as system high availability status.

**Message** BOOTVAR-2-CONFIG\_ERROR: Failed to update boot configuration

**Explanation** An error has occurred during the update of the boot configuration files

**Recommended Action** Check that there is enough space on the flash, show boot to check the configured image names, show loader internal configuration to compare them with the current boot loader configuration, if they are not coherent do write erase and retry to save the configuration.

**Message** BOOTVAR-2-IMAGE\_NOT\_COMPATIBLE: Warning: image [chars] is not compatible with the current platform in SUP [dec]

**Explanation** The input image name is not compatible with the current platform.

**Recommended Action** Make sure a right image is specified before reboot.

## BOOTVAR-3

**Message** BOOTVAR-3-AUTOCOPY\_FAILED\_STANDBY\_FULL: Autocopy of file [chars] to standby failed due to not enough disk space on standby

**Explanation** There is not enough disk space on the standby for the file to be copied.

**Recommended Action** Clear space on the standby disk.

**Message** BOOTVAR-3-INIT\_FAILED: Initialization failed: Component [chars]

**Explanation** The service failed to start The failure occurs during initialization of the component [chars].

**Recommended Action** Show processes to check the status of the other processes, pay attention to the specified component.

**Message** BOOTVAR-3-LOAD\_VERIFY\_LIB\_FAILED: Fetching library [chars] failed, reason=[chars]

**Explanation** Failed to load bootvar specified verification library.

**Recommended Action** No action is required.

**Message** BOOTVAR-3-MODULE\_LOCK\_FAIL: Unable to get module lock, please don't reload <error-id:[hex]>

**Explanation** Unable to acquire modlock to prevent user to reload during auto-sync.

**Recommended Action** No action is required.

**Message** BOOTVAR-3-NEIGHBOR\_REJECT\_AUTOCOPY: auto-copy failed - not supported by neighbor supervisor.

**Explanation** Standby supervisor does not support auto-copy, thus failed.

**Recommended Action** No action is required.

**Message** BOOTVAR-3-VERIFY\_FAILED: Image [chars] for bootvar [chars] verification failed, reason=[chars]

**Explanation** The image set for this bootvar has failed the verification process, this is just a warning.

**Recommended Action** Check reason to determine actions.

## BOOTVAR-5

**Message** BOOTVAR-5-AUTOCOPY\_SUCCEED: auto-copy of file [chars] to standby supervisor succeed

**Explanation** Auto copy of the file succeed, image integrity verified by standby.

**Recommended Action** No action is required.

**Message** BOOTVAR-5-AUTOCOPY\_VERIFY\_SEND\_FAILED: Unable to ask standby to verify file [chars], error = [hex]

**Explanation** Upon copied the image to standby, failed to send message to ask standby to verify integrity.

**Recommended Action** Turn auto-copy off and back on.

**Message** BOOTVAR-5-AUTOSYNC\_DONE: Image autosync done

**Explanation** The image synchronization done successfully.

**Recommended Action** No action is required.

**Message** BOOTVAR-5-AUTOSYNC\_REBOOT: Rebooting standby after successful autosync

**Explanation** Image autosync has been successful, resetting the standby supervisor to load the new image.

**Recommended Action** Check that the standby sup reloads correctly.

**Message** BOOTVAR-5-AUTOSYNC\_START: Starting image autosync. Please wait until completion...

**Explanation** The standby-sup has requested the sync of the current image.

**Recommended Action** No action is required.

**Message** BOOTVAR-5-IMAGE\_NOTEXISTS: Warning: image [chars] doesn't exist on sup[dec]

**Explanation** The input image name doesn't exist on the specified supervisor.

**Recommended Action** Check whether the input image name you entered exists and make sure that you have the image on the flash before reboot.

**Message** BOOTVAR-5-NEIGHBOR\_UPDATE\_AUTOCOPY: auto-copy supported by neighbor supervisor, starting...

**Explanation** Info log reporting standby support of auto-copy. Auto-copy is being started.

**Recommended Action** No action is required.

## BOOTVAR-6

**Message** BOOTVAR-6-ALREADY\_IN\_SYNC: Image already in sync

**Explanation** No need to update the image on the standby-sup.

**Recommended Action** No action is required.

**Message** BOOTVAR-6-AUTOCOPY\_DID\_NOT\_START: Autocopy of file [chars] to standby did not start. [chars] (Error-id: [hex])

**Explanation** Autocopy of the file did not start as the remote copy location does not exist

**Recommended Action** No action is required.

**Message** BOOTVAR-6-CONFIG\_UPDATED: Boot configuration updated

**Explanation** The boot-loader configuration files have been successfully updated.

**Recommended Action** No action is required.

**Message** BOOTVAR-6-STARTING: Boot configuration initialized

**Explanation** The service has successfully started.

**Recommended Action** No action is required.

## CALLHOME Messages

This section contains the CALLHOME messages.

### CALLHOME-2

**Message** CALLHOME-2-EVENT: [chars]

**Explanation** Callhome event [chars] occurred.

**Recommended Action** If you have configured your email address to receive callhome notifications, please check your email for more details about this callhome event. If callhome was not enabled, please execute CLI commands relevant to the callhome event to get more information about the error

**Message** CALLHOME-2-PROGRAM\_EXIT: callhome process ending: [chars]

**Explanation** Callhome process is exiting with reason [chars].

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## CALLHOME-3

**Message** CALLHOME-3-CALLHOME\_CFS\_MERGE\_OPERATION\_FAILED: [chars]

**Explanation** [chars1]

**Recommended Action** Please check the reason for the failure of the cfs operation and rectify the problem

**Message** CALLHOME-3-CALLHOME\_CFS\_OPERATION\_FAILED: [chars]: [chars]

**Explanation** [chars1] [chars2]

**Recommended Action** Please check the reason for the failure of the cfs operation and rectify the problem

**Message** CALLHOME-3-CALLHOME\_MAX\_ALERT\_MSG: [chars]

**Explanation** [chars]

**Recommended Action** Please check the reason for the generation of the Callhome messages and rectify the problem

**Message** CALLHOME-3-EVENT\_PROCESS\_ERROR: error in processing callhome event [chars] reason:[chars]

**Explanation** Error in processing callhome event [chars] reason:[chars]

**Recommended Action** Please check your callhome configuration for proper configuration. Please check SMTP server address, email addresses for destination profiles and enable status of callhome. Use “show callhome” commands for displaying configuration.

**Message** CALLHOME-3-MESSAGE\_SIZE\_EXCEED: message size for callhome alert:[chars] exceeds maximum limit for destination profile:[chars]

**Explanation** Message size for callhome alert:[chars] exceeds maximum limit for destination profile:[chars]

**Recommended Action** Please check the maximum message size for the destination profile under question. Increase it if possible to match the maximum limit allowed by your email destinations.

## CALLHOME-6

**Message** CALLHOME-6-NONCRIT\_EVENT: [chars]

**Explanation** Non-critical Callhome event [chars] occurred.

**Recommended Action** If you have configured your email address to receive callhome notifications, please check your email for more details about this callhome event. If callhome was not enabled, please execute CLI commands relevant to the callhome event to get more information about the error

## CARDCLIENT Messages

This section contains the CARDCLIENT messages.

### CARDCLIENT-2

**Message** CARDCLIENT-2-CARDCL\_CRIT: [chars]

**Explanation** CardClient Critical Message

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** CARDCLIENT-2-ONL: [chars]

**Explanation** Online Message

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** CARDCLIENT-2-REG: [chars]

**Explanation** CardClient Console Message

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** CARDCLIENT-2-SSE: [chars]

**Explanation** CardClient Console Message

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## CARDCLIENT-3

**Message** CARDCLIENT-3-CARDCL\_ERR: [chars]

**Explanation** CardClient Error

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** CARDCLIENT-3-CARDCL\_INFO: [chars]

**Explanation** CardClient Flow Message

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## CARDCLIENT-SLOT#-2

**Message** CARDCLIENT-SLOT#-2-ERR: [chars]

**Explanation** CardClient Remote Syslog msg

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** CARDCLIENT-SLOT#-2-IMG\_ERR: [chars]

**Explanation** CardClient Remote Syslog msg

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## CDP Messages

This section contains the CDP messages.

### CDP-2

**Message** CDP-2-INITFAIL: CDP Daemon Initialization failed: [chars]

**Explanation** CDP Daemon Initialization failed. [chars] explains the reason for the failure.

**Recommended Action** No action is required.

## CDP-3

**Message** CDP-3-ALLOCFAIL: Heap Memory allocation failed: [chars]

**Explanation** CDP Daemon is out of dynamic memory. [chars] specifies the context where the failure occurred.

**Recommended Action** No action is required.

**Message** CDP-3-GENERROR: [chars]

**Explanation** CDP Daemon encountered a general error, one that does not fall in any of the above categories. [chars] describes the error and its context.

**Recommended Action** No action is required.

**Message** CDP-3-MCASTBINDFAIL: Failed to bind for CDP multicast address on interface [hex] - [chars]

**Explanation** An attempt to register for packets destined to the CDP multicast address failed. [dec] identifies the interface [char] identifies the reason.

**Recommended Action** No action is required.

**Message** CDP-3-MTSERROR: [chars]

**Explanation** CDP Daemon encountered an MTS error. [chars] specifies the context where the error occurred.

**Recommended Action** No action is required.

**Message** CDP-3-PKTRECVFAIL: Failed to receive packet - [chars]

**Explanation** Failed to receive packet. [char] identifies the reason.

**Recommended Action** No action is required.

**Message** CDP-3-PKTSENDFAIL: Failed to send packet, interface [hex] - [chars]

**Explanation** Failed to send packet. [dec] identifies the interface [char] identifies the reason.

**Recommended Action** No action is required.



**Message** CDP-3-PSSERROR: [chars]

**Explanation** CDP Daemon encountered a PSS error. [chars] specifies the context where the failure occurred.

**Recommended Action** No action is required.

**Message** CDP-3-SOCKBINDFAIL: Failed to bind to raw socket, interface [hex] - [chars]

**Explanation** Failed to bind to raw socket. [dec] identifies the interface [char] identifies the reason.

**Recommended Action** No action is required.

**Message** CDP-3-SOCKOPENFAIL: Failed to open socket for receiving raw 802\_2 packets - [chars]

**Explanation** An attempt to open a socket for receiving raw 802\_2 packets failed. [char] identifies the reason.

**Recommended Action** No action is required.

## CDP-4

**Message** CDP-4-DUPLEX\_MISMATCH: Duplex mismatch discovered on [chars], with [chars]

**Explanation** Duplex mismatch discovered from the received cdp packet This is a warning message.

**Recommended Action** No action is required.

**Message** CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on [chars] ([dec]), with [chars] ([dec])

**Explanation** Native VLAN mismatch discovered This is a warning message.

**Recommended Action** No action is required.

## CDP-5

**Message** CDP-5-DISABLED: CDP is disabled

**Explanation** CDP is disabled on the device.

**Recommended Action** No action is required.

**Message** CDP-5-ENABLED: CDP is enabled

**Explanation** CDP is enabled on the device.

**Recommended Action** No action is required.

**Message** CDP-5-NEIGHBOR\_ADDED: Device [chars] discovered of type [chars] with port [chars] on incoming port [chars] with ip addr [chars] and mgmt ip [chars]

**Explanation** Discovered a neighbor device. This is an informational message.

**Recommended Action** No action is required.

**Message** CDP-5-NEIGHBOR\_REMOVED: CDP Neighbor [chars] on port [chars] has been removed

**Explanation** Deleted a neighbor device. This is an informational message.

**Recommended Action** No action is required.

## CDP-6

**Message** CDP-6-CDPDUP: CDP Daemon Up.

**Explanation** CDP Daemon was created successfully and is up and running. This is an informational message.

**Recommended Action** No action is required.

**Message** CDP-6-CDPEXIT: CDP Daemon shutting down gracefully.

**Explanation** CDP Daemon is shutting down gracefully. This is an informational message.

**Recommended Action** No action is required.

**Message** CDP-6-PORTDISABLE: CDP disabled on port [chars]

**Explanation** CDP was disabled on a given port. [chars] is the interface-ID string that identifies the port. This is an informational message.

**Recommended Action** No action is required.

**Message** CDP-6-PORTDOWN: A CDP enabled port [chars] went down.

**Explanation** A CDP enabled port is not operational. [chars] is the interface-ID string that identifies the port. This is an informational message.

**Recommended Action** No action is required.

**Message** CDP-6-PORTENABLE: CDP enabled on port [chars]

**Explanation** CDP was enabled on a given port. [chars] is the interface-ID string that identifies the port. This is an informational message.

**Recommended Action** No action is required.

**Message** CDP-6-PORTUP: A CDP enabled port [chars] came up.

**Explanation** A CDP enabled port became operational. [chars] is the interface-ID string that identifies the port. This is an informational message.

**Recommended Action** No action is required.

## CERT\_ENROLL Messages

This section contains the CERT\_ENROLL messages.

### CERT\_ENROLL-2

**Message** CERT\_ENROLL-2-CERT\_EN\_PROGRAM\_EXIT: cert\_enroll daemon exiting: [chars]

**Explanation** Cert\_enroll daemon is exiting.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

### CERT\_ENROLL-3

**Message** CERT\_ENROLL-3-CERT\_EN\_ERROR\_MESSAGE: [chars]

**Explanation** CERT\_ENROLL Message

**Recommended Action** No action is required.

**Message** CERT\_ENROLL-3-CERT\_EN\_FIPS\_MODE\_INIT\_ERROR: Could not initialize FIPS mode: [chars]

**Explanation** FIPS mode initialization error

**Recommended Action** No action is required.

## CERT\_ENROLL-6

**Message** CERT\_ENROLL-6-CERT\_EN\_MESSAGE: [chars]

**Explanation** CERT\_ENROLL Message

**Recommended Action** No action is required.

## CFGD Messages

This section contains the CFGD messages.

### CFGD-SLOT#-2

**Message** CFGD-SLOT#-2-7: ERROR: Component ([chars]) caused critical error please reboot SSM

**Explanation** Component caused critical error

**Recommended Action** Restart the linecard.

## CFS Messages

This section contains the CFS messages.

### CFS-2

**Message** CFS-2-CFS\_REJECT: CFS reject: [chars]: Switch WWN [chars], ip [chars], reason [chars]

**Explanation** This messages provides the details of the reject.

**Recommended Action** Login to the switch with the addresses specified and check the status of the application that is specified in the message.

**Message** CFS-2-CFS\_REJECT\_LOCK: Remote switch with address(es) [char] rejected the lock for [char] giving reason [char].

**Explanation** This message is logged when a remote switch rejects the lock.

**Recommended Action** Login to the switch with the addresses specified and check the status of the application that is specified in the message.

**Message** CFS-2-CFS\_REJ\_LOCK\_INFO: Remote switch with address(es) [char] rejected the lock for [char] giving reason [char]. Lock holding switch has address(es) [char].

**Explanation** This message is logged when a remote switch rejects the lock.

**Recommended Action** Login to the lock holding switch and check the status of the application specified.

**Message** CFS-2-PEER\_LIMIT: The number of peers, [num], is more than the CFS supported configuration limit of [num]. Please reduce the number of peers to within the limit.

**Explanation** The number of peers has crossed the supported configuration limit as a result of CFS discovery.

**Recommended Action** Reduce the number of peers to within the limit.

## CFS-3

**Message** CFS-3-APP\_MERGE\_FAILED: Merge failed for app [chars], local switch wwn [chars], remote switch wwn [chars]. Please check 'show cfs merge status name [chars]' for more information

**Explanation** The CFS service has detected a merge failure.

**Recommended Action** Check the status of the application specified in the local and remote switches.

**Message** CFS-3-MERGE\_FAILED: Merge failed for [char] with local switch WWN [char], IP [char] and remote switch WWN [char], IP [char].

**Explanation** The CFS service has detected a merge failure.

**Recommended Action** Check the status of the application that is specified in the local and remote switches.

## CFS-6

**Message** CFS-6-LOGICAL\_DISTRIBUTION\_INFO: vsan [num], source wwn [chars], ip [chars] app-id [num], session-id [num], user [chars], [chars]

**Explanation** This is an informational message only.

**Recommended Action** No action is required.

**Message** CFS-6-PHY\_DISTRIBUTION\_INFO: source wwn [char], ip [char], app-id [num] session-id [num], user [char], [char]

**Explanation** This is an informational message.

**Recommended Action** No action is required.

**Message** CFS-6-SRVCREATED: CFS Service created

**Explanation** CFS Service was created successfully and is up and running.

**Recommended Action** This is an informational message. No action is required.

## CIMSRVPROV Messages

This section contains the CIMSRVPROV messages.

### CIMSRVPROV-2

**Message** CIMSRVPROV-2-CIM\_SYSLOG\_EXIT: Message:[chars] errcode:[dec]

**Explanation** Exit due to critical error

**Recommended Action** No action is required.

**Message** CIMSRVPROV-2-CIM\_SYSLOG\_PSS\_SNAPSHOT\_ERR: Source URI:[chars] Destination URI:[chars] errcode:[dec]

**Explanation** PSS snapshot error

**Recommended Action** No action is required.

**Message** CIMSRVPROV-2-CIM\_SYSLOG\_SDWRAP\_ERR: Description:[chars] errcode:[dec]

**Explanation** Debug infrastructure error

**Recommended Action** No action is required.

### CIMSRVPROV-3

**Message** CIMSRVPROV-3-CIM\_SYSLOG\_COPY\_CONFIG\_ERR: Message:[chars] URI:[chars] errcode:[dec]

**Explanation** Copy running startup error

**Recommended Action** No action is required.

**Message** CIMSrvProv-3-CIM\_SYSLOG\_FILE\_ERR: Purpose: [chars] Filename: [chars] errcode: [dec]

**Explanation** File handling error

**Recommended Action** No action is required.

**Message** CIMSrvProv-3-CIM\_SYSLOG\_MTS\_ERR: message [chars]

**Explanation** MTS message handling error

**Recommended Action** No action is required.

**Message** CIMSrvProv-3-CIM\_SYSLOG\_PSS\_ERR: Purpose: [chars] URI: [chars] errcode: [dec]

**Explanation** PSS handling error

**Recommended Action** No action is required.

## CIMSrvProv-6

**Message** CIMSrvProv-6-LOG\_CIM\_CERTIFICATE\_CLEARED: Cleared certificate [chars]

**Explanation** Cleared a certificate named [chars].

**Recommended Action** No action is required.

**Message** CIMSrvProv-6-LOG\_CIM\_CERTIFICATE\_INSTALLED: Installed certificate [chars]

**Explanation** Installed a certificate named [chars].

**Recommended Action** No action is required.

## CLIS Messages

This section contains the CLIS messages.

### CLIS-5

**Message** CLIS-5-CLIS\_SYSLOG\_CMD\_REMOVED: Command deleted from the NVDB: [chars]

**Explanation** Command removal due to configuration change

**Recommended Action** No action is required.

## CLIS-6

**Message** CLIS-6-CLIS\_SYSLOG\_CMD\_REMOVED: Command deleted from the NVDB: [chars]

**Explanation** Command removal due to configuration change

**Recommended Action** No action is required.

## CLK\_MGR Messages

This section contains the CLK\_MGR messages.

### CLK\_MGR-2

**Message** CLK\_MGR-2-CLK\_MGR\_FC2\_CRIT: CLK\_MGR critical error: [chars]

**Explanation** CLK\_MGR fc2 clock synchronization critical error

**Recommended Action** No action is required.

### CLK\_MGR-5

**Message** CLK\_MGR-5-CLK\_MGR\_CLI\_CONFIG: CLK\_MGR clock is synchronized by [chars] from VDC [dec]

**Explanation** CLK\_MGR clock is synchronized by [chars] from VDC

**Recommended Action** No action is required.

### CLK\_MGR-6

**Message** CLK\_MGR-6-CLK\_MGR\_TSTAMP\_CHKS\_DISABLED: CLK\_MGR timestamp checks disabled: [chars]

**Explanation** CLK\_MGR timestamp checks disabled

**Recommended Action** No action is required.

**Message** CLK\_MGR-6-CLK\_MGR\_TSTAMP\_CHKS\_ENABLED: CLK\_MGR timestamp checks enabled

**Explanation** CLK\_MGR timestamp checks enabled

**Recommended Action** No action is required.



## CLOUD Messages

This section contains the CLOUD messages.

### CLOUD-2

**Message** CLOUD-2-PROGRAM\_EXIT: cloud-discovery process ending: [chars]

**Explanation** Cloud-discovery process is exiting with reason [chars].

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

### CLOUD-3

**Message** CLOUD-3-CLOUD\_CFS\_MERGE\_OPERATION\_FAILED: [chars]

**Explanation** [chars1]

**Recommended Action** Please check the reason for the failure of the cfs operation and rectify the problem

**Message** CLOUD-3-CLOUD\_CFS\_OPERATION\_FAILED: [chars]: [chars]

**Explanation** [chars1] [chars2]

**Recommended Action** Please check the reason for the failure of the cfs operation and rectify the problem

**Message** CLOUD-3-CLOUD\_FEATURE\_MANAGER\_ERROR: [chars]: [chars]

**Explanation** [chars1] [chars2]

**Recommended Action** Please check the reason for error using feature manager and rectify the problem

**Message** CLOUD-3-CLOUD\_PSS\_OPERATION\_FAILED: [chars]: [chars]

**Explanation** [chars1] [chars2]

**Recommended Action** Please check the reason for the failure of the pss operation and rectify the problem

## CLOUD-6

**Message** CLOUD-6-CLOUD\_DISCOVERY\_DONE: discovery over

**Explanation** Cloud-discovery started

**Recommended Action** Check cloud membership

**Message** CLOUD-6-CLOUD\_DISCOVERY\_STARTED: [chars] discovery started

**Explanation** Cloud-discovery started

**Recommended Action** Check cloud-discovery status after sometime

## CLP\_FWD Messages

This section contains the CLP\_FWD messages.

### CLP\_FWD-6

**Message** CLP\_FWD-6-CLF\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## CLP\_L3 Messages

This section contains the CLP\_L3 messages.

### CLP\_L3-6

**Message** CLP\_L3-6-CLP\_L3\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## CLP\_MAC Messages

This section contains the CLP\_MAC messages.

## CLP\_MAC-6

**Message** CLP\_MAC-6-CLM\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## CLP\_XBAR Messages

This section contains the CLP\_XBAR messages.

### CLP\_XBAR-2

**Message** CLP\_XBAR-2-FR\_CRC: [chars]

**Explanation** Clipper received packets with CRC error from fabric

**Recommended Action** No action is required.

### CLP\_XBAR-6

**Message** CLP\_XBAR-6-CLX\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## CLUSTER\_TEST\_APP Messages

This section contains the CLUSTER\_TEST\_APP messages.

### CLUSTER\_TEST\_APP-5

**Message** CLUSTER\_TEST\_APP-5-CLUSTER\_TEST\_APP\_DISABLED: CLUSTER\_TEST\_APP Disabled

**Explanation** CLUSTER\_TEST\_APP Service Disabled

**Recommended Action** No action is required.

**Message** CLUSTER\_TEST\_APP-5-CLUSTER\_TEST\_APP\_ENABLED: CLUSTER\_TEST\_APP Enabled

**Explanation** CLUSTER\_TEST\_APP Service enabled

**Recommended Action** No action is required.

**Message** CLUSTER\_TEST\_APP-5-CLUSTER\_TEST\_APP\_TEST\_STARTED: Traffic test started

**Explanation** CLUSTER\_TEST\_APP Test started

**Recommended Action** No action is required.

**Message** CLUSTER\_TEST\_APP-5-CLUSTER\_TEST\_APP\_TEST\_STOPPED: Traffic test stopped

**Explanation** CLUSTER\_TEST\_APP Test stopped

**Recommended Action** No action is required.

## CLUSTER Messages

This section contains the CLUSTER messages.

### CLUSTER-2

**Message** CLUSTER-2-CLUSTER\_CAP\_ADD\_FAIL: Failed to add cluster capability [dec]

**Explanation** Cluster capability addition failed

**Recommended Action** No action is required.

**Message** CLUSTER-2-CLUSTER\_CAP\_DEL\_FAIL: Failed to delete cluster capability [dec]

**Explanation** Cluster capability deletion failed

**Recommended Action** No action is required.

**Message** CLUSTER-2-CLUSTER\_CAP\_DEL\_FAIL: Failed to delete cluster capability [dec]

**Explanation** Cluster capability deletion failed

**Recommended Action** No action is required.

**Message** CLUSTER-2-CLUSTER\_CONF\_MGR\_FAIL: Configuration manager failed to handle "[chars]" ([dec]) status=[hex]

**Explanation** Cluster Config Manager failed

**Recommended Action** No action is required.

**Message** CLUSTER-2-CLUSTER\_DB\_SYNC\_FAIL\_CLIENT: Client on node 0x%llx for cluster 0x%llx application [dec] dataset [dec] received database synchronization failed, reason= "[chars]" from application

**Explanation** Cluster database synchronization failed

**Recommended Action** No action is required.

**Message** CLUSTER-2-CLUSTER\_DB\_SYNC\_FAIL\_MANAGER: Manager on node 0x%llx for cluster 0x%llx application [dec] dataset [dec] received database synchronization failed, reason= "[chars]" from server on node 0x%llx

**Explanation** Cluster database synchronization failed

**Recommended Action** No action is required.

**Message** CLUSTER-2-CLUSTER\_DB\_SYNC\_FAIL\_SERVER: Server on node 0x%llx for cluster 0x%llx application [dec] dataset [dec] received database synchronization failed, reason= "[chars]" from client on node 0x%llx

**Explanation** Cluster database synchronization failed

**Recommended Action** No action is required.

**Message** CLUSTER-2-CLUSTER\_DB\_SYNC\_FAIL: Cluster 0x%llx application [dec] dataset [dec] database synchronization failed, reason= "[chars]"

**Explanation** Cluster database synchronization failed

**Recommended Action** No action is required.

**Message** CLUSTER-2-CLUSTER\_LEAVE\_RESP\_FAIL: Bad response to LEAVE request for Cluster 0x%llx

**Explanation** Received Bad Leave response

**Recommended Action** No action is required.

**Message** CLUSTER-2-CLUSTER\_LOCAL\_NODE\_EXIT: Local Node 0x%llx has left the Cluster 0x%llx Reason: [chars]

**Explanation** Node is not part of cluster

**Recommended Action** No action is required.

**Message** CLUSTER-2-CLUSTER\_RGC\_TRANSACTION\_FAIL: Cluster 0x%llx RGC transaction application=[dec] dataset=[dec] failed reason= "[chars]"

**Explanation** Cluster RGC transaction failed

**Recommended Action** No action is required.

**Message** CLUSTER-2-CLUSTER\_TRANSPORT\_FAIL: Cluster 0x%llx transport failed to send message from node 0x%llx to 0x%llx error=[dec]

**Explanation** Cluster transport failed to send message

**Recommended Action** No action is required.

## CLUSTER-5

**Message** CLUSTER-5-CLUSTER\_ADD: Cluster 0x%llx added

**Explanation** Cluster Added

**Recommended Action** No action is required.

**Message** CLUSTER-5-CLUSTER\_DISABLED: CLUSTER Disabled

**Explanation** CLUSTER Service Disabled

**Recommended Action** No action is required.

**Message** CLUSTER-5-CLUSTER\_ENABLED: CLUSTER Enabled

**Explanation** CLUSTER Service Enabled

**Recommended Action** No action is required.

**Message** CLUSTER-5-CLUSTER\_NODE\_ADD: Node 0x%llx added to cluster 0x%llx

**Explanation** Node added to cluster

**Recommended Action** No action is required.

**Message** CLUSTER-5-CLUSTER\_NODE\_JOIN: Node 0x%llx joined cluster 0x%llx

**Explanation** Node joined cluster

**Recommended Action** No action is required.

**Message** CLUSTER-5-CLUSTER\_NODE\_LEAVE\_EXPLICIT: Remote Node 0x%llx has left the Cluster 0x%llx voluntarily

**Explanation** Remote Node Left voluntarily

**Recommended Action** No action is required.

**Message** CLUSTER-5-CLUSTER\_NODE\_LEAVE: Node 0x%llx not in cluster 0x%llx

**Explanation** Node not in cluster

**Recommended Action** No action is required.

**Message** CLUSTER-5-CLUSTER\_NODE\_REMOVE: Node 0x%llx removed from cluster 0x%llx

**Explanation** Node removed from cluster

**Recommended Action** No action is required.

**Message** CLUSTER-5-CLUSTER\_REMOVE: Cluster 0x%llx removed

**Explanation** Cluster removed

**Recommended Action** No action is required.

**Message** CLUSTER-5-CLUSTER\_RX\_JOIN\_REQ: Node 0x%llx received JOIN request from node=0x%llx

**Explanation** Cluster received JOIN request

**Recommended Action** No action is required.

**Message** CLUSTER-5-CLUSTER\_RX\_JOIN\_RESP: Node 0x%llx received JOIN response from node=0x%llx result="[chars]"

**Explanation** Cluster received JOIN response

**Recommended Action** No action is required.

**Message** CLUSTER-5-CLUSTER\_RX\_PROBE: Node 0x%llx received PROBE from node=0x%llx

**Explanation** Cluster received PROBE message

**Recommended Action** No action is required.

**Message** CLUSTER-5-CLUSTER\_STARTED: CLUSTER 0x%llx Started

**Explanation** CLUSTER Started

**Recommended Action** No action is required.

**Message** CLUSTER-5-CLUSTER\_STOPPED: CLUSTER 0x%llx Stopped

**Explanation** CLUSTER Stopped

**Recommended Action** No action is required.

**Message** CLUSTER-5-CLUSTER\_TRANSPORT\_DOWN: Cluster 0x%llx transport down for node=0x%llx for Remote Port: [dec] Local Port: [dec]

**Explanation** Cluster Transport Connection DOWN

**Recommended Action** No action is required.

**Message** CLUSTER-5-CLUSTER\_TRANSPORT\_UP: Cluster 0x%llx transport up for node=0x%llx

**Explanation** Cluster Transport Connection UP

**Recommended Action** No action is required.

**Message** CLUSTER-5-CLUSTER\_TX\_JOIN\_REQ: Node 0x%llx sending JOIN request to node=0x%llx

**Explanation** Cluster sending JOIN request

**Recommended Action** No action is required.

**Message** CLUSTER-5-CLUSTER\_TX\_JOIN\_RESP: Node 0x%llx sending JOIN response to node=0x%llx result= "[chars]"

**Explanation** Cluster sending JOIN request

**Recommended Action** No action is required.



## CMOND Messages

This section contains the CMOND messages.

### CMOND-2

**Message** CMOND-2-CMOND\_ALERT\_MSG: [chars]

**Explanation** Alert message

**Recommended Action** No action is required.

**Message** CMOND-2-CMOND\_ERROR\_MSG: [chars]

**Explanation** Message

**Recommended Action** No action is required.

## CMPPROXY Messages

This section contains the CMPPROXY messages.

### CMPPROXY-2

**Message** CMPPROXY-2-LOG\_CMP\_IS\_NOT\_UP: Connectivity Management processor (on module [dec]) did not come up

**Explanation** Connectivity Management processor is not sending heartbeats on this module

**Recommended Action** No action is required.

**Message** CMPPROXY-2-LOG\_CMP\_UP: Connectivity Management processor (on module [dec]) is now UP

**Explanation** Connectivity Management processor has come up and is exchanging heartbeats with CP on this SUP slot

**Recommended Action** No action is required.

**Message** CMPPROXY-2-LOG\_CMP\_WENT\_DOWN: Connectivity Management processor (on module [dec]) went DOWN

**Explanation** Connectivity Management processor has either gone down or is not sending heartbeats for a long time

**Recommended Action** No action is required.

## CMPPROXY-5

**Message** CMPPROXY-5-LOG\_CMP\_AAA\_FAILURE: Authentication failed for a login from CMP (on module [dec])

**Explanation** A login attempt has been denied access from Connectivity management processor (CMP) as authentication did not succeed

**Recommended Action** No action is required.

**Message** CMPPROXY-5-MALLOC\_FAILURE: Memory allocation failure

**Explanation** Memory allocation in a call to malloc/calloc has failed.

**Recommended Action** No action is required.

## CMPPROXY-6

**Message** CMPPROXY-6-LOG\_CMP\_AAA\_SUCCESS: Authentication succeeded for a login from CMP (on module [dec])

**Explanation** A login attempt has succeeded from Connectivity management processor (CMP) in getting access as AAA succeeded

**Recommended Action** No action is required.

## COPP Messages

This section contains the COPP messages.

### COPP-1

**Message** COPP-1-COPP\_DROPS1: CoPP drops exceed threshold in class: [chars], check show policy-map interface control-plane for more info.

**Explanation** There are CoPP drops, [chars] tell which class has dropped packets.

**Recommended Action** No action is required.

## COPP-2

**Message** COPP-2-COPP\_DROPS2: CoPP drops exceed threshold in class: [chars], check show policy-map interface control-plane for more info.

**Explanation** There are CoPP drops, [chars] tell which class has dropped packets.

**Recommended Action** No action is required.

**Message** COPP-2-COPP\_INIT\_FAIL: CoPP Initialization failed: [chars]

**Explanation** CoPP Initialization failed. [chars] explains the reason for the failure.

**Recommended Action** No action is required.

**Message** COPP-2-COPP\_MTS\_FAIL: Failed to do MTS operation: [chars]

**Explanation** Failed to do MTS operation. [chars] explains the reason for the failure.

**Recommended Action** No action is required.

**Message** COPP-2-COPP\_NO\_POLICY: Control-plane is unprotected.

**Explanation** There is no policy to configured to protect the control-plane.'

**Recommended Action** When such a syslog appears, the user should protect the control plane by giving the appropriate CoPP commands, either of:

```
conf> copp profile <copp-system-profile-name>
```

or

```
conf> control-plane
```

```
conf> service-policy input <user-copp-policy-name>
```

**Message** COPP-2-COPP\_POLICY: Control-Plane is protected with policy [chars].

**Explanation** There is a policy configured to protect the control-plane.

**Recommended Action** No action is required.

**Message** COPP-2-COPP\_PROFILE\_DIFF: CoPP Default Profile may have changed, please check the diffs using show copp diff profile <profile-type>

**Explanation** CoPP Default Profile may have changed; check the difference using show copp diff profile <profile-type> command.

**Recommended Action** No action is required.

## COPP-3

**Message** COPP-3-COPP\_ALLOC\_FAIL: Memory allocation failure: [chars]

**Explanation** Failed to alloc required memory. [chars] explains the reason for the failure.

**Recommended Action** No action is required.

**Message** COPP-3-COPP\_DROPS3: CoPP drops exceed threshold in class: [chars], check show policy-map interface control-plane for more info.

**Explanation** There are CoPP drops, [chars] tell which class has dropped packets.

**Recommended Action** No action is required.

**Message** COPP-3-COPP\_PPF\_FAIL: Error during PPF operation: [chars]

**Explanation** Failed to do PPF operation. [chars] explains the reason for the failure.

**Recommended Action** No action is required.

**Message** COPP-3-COPP\_PSS\_FAIL: Error during PSS operation: [chars]

**Explanation** Failed to do PSS operation. [chars] explains the reason for the failure.

**Recommended Action** No action is required.

## COPP-4

**Message** COPP-4-COPP\_DROPS4: CoPP drops exceed threshold in class: [chars], check show policy-map interface control-plane for more info.

**Explanation** There are CoPP drops, [chars] tell which class has dropped packets.

**Recommended Action** No action is required.

## COPP-5

**Message** COPP-5-COPP\_DISABLED: COPP Disabled

**Explanation** COPP Service Disabled

**Recommended Action** No action is required.

**Message** COPP-5-COPP\_DROPS5: CoPP drops exceed threshold in class: [chars], check show policy-map interface control-plane for more info.

**Explanation** There are CoPP drops, [chars] tell which class has dropped packets.

**Recommended Action** No action is required.

**Message** COPP-5-COPP\_ENABLED: COPP Enabled

**Explanation** COPP Service enabled

**Recommended Action** No action is required.

**Message** COPP-5-COPP\_INIT: COPP initialized

**Explanation** COPP Service Initialized

**Recommended Action** No action is required.

## COPP-6

**Message** COPP-6-COPP\_DROPS6: CoPP drops exceed threshold in class: [chars], check show policy-map interface control-plane for more info.

**Explanation** There are CoPP drops, [chars] tell which class has dropped packets.

**Recommended Action** No action is required.

**Message** COPP-6-COPP\_POLICY\_ATTACHED: CoPP policy has been attached to control plane interface.

**Explanation** CoPP policy has been attached to control plane interface.

**Recommended Action** No action is required.

**Message** COPP-6-COPP\_POLICY\_DETACHED: CoPP policy has been detached from control plane interface.

**Explanation** CoPP policy has been detached from control plane interface.

**Recommended Action** No action is required.

## COPP-7

**Message** COPP-7-COPP\_DROPS7: CoPP drops exceed threshold in class: [chars], check show policy-map interface control-plane for more info.

**Explanation** There are CoPP drops, [chars] tell which class has dropped packets.

**Recommended Action** No action is required.

**Message** CORE-DMON-2-MODULE\_COREDUMP\_DONE: kernel coredump completed on module: [dec]

**Explanation** Kernel coredump finishing on a module

**Recommended Action** No action is required.

**Message** CORE-DMON-2-MODULE\_COREDUMP\_STARTED: kernel coredump started on module: [dec]

**Explanation** Kernel coredump starting on a module

**Recommended Action** No action is required.

## CORE-DMON Messages

This section contains the CORE-DMON messages.

### CORE-DMON-2

**Message** Message CORE-DMON-2-MODULE\_COREDUMP\_DONE: kernel coredump completed on module: [dec]

**Explanation** Explanation Kernel coredump finishing on a module

**Recommended Action** Recommended Action No action is required.

**Message** Message CORE-DMON-2-MODULE\_COREDUMP\_STARTED: kernel coredump started on module: [dec]

**Explanation** Explanation Kernel coredump starting on a module

**Recommended Action** Recommended Action No action is required.

## CORE-DMON-3

**Message** CORE-DMON-3-NO\_SPACE: Failed to save core file [chars]. Try removing existing core files.

**Explanation** Not enough space to save new core files

**Recommended Action** No action is required.

## CRDCFG Messages

This section contains the CRDCFG messages.

### CRDCFG-2

**Message** CRDCFG-2-CRDCFG\_SRV\_CRIT: [chars]

**Explanation** CardConfig CRITICAL ERROR

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

### CRDCFG-3

**Message** CRDCFG-3-CRDCFG\_ERR: [chars]

**Explanation** CardConfig Message

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** CRDCFG-3-CRDCFG\_MSG: [chars]

**Explanation** CardConfig log message

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** CRDCFG-3-CRDCFG\_SRV\_ERR: [chars]

**Explanation** CardConfigServer Message

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** CRDCFG-3-CRDCFG\_SRV\_MSG: [chars]

**Explanation** CardConfigServer log message

Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## CRDCFG-SLOT#-2

**Message** CRDCFG-SLOT#-2-CONFIG\_ERR: [chars]

**Explanation** CardConfig Failed to find matching card id, pnun in database

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## CREDITMON Messages

This section contains the CREDITMON messages.

### CREDITMON-SLOT#-2

**Message** CREDITMON-SLOT#-2-SYSERR\_CREDITMON\_APP\_EXITED: [chars]

**Explanation** Credit Monitor application exited

**Recommended Action** No action is required.

**Message** CREDITMON-SLOT#-2-SYSERR\_CREDITMON\_MTS\_INIT\_ERR: [chars]

**Explanation** Credit Monitor error binding to MTS

**Recommended Action** No action is required.

## CTS Messages

This section contains the CTS messages.



## CTS-2

**Message** CTS-2-CTS\_AUTHENT\_FAILURE: CTS Authentication failure on Port [chars] (CTS Failure Reason: [chars] [chars])

**Explanation** Fibre-Channel Authentication failure on Port [chars].(Reason Code [chars] Detail [chars]). Please check password configurations and ensure appropriate security modes on this port as well as peer port

**Recommended Action** No action is required.

**Message** CTS-2-CTS\_FIPS\_BYPASS\_TEST\_FAILED: FIPS bypass test failed for interface: [chars]

**Explanation**

**Recommended Action** No action is required.

**Message** CTS-2-CTS\_SAP\_FAILED: SAP exchange failed on interface [chars]. (Reason: [chars])

**Explanation**

**Recommended Action** No action is required.

**Message** CTS-2-CTS\_SAP\_REKEY\_FAILED: SAP exchange failed on interface [chars]. (Reason: [chars])

**Explanation**

**Recommended Action** No action is required.

**Message** CTS-2-DBG\_INIT\_FAILED: Debug Infrastructure Initialization failed ([chars])

**Explanation**

**Recommended Action** No action is required.

**Message** CTS-2-FC2\_E\_INIT\_FAILED: Fibre-Channel Initialization of an E\_Port failed ([chars])

**Explanation** CTS Manager has been unable to initialize with the FC-2 E\_Port infrastructure.

**Recommended Action** No action is required.

**Message** CTS-2-FC2\_F\_INIT\_FAILED: Fibre-Channel Initialization of an F\_Port failed ([chars])

**Explanation** CTS Manager has been unable to initialize with the FC-2 F\_Port infrastructure.

**Recommended Action** No action is required.

**Message** CTS-2-FC2\_UNKNOWN\_FRM\_REC'D\_CRIT: Received an unexpected/unknown FC-2 frame on [chars]

**Explanation**

**Recommended Action** No action is required.

**Message** CTS-2-FSMU\_INIT\_FAILED: State Machine Infrastructure Initialization failed ([chars])

**Explanation**

**Recommended Action** No action is required.

**Message** CTS-2-IPC\_INIT\_FAILED: IPC (Inter Process Communication) Initialization failed ([chars])

**Explanation** CTS Manager has been unable to initialize with the IPC infrastructure.

**Recommended Action** No action is required.

**Message** CTS-2-LICENSE\_UNAVAILABLE: License:[chars] unavailable, service exiting

**Explanation** License of [chars] is unavailable. Service will exit now

**Recommended Action** Please install the license file to continue using the feature.

**Message** CTS-2-MEM\_FAILED: Memory operations failed File: [chars] Line [dec] for size [hex] bytes

**Explanation**

**Recommended Action** No action is required.

**Message** CTS-2-POST\_INIT\_FAILED: Post-Initialization failed ([chars])

**Explanation**

**Recommended Action** No action is required.

**Message** CTS-2-PSS\_INIT\_FAILED: PSS Infrastructure Initialization failed ([chars])

**Explanation**

**Recommended Action** No action is required.

**Message** CTS-2-RBACL\_ENFORCEMENT\_FAILED: Failed to [chars] RBACL enforcement on [chars] %lu

**Explanation**

**Recommended Action** No action is required.

**Message** CTS-2-RBACL\_LC\_INSERT\_FAILED: RBACL programming failed for inserted module [dec]

**Explanation**

**Recommended Action** No action is required.

**Message** CTS-2-RBACL\_TCAM\_SPACE\_NOT\_ENOUGH: Not enough free space left on TCAM

**Explanation**

**Recommended Action** No action is required.

**Message** CTS-2-RBACL\_UNABLE\_PARSE\_ACE: Unable to parse RBACL ACE substring: [chars]

**Explanation**

**Recommended Action** No action is required.

**Message** CTS-2-RBACL\_UPDATE\_FAILED: Failed to [chars] RBACL [chars]

**Explanation**

**Recommended Action** No action is required.

## CTS-3

**Message** CTS-3-DOT1X\_AUTHC\_FAILED: DOT1X authentication failed on port: [chars]

**Explanation** DOT1X authentication failed on the port

**Recommended Action** No action is required.

## CTS-5

**Message** CTS-5-CTS\_IP\_SGT\_MAP\_DELETE: IP-SGT mapping deleted for [chars] on [chars] %lu

**Explanation**

**Recommended Action** No action is required.

**Message** CTS-5-CTS\_IP\_SGT\_MAP\_UPDATE: [chars] assigned SGT [chars]

**Explanation**

**Recommended Action** No action is required.

## CTS-6

**Message** CTS-6-CTS\_FIPS\_BYPASS\_TEST\_PASSED: FIPS bypass test passed for interface: [chars]

**Explanation**

**Recommended Action** No action is required.

**Message** CTS-6-SXP\_BIND\_FAIL: CTS SXP socket bind failed for [chars]

**Explanation**

**Recommended Action** No action is required.

**Message** CTS-6-SXP\_CONFIG\_MODE\_MISMATCH: CTS SXP config mode mis-match with peer [chars] during [chars]

**Explanation** .

**Recommended Action** No action is required.

**Message** CTS-6-SXP\_CONFIG\_VER\_MISMATCH: CTS SXP config version mis-match with peer [chars] during [chars]

**Explanation**

**Recommended Action** No action is required.

**Message** CTS-6-SXP\_CONN\_PURGED: CTS SXP connection purged: vrf [dec], peer: [chars]

**Explanation** .

**Recommended Action** No action is required.

**Message** CTS-6-SXP\_CONN\_STATE\_CHG\_OFF: CTS SXP connection state for peer [chars] changed to off

**Explanation**

**Recommended Action** No action is required.

**Message** CTS-6-SXP\_DEFAULT\_PASSWORD\_RESET: CTS SXP default password reset

**Explanation** .

**Recommended Action** No action is required.

**Message** CTS-6-SXP\_DEFAULT\_PASSWORD\_SET: CTS SXP default password set

**Recommended Action** No action is required.

**Message** CTS-6-SXP\_DEFAULT\_SRC\_IP\_RESET: CTS SXP default source IP address reset to [chars]

**Explanation**

**Recommended Action** No action is required.

**Message** CTS-6-SXP\_DEFAULT\_SRC\_IP\_SET: CTS SXP default source IP address set to [chars]

**Explanation** .

**Recommended Action** No action is required.

**Message** CTS-6-SXP\_INTERNAL\_FAIL: CTS SXP internal failure

**Explanation** .

**Recommended Action** No action is required.

**Message** CTS-6-SXP\_LISTEN\_FAIL: CTS SXP socket listen failed

**Explanation** .

**Recommended Action** No action is required.

**Message** CTS-6-SXP\_RX\_UNKNOWN\_MSG\_TYPE: CTS SXP received unknown message type [chars]

**Explanation** .

**Recommended Action** No action is required.

**Message** CTS-6-SXP\_RX\_UNKNOWN\_OPC\_TYPE: CTS SXP received unknown opcode type [dec] for peer [chars]

**Explanation** .

**Recommended Action** No action is required.

**Message** CTS-6-SXP\_STATE\_CHANGE: CTS SXP [chars]

**Explanation** .

**Recommended Action** No action is required.

## CTS-7

**Message** CTS-7-CTS\_PACE: [chars]

**Explanation** .

**Recommended Action** No action is required.

**Message** CTS-7-CTS\_PPF\_RBACL\_ENABLE: [chars]

**Explanation** .

**Recommended Action** No action is required.

**Message** CTS-7-CTS\_PPF\_SESS\_STATE: [chars] Session id [dec] ([hex])

**Explanation** .

**Recommended Action** No action is required.

**Message** CTS-7-CTS\_PPF\_SGT\_DGT: [chars] rbacl [chars] sgt [dec] dgt [dec]

**Explanation** .

**Recommended Action** No action is required.

**Message** CTS-7-CTS\_PPF: [chars]

**Explanation** .

**Recommended Action** No action is required.

**Message** CTS-7-CTS\_SAL: CTS: [chars]

**Explanation** .

**Recommended Action** No action is required.

**Message** CTS-7-SGT\_MAP\_INIT: CTS: [chars]

**Explanation** .

**Recommended Action** No action is required.

## DAEMON Messages

**Message** %DAEMON-2-SYSTEM\_MSG: [chars]

**Explanation** This message provides information about errors related to SSH.

**Recommended Action** Perform additional debugging to resolve the issue.

**Message** %DAEMON-3-SYSTEM\_MSG: [chars]

**Explanation** This message provides information about components that use syslog's internal facility, DAEMON, to raise syslogs.

**Recommended Action** Perform additional debugging to resolve the issue.

If the issue is not resolved, please contact the Cisco reseller through which you procured the product for support; if you have purchased a Cisco support contract please call Cisco TAC for support.

## DCEFIB Messages

This section contains the DCEFIB messages.

### DCEFIB-SLOT#-0

**Message** DCEFIB-SLOT#-0-CLI\_INIT\_FAILED: CLI library initialization failed!

**Explanation** L2mp unicast fib failed to initialize CLI infrastructure's backend library. This is a fatal error.

**Recommended Action** No action is required.

**Message** DCEFIB-SLOT#-0-TIMER\_INIT\_FAILED: Timer subsystem initialization failed!

**Explanation** L2mp unicast fib failed to initialize timer library. This is a fatal error.

**Recommended Action** No action is required.

## DCEFIB-SLOT#-2

**Message** DCEFIB-SLOT#-2-DCEFIB\_MEM\_ALLOC: Memory allocation failed. [chars]

**Explanation** Memory allocation failed. This is a critical failure

**Recommended Action** No action is required.

**Message** DCEFIB-SLOT#-2-DCEFIB\_RECOVERY\_ERROR: Error in Recovery: [chars]

**Explanation** L2mp unicast fib failed to recover after a re-start. This is a fatal error.

**Recommended Action** No action is required.

**Message** DCEFIB-SLOT#-2-U2FIB\_ERR: [chars]

**Explanation** L2mp unicast fib encountered an error:

**Recommended Action** No action is required.

## DCEFIB-SLOT#-6

**Message** DCEFIB-SLOT#-6-INITIALIZED: Internal state created [chars]

**Explanation** L2mp unicast fib has created its internal state stateless/stateful [chars].

**Recommended Action** No action is required.

**Message** DCEFIB-SLOT#-6-U2FIB\_INFO: [chars]

**Explanation** L2mp unicast fib notice:

**Recommended Action** No action is required.

**Message** DCEFIB-SLOT#-6-VDC\_CREATED: VDC [dec] created

**Explanation** Request to create VDC [dec] in l2mp unicast fib was successful.

**Recommended Action** No action is required.



**Message** DCEFIB-SLOT#-6-VDC\_REMOVED: VDC [dec] Removed

**Explanation** L2mp unicast fib has successfully removed VDC [dec] from its databases.

**Recommended Action** No action is required.

## DEBUGPROXY Messages

This section contains the DEBUGPROXY messages.

### DEBUGPROXY-6

**Message** DEBUGPROXY-6-SSM\_DEBUG\_PROXY\_COMMON: SSM debug proxy [chars] [dec]

**Explanation** General SSM debug proxy information

**Recommended Action** No action is required.

## DEVICE-ALIAS Messages

This section contains the DEVICE-ALIAS messages.

### DEVICE-ALIAS-2

**Message** DEVICE-ALIAS-2-ALLOC\_FAILED: Memory allocation failed for size:[dec]  
type: [dec]

**Explanation** Memory allocation failed for size [dec] type [dec]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DEVICE-ALIAS-2-DDAS\_DEFAULT\_MODE: Device alias mode has been set to enhanced mode

**Explanation** Device-alias default mode is enhanced mode.

**Recommended Action** None.

**Message** DEVICE-ALIAS-2-INIT\_FAILED: [chars]

**Explanation** An error occurred during initialization. [chars] indicates the reason for failure.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## DEVICE-ALIAS-3

**Message** DEVICE-ALIAS-3-CFS\_OPER\_FAILED: [chars]

**Explanation** An error occurred while performing a CFS operation. [chars] indicates the CFS operation and the reason for failure.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DEVICE-ALIAS-3-CLEAR\_FAILED: [chars]

**Explanation** An error occurred while clearing the session. [chars] indicates the reason for failure.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DEVICE-ALIAS-3-COMMIT\_FAILED: [chars]

**Explanation** An error occurred while committing the database. [chars] indicates the reason for failure.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DEVICE-ALIAS-3-COMMIT\_REJECTED: [chars]

**Explanation** Commit request received from remote switch is rejected. [chars] indicates the reason for failure.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DEVICE-ALIAS-3-LOCK\_FAILED: [chars]

**Explanation** An error occurred while acquiring the lock. [chars] indicates the reason for failure.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DEVICE-ALIAS-3-LOCK\_REJECTED: [chars]

**Explanation** Lock request received from remote switch is rejected. [chars] indicates the reason for failure.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DEVICE-ALIAS-3-MERGE\_ACTIVATION\_FAILED: [chars]

**Explanation** An error occurred while activating the merged database. [chars] indicates the reason for failure.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DEVICE-ALIAS-3-MERGE\_ACTIVATION\_REJECTED: [chars]

**Explanation** Merge activation request received from remote switch is rejected. [chars] indicates the reason for failure.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DEVICE-ALIAS-3-MERGE\_FAILED: [chars]

**Explanation** An error occurred during merge operation. [chars] indicates the reason for failure.

**Recommended Action** Compare device-alias configuration with the other switches in the fabric, resolve the conflicts if any and commit the changes.

**Message** DEVICE-ALIAS-3-MERGE\_MREQ\_REJECTED: [chars]

**Explanation** MREQ received from remote switch is rejected. [chars] indicates the reason for failure.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DEVICE-ALIAS-3-MERGE\_MRESP\_REJECTED: [chars]

**Explanation** MRESP received from remote switch is rejected. [chars] indicates the reason for failure.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DEVICE-ALIAS-3-MERGE\_VALIDATION\_FAILED: [chars]

**Explanation** An error occurred while validating the merged database. [chars] indicates the reason for failure.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DEVICE-ALIAS-3-MERGE\_VALIDATION\_REJECTED: [chars]

**Explanation** Merge validation request received from remote switch is rejected. [chars] indicates the reason for failure.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DEVICE-ALIAS-3-MTS\_OPER\_FAILED: [chars]

**Explanation** An error occurred during MTS operation. [chars] indicates the MTS operation and the reason for failure.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DEVICE-ALIAS-3-PSS\_OPER\_FAILED: [chars]

**Explanation** An error occurred during PSS operation. [chars] indicates the PSS operation and the reason for failure.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DEVICE-ALIAS-3-UNLOCK\_FAILED: [chars]

**Explanation** An error occurred while releasing the lock. [chars] indicates the reason for failure.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DEVICE-ALIAS-3-UNLOCK\_REJECTED: [chars]

**Explanation** Unlock request received from remote switch is rejected. [chars] indicates the reason for failure.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DEVICE-ALIAS-3-VALIDATION\_FAILED: [chars]

**Explanation** An error occurred while validating the database. [chars] indicates the reason for failure.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DEVICE-ALIAS-3-VALIDATION\_REJECTED: [chars]

**Explanation** Validation request received from remote switch is rejected. [chars] indicates the reason for failure.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## DEVICE-ALIAS-6

**Message** DEVICE-ALIAS-6-CLEAR\_FAILED\_INFO: [chars]

**Explanation** An error occurred while clearing the session. [chars] indicates the additional information regarding failure.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DEVICE-ALIAS-6-COMMIT\_FAILED\_INFO: [chars]

**Explanation** An error occurred while committing the database. [chars] indicates the additional information regarding failure.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DEVICE-ALIAS-6-IMPORT\_DEFINITION\_CONFLICT: Fcalias [chars] could not be imported due to definition conflict

**Explanation** Fcalias [chars] could not be imported due to definition conflict. Either there is already a device-alias configuration present with the same definition OR another VSAN specified in the import VSAN range has an Fcalias with the same definition.

**Recommended Action** Resolve the conflict and issue the import command again.

**Message** DEVICE-ALIAS-6-IMPORT\_MEMBER\_TYPE\_CONFLICT: Fcalias [chars] could not be imported due to having unsupported member type

**Explanation** Fcalias [chars] could not be imported due to having unsupported member types. Fcalias can be imported only if it has Port WWN based members.

**Recommended Action** Make sure that the Fcalias has Port WWN based members and issue the import command again.

**Message** DEVICE-ALIAS-6-IMPORT\_NAME\_CONFLICT: Fcalias [chars] could not be imported due to name conflict

**Explanation** Fcalias [chars] could not be imported due to name conflict. Either there is already a device-alias configuration present with the same name OR another VSAN specified in the import VSAN range has an Fcalias with the same name.

**Recommended Action** Resolve the conflict and issue the import command again.

**Message** DEVICE-ALIAS-6-IMPORT\_NUM\_MEMBERS\_CONFLICT: Fcalias [chars] could not be imported due to having unsupported number of members

**Explanation** Fcalias [chars] could not be imported due to having unsupported number of members. Fcalias can be imported only if it has exactly one member.

**Recommended Action** Make sure that the Fcalias has exactly one member and issue the import command again.

**Message** DEVICE-ALIAS-6-LOCK\_FAILED\_INFO: [chars]

**Explanation** An error occurred while acquiring the lock. [chars] indicates the additional information regarding failure.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DEVICE-ALIAS-6-MERGE\_ACTIVATION\_FAILED\_INFO: [chars]

**Explanation** An error occurred while activating the merged database. [chars] indicates the additional information regarding failure.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DEVICE-ALIAS-6-MERGE\_VALIDATION\_FAILED\_BUSY: [chars]

**Explanation** Merged database could not be validated as some of the applications returned busy. [chars] indicates information about the application returned busy. There is no user intervention necessary. The validation would be automatically retried after some time.

**Recommended Action** No DDTS.

**Message** DEVICE-ALIAS-6-MERGE\_VALIDATION\_REJECTED\_BUSY: [chars]

**Explanation** Merged database received from the remote switch could not be validated as some of the applications returned busy. [chars] indicates information about the application returned busy. There is no user intervention necessary. The validation would be automatically retried after some time.

**Recommended Action** No DDTS.

**Message** DEVICE-ALIAS-6-UNLOCK\_FAILED\_INFO: [chars]

**Explanation** An error occurred while releasing the lock. [chars] indicates the additional information regarding failure.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DEVICE-ALIAS-6-VALIDATION\_ABORTED: [chars]

**Explanation** Local validation is aborted. [chars] indicates the reason why validation is aborted.

**Recommended Action** No DDTS.

## DEVICE\_TEST Messages

This section contains the DEVICE\_TEST messages.

### DEVICE\_TEST-2

**Message** DEVICE\_TEST-2-ASIC\_REG\_CHECK\_FAIL: Module [dec] has failed test [chars] [dec] times on device [chars] [chars] [dec] [chars] due to error [chars]

**Explanation** Online diagnostics ASIC Register Check test has failed

**Recommended Action** No action is required.

**Message** DEVICE\_TEST-2-COMPACT\_FLASH\_FAIL: Module [dec] has failed test [chars] [dec] times on device Compact Flash due to error [chars]

**Explanation** Online diagnostics Compact Flash test has failed

**Recommended Action** No action is required.

**Message** DEVICE\_TEST-2-CRYPTO\_DEVICE\_FAIL: Module [dec] has failed test [chars] [dec] times on Crypto device due to error [chars]

**Explanation** Online diagnostics Crypto Device test has failed

**Recommended Action** No action is required.

**Message** DEVICE\_TEST-2-DEVICE\_TEST\_FAIL\_NO\_ACTION: Module [dec] has failed test [chars] [dec] times but no action taken due to [chars]

**Explanation** Online diagnostics device test detected failure but no action taken

**Recommended Action** No action is required.

**Message** DEVICE\_TEST-2-DEVICE\_TEST\_MODULE\_FAILURE: Module [dec] has failed test [chars] [dec] times due to error [chars]

**Explanation** Online diagnostics device test detected module failure

**Recommended Action** No action is required.

**Message** DEVICE\_TEST-2-EOBC\_FAIL: Module [dec] has failed test [chars] on EOBC due to error [chars]

**Explanation** Online diagnostics EOBC test has failed

**Recommended Action** No action is required.

**Message** DEVICE\_TEST-2-FAN\_MOD\_FAIL: Module [dec] has failed test [chars] [dec] times on System Mgmt Bus for chassis [chars] instance [dec] due to error [chars] error number [hex]

**Explanation** Online diagnostics System Mgmt Bus test has failed

**Recommended Action** No action is required.

**Message** DEVICE\_TEST-2-MALLOC\_FAILURE: Memory allocation failed

**Explanation** Device Test process could not allocate memory

**Recommended Action** No action is required.

**Message** DEVICE\_TEST-2-MGMT\_PORT\_SKIP: Module [dec] has skipped test [chars] on Management Port due to error [chars]

**Explanation** Online diagnostics Management Port test is skipped

**Recommended Action** No action is required.

**Message** DEVICE\_TEST-2-NVRAM\_FAIL: Module [dec] has failed test [chars] [dec] times on device NVRAM due to error [chars]

**Explanation** Online diagnostics NVRAM test has failed

**Recommended Action** No action is required.

**Message** DEVICE\_TEST-2-OBFL\_FAIL: Module [dec] has failed test [chars] [dec] times on device OBFL due to error [chars]

**Explanation** Online diagnostics OBFL test has failed

**Recommended Action** No action is required.



**Message** DEVICE\_TEST-2-POWER\_SUPPLY\_FAIL: Module [dec] has failed test [chars] [dec] times on System Mgmt Bus for chassis [chars] instance [dec] due to error [chars] error number [hex]

**Explanation** Online diagnostics System Mgmt Bus test has failed

**Recommended Action** No action is required.

**Message** DEVICE\_TEST-2-PRIMARY\_BOOTROM\_FAIL: Module [dec] has failed test [chars] [dec] times on device Primary BootROM due to error [chars]

**Explanation** Online diagnostics Primary BootROM test has failed

**Recommended Action** No action is required.

**Message** DEVICE\_TEST-2-PWR\_MGMT\_BUS\_FAIL: Module [dec] has failed test [chars] [dec] times on device Power Mgmt Bus on slot [dec] due to error [chars] error number [hex]

**Explanation** Online diagnostics Power Mgmt Bus test has failed

**Recommended Action** No action is required.

**Message** DEVICE\_TEST-2-RTC\_FAIL: Module [dec] has failed test [chars] [dec] times on device RealTimeClock due to error [chars]

**Explanation** Online diagnostics RealTimeClock test has failed

**Recommended Action** No action is required.

**Message** DEVICE\_TEST-2-SECONDARY\_BOOTROM\_FAIL: Module [dec] has failed test [chars] [dec] times on device Secondary BootROM due to error [chars]

**Explanation** Online diagnostics Secondary BootROM test has failed

**Recommended Action** No action is required.

**Message** DEVICE\_TEST-2-SPINE\_CONTROL\_BUS\_FAIL: Module [dec] has failed test [chars] [dec] times on device Spine Control Bus on slot [dec] due to error [chars] error number [hex]

**Explanation** Online diagnostics Spine Control Bus test has failed

**Recommended Action** No action is required.

**Message** DEVICE\_TEST-2-STANDBY\_LOOPBACK\_TEST\_FAIL: Module [dec] has failed test [chars] [dec] times on [chars] [dec] due to error [chars]

**Explanation** Online diagnostics Standby Fabric Loopback test has failed

**Recommended Action** No action is required.

**Message** DEVICE\_TEST-2-TWOWIRE\_STW\_FAIL: Module [dec] has failed test [chars] [dec] times on Status Bus on slot [dec] due to error [chars]

**Explanation** Online diagnostics Status bus test has failed

**Recommended Action** No action is required.

**Message** DEVICE\_TEST-2-USB\_FAIL: Module [dec] has failed test [chars] [dec] times on device USB due to error [chars]

**Explanation** Online diagnostics USB test has failed

**Recommended Action** No action is required.

## DEVICE\_TEST-3

**Message** DEVICE\_TEST-3-STANDBY\_TEST\_GET\_DIAG\_VQI\_FAIL: Standby test get diag vqi failed due to error [hex]

**Explanation** Device Test Standby Loopback Test failed get vqi

**Recommended Action** No action is required.

**Message** DEVICE\_TEST-3-STANDBY\_TEST\_GET\_SPINE\_FAIL: Standby test get spines failed due to error [hex]

**Explanation** Device Test Standby Fabric Loopback Test get spine failed

**Recommended Action** No action is required.

**Message** DEVICE\_TEST-3-STANDBY\_TEST\_INIT\_FAIL: Init for standby test failed due to error [hex]

**Explanation** Device Test Standby Fabric Loopback Test failed in its process

**Recommended Action** No action is required.

**Message** DEVICE\_TEST-3-STANDBY\_TEST\_MTS\_FAIL: Mts Init for standby test failed due to error [hex]

**Explanation** Device Test Standby Fabric Loopback Test failed mts in it

**Recommended Action** No action is required.

**Message** DEVICE\_TEST-3-STANDBY\_TEST\_SOCKET\_FAIL: Standby test socket error [chars]: [hex]

**Explanation** Device Test Standby Fabric Loopback Test Socket error

**Recommended Action** No action is required.

## DEVICE\_TEST-4

**Message** DEVICE\_TEST-4-THREAD\_CREATE\_FAIL: Thread creation failed

**Explanation** Device Test process could not create threads

**Recommended Action** No action is required.

**Message** DEVICE\_TEST-4-TIMER\_CREATE\_FAIL: Timer creation failed

**Explanation** Device Test process could not create timer

**Recommended Action** No action is required.

**Message** DEVICE\_TEST-4-TIMER\_START\_FAIL: Timer start failed

**Explanation** Device Test process could not start timer

**Recommended Action** No action is required.

## DEVICE\_TEST-5

**Message** DEVICE\_TEST-5-NOTICE\_TEST: Memory allocation failed notice

**Explanation** Device Test process could not allocate memory

**Recommended Action** No action is required.

## DEVICE\_TEST-6

**Message** DEVICE\_TEST-6-INFO\_TEST: Memory allocation failed info

**Explanation** Device Test process could not allocate memory

**Recommended Action** No action is required.

## DEV\_LOG\_SUP Messages

This section contains the DEV\_LOG\_SUP messages.

### DEV\_LOG\_SUP-3

**Message** DEV\_LOG\_SUP-3-ERROR: [chars]

**Explanation** Dev\_log\_sup encountered an error

**Recommended Action** No action is required.

## DEV\_LOG Messages

This section contains the DEV\_LOG messages.

### DEV\_LOG-3

**Message** DEV\_LOG-3-ERROR: [chars]

**Explanation** Dev\_log\_lc encountered an error

**Recommended Action** No action is required.

### DEV\_LOG-SLOT#-4

**Message** DEV\_LOG-SLOT#-4-DEV\_LOG\_LC\_ERROR: [chars]

**Explanation** Dev\_log\_lc encountered an error

**Recommended Action** No action is required.

## DFTM Messages

This section contains the DFTM messages.

### DFTM-SLOT#-2

**Message** DFTM-SLOT#-2-DFTM\_INTF\_NOT\_FOUND: Interface [chars] not found in DFTM database [chars]

**Explanation** DFTM database doesn't have the interface.

**Recommended Action** No action is required.

**Message** DFTM-SLOT#-2-DFTM\_INVALID\_FTAG\_NUM: DFTM received invalid number of FTags [dec] from M2RIB

**Explanation** DFTM recvd invalid number of F Tags from M2RIB.

**Recommended Action** No action is required.

**Message** DFTM-SLOT#-2-DFTM\_INVALID\_INTF\_NUM: DFTM has invalid number of interfaces [dec] in the DB

**Explanation** DFTM has invalid number of interfaces in the DB.

**Recommended Action** No action is required.

**Message** DFTM-SLOT#-2-DFTM\_PC\_NUM\_MEMB\_INVALID: DFTM received invalid number of PC members [dec] from ELTM

**Explanation** DFTM recvd invalid number of PC members from ELTM.

**Recommended Action** No action is required.

**Message** DFTM-SLOT#-2-DFTM\_VLAN\_NOT\_FOUND: VLAN [dec] not found in DFTM database [chars]

**Explanation** DFTM database does not have the VLAN.

**Recommended Action** No action is required.

## DFTM-SLOT#-3

**Message** DFTM-SLOT#-3-DFTM\_BDDP\_PROG\_FAILED: DFTM failed to program BDDP Entry

**Explanation** DFTM failed to program BDDP Entry

**Recommended Action** No action is required.

**Message** DFTM-SLOT#-3-DFTM\_BDT\_PROG\_FAILED: DFTM failed to program BD Table Entry

**Explanation** DFTM failed to program BD Table Entry

**Recommended Action** No action is required.

**Message** DFTM-SLOT#-3-DFTM\_IFIDX\_INVALID\_PORT\_LAYER: Invalid Port Layer Received for interface: [chars]

**Explanation** Invalid Port Layer Received for interface

**Recommended Action** No action is required.

**Message** DFTM-SLOT#-3-DFTM\_IFIDX\_INVALID\_PORT\_MODE: Invalid Port Mode Received for interface: [chars]

**Explanation** Invalid Port Mode Received for interface

**Recommended Action** No action is required.

**Message** DFTM-SLOT#-3-DFTM\_IFIDX\_INVALID\_PORT\_TYPE: Invalid Port Type Received for interface: [chars]

**Explanation** Invalid Port Type Received for interface

**Recommended Action** No action is required.

**Message** DFTM-SLOT#-3-DFTM\_IFIDX\_TYPE\_ERROR: Failed to get type for interface: [chars]

**Explanation** Failed to get type for the interface

**Recommended Action** No action is required.

**Message** DFTM-SLOT#-3-DFTM\_INVALID\_PRIM\_SEC\_VLAN\_REQ: DFTM received prim-sec request for a non-existing sec vlan [dec] on primary [dec]

**Explanation** DFTM recvd prim-sec vlan mapping request for a non-existing sec vlan on prim vlan

**Recommended Action** No action is required.

**Message** DFTM-SLOT#-3-DFTM\_L2L3CT\_PROG\_FAILED: DFTM failed to program L2L3 Consistency Table Entry

**Explanation** DFTM failed to program L2L3 Consistency Table Entry

**Recommended Action** No action is required.

**Message** DFTM-SLOT#-3-DFTM\_MFT\_PROG\_FAILED: DFTM failed to program Multicast FTag Table Entry

**Explanation** DFTM failed to program Multicast Ftag Table Entry

**Recommended Action** No action is required.

**Message** DFTM-SLOT#-3-DFTM\_SDT\_PROG\_FAILED: DFTM failed to program SGT DGT Table Entry

**Explanation** DFTM failed to program SGT DGT Table Entry

**Recommended Action** No action is required.

**Message** DFTM-SLOT#-3-DFTM\_VTT\_PROG\_FAILED: DFTM failed to program VLAN Translation Table Entry for vlan [dec], xlt\_vlan [dec] on fe [dec]

**Explanation** DFTM failed to program VLAN Translation Table

**Recommended Action** No action is required.

## DHCP\_SNOOP Messages

This section contains the DHCP\_SNOOP messages.

### DHCP\_SNOOP-2

**Message** DHCP\_SNOOP-2-DHCP\_SNOOP\_PROGRAM\_EXIT: [chars]

**Explanation** DHCP snoop process did an abnormal exit

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-2-HWPGMFAILURE: Hardware programming has failed: [chars]

**Explanation** Hardware programming has failed. [chars] explains the reason for the failure.

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-2-INITFAIL: DHCP Daemon Initialization failed: [chars]

**Explanation** DHCP Daemon Initialization failed. [chars] explains the reason for the failure.

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-2-PSSERROR: [chars]

**Explanation** DHCP Daemon encountered a PSS error. [chars] specifies the context where the failure occurred.

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-2-REGPARTREE: Unable to register par tree: [chars]

**Explanation** Could not register par tree. [chars] explains the reason for the failure.

**Recommended Action** No action is required.

## DHCP\_SNOOP-3

**Message** DHCP\_SNOOP-3-ALLOCFAIL: Heap Memory allocation failed: [chars]

**Explanation** DHCP Daemon is out of dynamic memory. [chars] specifies the context where the failure occurred.

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-3-ASSERTION\_FAILED: [chars]: [dec]

**Explanation** DHCP Snoop process has hit an assert condition at file [chars] line number [dec]

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-3-DHCPDENIEDARP: ARP frame denied due to DHCP snooping binding on interface [chars] vlan [dec] sender mac [chars] sender ip [chars] target mac [chars] target ip [chars].

**Explanation** [chars] identifies interface and [dec] identifies the vlan on which ARP packets have been denied. [chars] identifies sender mac and [chars] identifies the sender ip. [chars] identifies the target mac and [chars] identifies the target ip.

**Recommended Action** No action is required.



**Message** DHCP\_SNOOP-3-DHCPRATELIMIT: Interface [chars] has been error disabled due to excessive ingress rate [dec] of DHCP packets.

**Explanation** [chars] identifies the interface which has been error disabled due to excessive ingress rate [dec].

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-3-HWPGMFAILURE: Hardware programming has failed: [chars]

**Explanation** Hardware programming has failed. [chars] explains the reason for the failure.

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-3-INVDHCPPKTS: Validation errors while processing DHCP packet received on interface [chars] vlan [dec] Reason:[chars]. Dropping the packet

**Explanation** Validation errors DHCP packet received on the interface [chars] vlan [dec]. Reason:[chars]

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-3-MTSError: [chars]

**Explanation** DHCP Daemon encountered an MTS error. [chars] specifies the context where the error occurred.

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-3-PKTDROP: Packet dropped. Reason - [chars]

**Explanation** Dropping the packet. [char] identifies the reason.

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-3-PKTRECVFAIL: Failed to receive packet - [chars]

**Explanation** Failed to receive packet. [char] identifies the reason.

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-3-PKTSENDFAIL: Failed to send packet, - [chars]

**Explanation** Failed to send packet. [char] identifies the reason.

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-3-SOCKBINDFAIL: Failed to bind to raw socket - [chars]

**Explanation** Failed to bind to socket. [char] identifies the reason.

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-3-SOCKOPENFAIL: Failed to open socket for receiving DHCP packets - [chars]

**Explanation** An attempt to open a socket for receiving DHCP packets failed. [char] identifies the reason.

**Recommended Action** No action is required.

## DHCP\_SNOOP-4

**Message** DHCP\_SNOOP-4-ACL\_DENY: [dec] Invalid ARP messages ([chars]) on [chars], vlan [dec]. ([[chars]/[chars]/[chars]/[chars]/[chars]])

**Explanation** Packet-count [dec] Invalid ARPs (arp-type [chars]) on interface [chars], vlan [dec]. ([sender-mac [chars]/sender-ip [chars]/ target-mac [chars]/target-ip [chars]/ time-of-day [chars]])

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-4-DHCP\_SNOOPING\_DENY: [dec] Invalid ARP messages ([chars]) on [chars], vlan [dec]. ([[chars]/[chars]/[chars]/[chars]/[chars]])

**Explanation** Packet-count [dec] Invalid ARPs (arp-type [chars]) on interface [chars], vlan [dec]. ([sender-mac [chars]/sender-ip [chars]/ target-mac [chars]/target-ip [chars]/ time-of-day [chars]])

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-4-ERROR\_DISABLED: Interface [chars] has moved to error disabled state due to excessive rate [dec] of ingress ARP packets

**Explanation** Interface [chars] has moved to error disabled state due to excessive rate [dec] of ingress ARP packets

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-4-INVALID\_ARP: [dec] Invalid ARP messages ([chars]) on [chars], vlan [dec]. ([[chars]/[chars]/[chars]/[chars]/[chars]])

**Explanation** Packet-count [dec] Invalid ARPs (arp-type [chars]) on interface [chars], vlan [dec]. ([sender-mac [chars]/sender-ip [chars]/ target-mac [chars]/target-ip [chars]/ time-of-day [chars]])

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-4-SMARTRELAYMAXIPADDR: Smart relay is supported only on first [dec] IP addresses of the interface [chars].

**Explanation** There are more than SMARTRELAYMAXIPADDR addresses configured on the interface. [dec] is the number of IP addresses with which smart relay supported [chars] identifies the interface. This is an informational message.

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-4-SMARTRELAYMAXLMT: Smart relay MAX limit [dec] reached. All subsequent DHCP packets will be relayed with primary address of inbound interface as relay agent address.

**Explanation** Smart relay MAX limit reached. [dec] is the number of smart relay bindings This is an informational message.

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-4-SUBNETBCASTRELAYMAXIPADDR: subnet-broadcast relay is supported only on first [dec] IP addresses of the interface [chars].

**Explanation** There are more than SUBNETBCASTRELAYMAXIPADDR addresses configured on the interface. [dec] is the number of IP addresses with which subnet-broadcast relay supported [chars] identifies the interface. This is an informational message.

**Recommended Action** No action is required.

## DHCP\_SNOOP-5

**Message** DHCP\_SNOOP-5-ACL\_PERMIT: [dec] ARP messages ([chars]) on [chars], vlan [dec]. ([[chars]/[chars]/[chars]/[chars]/[chars]])

**Explanation** Packet-count [dec] ARPs (arp-type [chars]) on interface [chars], vlan [dec]. ([sender-mac [chars]/sender-ip [chars]/ target-mac [chars]/target-ip [chars]/ time-of-day [chars]])

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-5-DHCPHOSTADD: A new Host is [chars] connected to interface [chars] in VLAN [dec] and is allocated IP address [chars] for [dec] secs.

**Explanation** A Host identified by [chars] has been added. [chars] identifies the interface. [dec] identifies the VLAN. [chars] identifies IP address. [dec] identifies the lease time in secs. This is an informational message.

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-5-DHCPLEASEEXPIRE: Lease expired for host [chars] having IP address [chars] connected to interface [chars] in VLAN [dec] for lease [dec] secs.

**Explanation** The lease for host identified by [chars] with IP address [chars] connected to interface [chars] in VLAN [dec] with lease [dec] has expired.

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-5-DHCP\_SNOOPING\_PERMIT: [dec] ARP messages ([chars]) on [chars], vlan [dec]. ([[chars]/[chars]/[chars]/[chars]/[chars]])

**Explanation** Packet-count [dec] ARPs (arp-type [chars]) on interface [chars], vlan [dec]. ([sender-mac [chars]/sender-ip [chars]/ target-mac [chars]/target-ip [chars]/ time-of-day [chars]])

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-5-VLANDISABLE: DHCP Snooping disabled on vlan [dec]

**Explanation** DHCP Snooping was disabled on a given vlan. [dec] is the VLAN-ID that identifies the vlan. This is an informational message.

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-5-VLANENABLE: DHCP Snooping enabled on vlan [dec]

**Explanation** DHCP Snooping was enabled on a given vlan. [dec] is the VLAN-ID that identifies the vlan. This is an informational message.

**Recommended Action** No action is required.

## DHCP\_SNOOP-6

**Message** DHCP\_SNOOP-6-DAIVLANDISABLE: DAI disabled on vlan [dec]

**Explanation** Dynamic ARP Inspection was disabled on a given vlan. [dec] is the VLAN-ID that identifies the vlan. This is an informational message.

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-6-DAIVLANENABLE: DAI enabled on vlan [dec]

**Explanation** Dynamic ARP Inspection was enabled on a given vlan. [dec] is the VLAN-ID that identifies the vlan. This is an informational message.

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-6-DHCPBINDSYNC: Binding entry with MAC [chars] interface [chars] VLAN [dec] IP address [chars] and lease time [dec] secs is synced.

**Explanation** Binding entry identified by [chars] has been synced. [chars] identifies the interface. [dec] identifies the VLAN. [chars] identifies IP address. [dec] identifies the lease time in secs. This is an informational message.

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-6-DHCPEXIT: DHCP Daemon shutting down gracefully.

**Explanation** DHCP Daemon is shutting down gracefully. This is an informational message.

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-6-DHCPPERMITTEDARP: ARP frame permitted due to DHCP snooping binding on interface [chars] vlan [dec] sender mac [chars] sender ip [chars] target mac [chars] target ip [chars].

**Explanation** [chars] identifies interface and [dec] identifies the vlan on which ARP packets have been permitted. [chars] identifies sender mac and [chars] identifies the sender ip. [chars] identifies the target mac and [chars] identifies the target ip.

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-6-DHCPPKTFWD: Gracefully forwarding DHCP packet. Reason: [chars]

**Explanation** Gracefully forwarding DHCP packet. reason [chars]

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-6-DHCPUP: DHCP Daemon Up.

**Explanation** DHCP Daemon was created successfully and is up and running. This is an informational message.

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-6-INFO: [chars]

**Explanation** An event during switchover. [chars] explains the reason for the failure.

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-6-INTFDISABLE: IP Src Guard disabled on intf [chars]

**Explanation** IP Src Guard was disabled on a given intf. [chars] is the intf-ID string that identifies the intf. This is an informational message.

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-6-INTFENABLE: IP Src Guard enabled on intf [chars]

**Explanation** IP Src Guard was enabled on a given intf. [chars] is the intf-ID string that identifies the intf. This is an informational message.

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-6-NONDHCPPKTFWD: Non DHCP packet with src port:[dec] dst port:[dec] on intf:[chars] vlan:[dec]. Forwarding on [chars]

**Explanation** Non DHCP packet arrived with UDP src/dst ports [dec], [dec] on interface [chars], vlan [dec]. Forwarding the packet on [chars]

**Recommended Action** No action is required.

**Message** DHCP\_SNOOP-6-OPT82INSTFAIL: [chars] [chars]

**Explanation** Insertion of Option82 sub options failed. [chars] tells the failure. [chars] explains the reason for failure. This is an informational message.

**Recommended Action** No action is required.

## DIAGCLIENT Messages

This section contains the DIAGCLIENT messages.

### DIAGCLIENT-2

**Message** DIAGCLIENT-2-DIAG\_BOOTUP\_COMPLETE: Module <[dec]

**Explanation** Bootup Test completed

**Recommended Action** Nothing to be done if the test reports SUCCESS otherwise copy the Message exactly as it appears on the console, gather the output of show tech-support, and contact your Cisco technical support representative with the gathered information

**Message** DIAGCLIENT-2-EEM\_ACTION\_HM\_SHUTDOWN: Test <[chars]

**Explanation** Informational Syslog

**Recommended Action** No action is required.

**Message** DIAGCLIENT-2-PSS\_READ\_FAILURE: Read from PSS failed on Module <[dec]

**Explanation** Read operation from PSS store failed

**Recommended Action** No action is required.

**Message** DIAGCLIENT-2-PSS\_WRITE\_FAILURE: Write to PSS failed on Module <[dec]

**Explanation** Write operation on PSS store failed

**Recommended Action** No action is required.

## DIAGCLIENT-3

**Message** DIAGCLIENT-3-ONDEMAND\_FAIL\_EXCESS: Module <[dec]

**Explanation** Ondemand test has failed more than configured number of times

**Recommended Action** Copy the Message exactly as it appears on the console, gather the output of show tech-support, and contact your Cisco technical support representative with the gathered information

## DIAGCLIENT-4

**Message** DIAGCLIENT-4-LC\_OFFLINE\_FOR\_CURR\_SLOT: Received LC offline event for the current slot: [dec]. Ignoring it

**Explanation** Informational Syslog

**Recommended Action** No action is required.

**Message** DIAGCLIENT-4-MTS\_SEND\_FAILURE: MTS send failed, mts\_opc: [chars], dest slot: [dec], dest SAP: [dec], error-id: [hex]

**Explanation** MTS send reports failure

**Recommended Action** No action is required.

## DIAGCLIENT-5

**Message** DIAGCLIENT-5-CALLOC\_FAILURE: Memory allocation failed

**Explanation** DiagClient process could not allocate memory

**Recommended Action** No action is required.

**Message** DIAGCLIENT-5-DIAG\_ONDEMAND\_TEST\_FINISH: Module [dec]: Ondemand test [chars] finished

**Explanation** Informational Syslog

**Recommended Action** No action is required.

**Message** DIAGCLIENT-5-DIAG\_ONDEMAND\_TEST\_START: Module [dec]: Ondemand test [chars] started

**Explanation** Informational Syslog

**Recommended Action** No action is required.

**Message** DIAGCLIENT-5-DIAG\_ONDEMAND\_TEST\_STOP: Module [dec]: Ondemand test [chars] stopped

**Explanation** Informational Syslog

**Recommended Action** No action is required.

**Message** DIAGCLIENT-5-DIAG\_SCHED\_COMPLETE: Module <[dec]

**Explanation** A scheduled Test was completed

**Recommended Action** No action is required.

**Message** DIAGCLIENT-5-ONDEMAND\_FAIL: Module <[dec]

**Explanation** The specified test has reported FAILURE in this Iteration

**Recommended Action** No action is required.

**Message** DIAGCLIENT-5-ONDEMAND\_SUCCESS: Module <[dec]

**Explanation** The specified test has reported SUCCESS in this Iteration

**Recommended Action** No action is required.

## DIAGCLIENT-7

**Message** DIAGCLIENT-7-DIAG\_HM\_FAIL: Module <[dec]

**Explanation** A Health Monitoring Test has reported failure

**Recommended Action** Ensure the line card is firmly in the slot, re-seat if necessary, and attempt to run the test again if the line card is not seated properly in the slot. If the line card was properly seated in the slot, copy the Message exactly as it appears on the console, gather the output of show tech-support, and contact your Cisco technical support representative with the gathered information.



**Message** DIAGCLIENT-7-PER\_PORT\_TEST\_FAIL: Module <[dec]

**Explanation** Per Port Test has failed on the above all ports

**Recommended Action** No action is required.

## DIAGMGR Messages

This section contains the DIAGMGR messages.

### DIAGMGR-2

**Message** DIAGMGR-2-MTS\_SEND\_FAILURE: MTS send failed, mts\_opc: [chars], dest slot: [dec], dest SAP: [dec], error-id: [hex]

**Explanation** MTS send reports failure

**Recommended Action** No action is required.

**Message** DIAGMGR-2-PSS\_DELETE\_FAILURE: Read from PSS failed on Module <[dec]

**Explanation** Read operation from PSS store failed

**Recommended Action** No action is required.

**Message** DIAGMGR-2-PSS\_WRITE\_FAILURE: Write to PSS failed on Module <[dec]

**Explanation** Write operation on PSS store failed

**Recommended Action** No action is required.

### DIAGMGR-3

**Message** DIAGMGR-3-DIAG\_MAJOR\_DEFECT: Module <[dec]

**Explanation** A major error was detected during diagnostic testing

**Recommended Action** Re-seat the card and retry the test. If the same result occurs after re-seating the card and retrying the test, copy the Message exactly as it appears on the screen and gather the output of show tech-support and any other relevant information. Contact your technical support representative with the gathered information.

**Message** DIAGMGR-3-DIAG\_MINOR\_DEFECT: Module <[dec]

**Explanation** A minor error was detected during diagnostic testing

**Recommended Action** Re-seat the card and retry the test. If the same result occurs after re-seating the card and retrying the test, copy the Message exactly as it appears on the screen and gather the output of show tech-support and any other relevant information. Contact your technical support representative with the gathered information

**Message** DIAGMGR-3-GET\_CURR\_SLOT\_FAIL: Failed to get the current slot for the process. Error:[chars]

**Explanation** The process initialization failed to get the current slot.

**Recommended Action** This is an informational message stating that a process initialization failure.

## DIAGMGR-4

**Message** DIAGMGR-4-CURR\_SLOT\_OFFLINE: Received an LC offline event for the current slot:[dec]. Ignoring it

**Explanation** The process received an offline event for the slot it is running. Ignoring it.

**Recommended Action** This is an informational message stating that an unexpected event has been encountered.

**Message** DIAGMGR-4-DISRPT\_TST\_START: Starting Test <[chars]

**Explanation** Starting a Disruptive Test can disturb the systems normal functionality'

**Recommended Action** Reset target module

**Message** DIAGMGR-4-FIXED\_INTRVL\_CHANGED: The users are not allowed to change monitoring interval of Test <[chars]

**Explanation** The specified health monitoring test interval is not user-configurable and therefore cannot be changed

**Recommended Action** Nothing. The specific health monitoring interval is not user- configurable by design so nothing can be done to change the interval

## DIAGMGR-5

**Message** DIAGMGR-5-BOOTUP\_CONF: Diagnostic Bootup Level: <[chars]

**Explanation** Current Diagnostic BootUp Level being configure or changed

**Recommended Action** No action is required.

**Message** DIAGMGR-5-CALLOC\_FAILURE: Memory allocation failure

**Explanation** Memory allocation in a call to malloc/calloc has failed

**Recommended Action** No action is required.

**Message** DIAGMGR-5-CHANGE\_ALWAYS\_HM: Health Monitoring test <[chars]

**Explanation** The specified health monitoring test must be run and cannot be disabled

**Recommended Action** Nothing. The specific health monitoring test cannot be disabled by design. The system is working properly.

**Message** DIAGMGR-5-HM\_START: Health monitoring test <[chars]

**Explanation** Health Monitoring Test started

**Recommended Action** No action is required.

**Message** DIAGMGR-5-HM\_STOP: Disabling health monitoring test <[chars]

**Explanation** Health Monitoring Test has been stopped It can be enabled through the diagnostic monitor command

**Recommended Action** No action is required.

**Message** DIAGMGR-5-INTRVL\_INCORRECT: Monitoring Interval is less than minimum of [dec] seconds required for Module <[dec]

**Explanation** Health Monitoring cannot be enabled for the specified test because the interval for the test has been incorrectly set

**Recommended Action** The system is working properly and no user action is required. If you want to specify a smaller testing interval, the Message text provides the lowest possible configurable interval for the specified monitoring interval

**Message** DIAGMGR-5-MODULE\_MISSING: Diagnostic command issued on non-existing Module <[dec]

**Explanation** A line card could not be located in a slot where a diagnostic action was requested

**Recommended Action** Ensure the targeted line card is properly seated in the specified slot. If the line card is properly seated, ensure the correct slot was indicated in the command-line interface. If the line card is well-seated and the correct slot was specified, copy the Message exactly as it appears on the screen as well as the output of show tech-support and paste the output into a separate file. Contact your technical support representative with the gathered information

**Message** DIAGMGR-5-NONHM\_AS\_HM: The Test <[chars]

**Explanation** Non-HM test cannot be scheduled to run as a Health Monitoring test

**Recommended Action** No action is required.

## DIAGMGR-6

**Message** DIAGMGR-6-BOOTUP\_DIAG\_OK: Module <[dec]

**Explanation** The diagnostic tests did not detect any error on the card.

**Recommended Action** This is an informational message stating that the line card passed the diagnostic tests.

**Message** DIAGMGR-6-BOOTUP\_TEST\_STARTED: Module <[dec]

**Explanation** Starting bootup testing for above module

**Recommended Action** No action is required.

## DIAG\_PORT\_LB Messages

This section contains the DIAG\_PORT\_LB messages.

### DIAG\_PORT\_LB-2

**Message** DIAG\_PORT\_LB-2-DIAG\_PORT\_LB\_FABRIC\_FAILURE: Module:[dec] Test:[chars] failed [dec] consecutive times due to faulty fabric [dec]. Error:[chars]

**Explanation** GOLD test detected faulty fabric

**Recommended Action** Fabric failure, no corrective action needed (message for reload/power-down of faulty fabric), contact TAC for further action.

**Message** DIAG\_PORT\_LB-2-DIAG\_PORT\_LB\_FAIL\_NO\_ACTION: Module:[dec] Test:[chars] failed [dec] consecutive times. No action taken due to [chars]

**Explanation** GOLD test failed due to faulty ports.

**Recommended Action** Port failure, unable to identify the faulty device. No corrective action possible, contact TAC for further action.

**Message** DIAG\_PORT\_LB-2-DIAG\_PORT\_LB\_PORT\_FAILURE: Module:[dec] Test:[chars] failed [dec] consecutive times due to faulty port(s):[chars] Error:[chars]. Error disabling ports

**Explanation** GOLD test failed due to faulty ports.

**Recommended Action** Port failure, no corrective action needed as affected ports are error disabled. Contact TAC for further action.

**Message** DIAG\_PORT\_LB-2-DIAG\_PORT\_LB\_SUP\_SWOVR\_FAIL: Module:[dec] Test:[chars] failed [dec] consecutive times due to faulty supervisor. Error:[chars]. Supervisor switchover failed due to [hex]

**Explanation** GOLD test failed due to faulty supervisor. Recovery not possible.

**Recommended Action** Active sup failure, no corrective action needed (switchover to redundant sup failed), contact TAC for further action.

**Message** DIAG\_PORT\_LB-2-DIAG\_PORT\_LB\_SUP\_SWOVR: Module:[dec] Test:[chars] failed [dec] consecutive times due to faulty supervisor. Error:[chars]. Triggering supervisor switchover to recover

**Explanation** GOLD test failed due to faulty supervisor. Doing Switchover to recover.

**Recommended Action** Active sup failure, no corrective action needed (message for switchover to redundant sup), contact TAC for further action.

**Message** DIAG\_PORT\_LB-2-FIPS\_RANDOM\_ERROR: Random Number Generation Failure

**Explanation** Random Number generation failed in FIPS module

**Recommended Action** No corrective action needed (message for FIPS mode failure), contact TAC for further action.

**Message** DIAG\_PORT\_LB-2-INT\_PORT\_LOOPBACK\_TEST\_FAIL: Module:[dec] Test:Internal PortLoopback failed [dec] consecutive times. Faulty module:[chars] [chars] Error:[chars]

**Explanation** Internal Port Loopback test failed on the module consecutively.

**Recommended Action** Contact TAC. Immediate corrective action depends on failure reason/error:

- For sup tx/rx issues--Perform sup switchover if possible.
- For fabric issues--Power down faulty fabric card
- For port failure--If normal traffic is impacted, shut down affected ports mapped to failed ASIC.

**Message** DIAG\_PORT\_LB-2-LCM\_RESP\_SEND\_FAILURE: LC Inserted request response send to Module Manager failed. Error:[chars]

**Explanation** Failed to send the response for LC insertion to Module Manager.

**Recommended Action** No user action is needed, contact TAC.

**Message** DIAG\_PORT\_LB-2-LIF\_GET\_ERROR: [chars] ([dec]) [chars] Error:[chars]

**Explanation** Port Loopback test process failed to get Diagnostic LIF ID.

**Recommended Action** No user action needed, contact TAC.

**Message** DIAG\_PORT\_LB-2-MALLOC\_FAILURE: [chars] ([dec]) Memory allocation failed.

**Explanation** Port Loopback test process could not allocate memory.

**Recommended Action** No user action needed, contact TAC.

**Message** DIAG\_PORT\_LB-2-PORTLOOPBACK\_TEST\_FAIL: Module:[dec] Test:PortLoopback failed [dec] consecutive times. Faulty module:[chars] [chars] Error:[chars]

**Explanation** Port Loopback test failed on the module consecutively

**Recommended Action** Contact TAC. Immediate corrective action depends on failure reason/error:

- For sup tx/rx issues--Perform sup switchover if possible.
- For fabric issues--Power down faulty fabric card
- For port failure--If normal traffic is impacted, shut down affected ports mapped to failed ASIC.

**Message** DIAG\_PORT\_LB-2-PROC\_INIT\_FAILURE: [chars] ([dec]) [chars] Error:[chars]

**Explanation** Port Loopback test process failed in process initialization

**Recommended Action** No user action is needed, contact TAC.

**Message** DIAG\_PORT\_LB-2-REWRITE\_ENGINE\_LOOPBACK\_TEST\_FAIL: Module:[dec] Test:RewriteEngine Loopback failed [dec] consecutive times. Faulty module:[chars] [chars] Error:[chars]

**Explanation** Rewrite Engine Port Loopback test failed on the module consecutively

**Recommended Action** Contact TAC. Immediate corrective action depends on failure reason/error:

- For sup tx/rx issues--Perform sup switchover if possible.
- For fabric issues--Power down faulty fabric card
- For port failure--If normal traffic is impacted, shut down affected ports mapped to failed ASIC.

## DIAG\_PORT\_LB-3

**Message** DIAG\_PORT\_LB-3-DIAG\_FWD\_PATH\_SETUP\_FAILURE: [chars]. Module:[dec]  
Error:[chars].

**Explanation** Forwarding path setup for port loopback tests failed

**Recommended Action** No user action needed, contact TAC.

**Message** DIAG\_PORT\_LB-3-DIAG\_PKT\_SEND\_FAILURE: [chars]([dec]) [chars].  
Error:[chars]

**Explanation** Port Loopback test process failed to send loopback packets.

**Recommended Action** No user action needed, contact TAC.

**Message** DIAG\_PORT\_LB-3-FSM\_LIB\_ERROR: [chars]([dec]) [chars]. Error:[chars]

**Explanation** Port Loopback test process failed in MTS API.

**Recommended Action** No user action needed, contact TAC.

**Message** DIAG\_PORT\_LB-3-GET\_DIAG\_BD\_FAIL: [chars]([dec]) Failed to get the BD for  
Diag VLAN:[dec]. Error:[chars].

**Explanation** Failed to get the BD corresponding to the Diag VLAN

**Recommended Action** No user action needed, contact TAC.

**Message** DIAG\_PORT\_LB-3-IFINDEX\_LIB\_FAILURE: [chars]([dec]) [chars] [chars]:[hex]  
[chars] [chars]

**Explanation** Port Loopback test process failed in if\_index library API

**Recommended Action** No user action needed, contact TAC.

**Message** DIAG\_PORT\_LB-3-INVALID\_TEST\_REQUEST: [chars]([dec]) [chars]:[dec]

**Explanation** Port Loopback test process failed to send loopback packets.

**Recommended Action** No user action needed, contact TAC.

**Message** DIAG\_PORT\_LB-3-INVALID\_TEST\_RUN: [chars]([dec]) [chars]:[dec]

**Explanation** Port Loopback test process failed to get the current test run information

**Recommended Action** No user action needed, contact TAC.

**Message** DIAG\_PORT\_LB-3-PDB\_LIB\_API\_ERROR: Failed to [chars]. Error:[dec].

**Explanation** The port loopback test was not able to get chassis info

**Recommended Action** No user action needed, contact TAC.

**Message** DIAG\_PORT\_LB-3-PIXM\_LIB\_ERROR: [chars] ([dec]) Failed to convert [chars]:[hex] to [chars]. Error:[chars]

**Explanation** Port Loopback test process failed to convert port if index

**Recommended Action** No user action needed, contact TAC.

**Message** DIAG\_PORT\_LB-3-PORT\_CLIENT\_LIB\_ERROR: [chars] ([dec]) [chars]. Error: [chars]

**Explanation** Port Loopback test process failed in Port Client API.

**Recommended Action** No user action needed, contact TAC.

**Message** DIAG\_PORT\_LB-3-RESULT\_ADD\_FAILURE: [chars] ([dec]) [chars]: [dec]

**Explanation** Port Loopback test process failed to add the port test result

**Recommended Action** No user action needed, contact TAC.

**Message** DIAG\_PORT\_LB-3-RESULT\_SEND\_FAILURE: [chars] ([dec]) [chars]

**Explanation** Port Loopback test process failed to send the test results

**Recommended Action** No user action needed, contact TAC.

**Message** DIAG\_PORT\_LB-3-RW\_ENGINE\_LOOPBACK\_TEST\_SPINE\_PATH\_FAIL: Module:[dec] Test: Rewrite Engine Loopback Spine path: [dec] failed [dec] consecutive times. Error: [chars]

**Explanation** Rewrite Engine Loopback test failed on the spine path consecutively

**Recommended Action** Power-down affected fabric cards, contact TAC.

**Message** DIAG\_PORT\_LB-3-SOCKET\_ERROR: [chars] ([dec]) [chars] Error: [chars]

**Explanation** Port Loopback test process failed in socket operations

**Recommended Action** No user action needed, contact TAC.



**Message** DIAG\_PORT\_LB-3-STATS\_LIB\_ERROR: [chars] ([dec]) [chars]: [dec]

**Explanation** Port Loopback test process failed in stats infra lib API.

**Recommended Action** No user action needed, contact TAC.

**Message** DIAG\_PORT\_LB-3-TEST\_RES\_SEND\_FAIL: Failed to send [chars] test results back to Diagnostics Infrastructure. Error: [chars].

**Explanation** The Port Loopback test was not able to send the test results.

**Recommended Action** No user action needed, contact TAC.

**Message** DIAG\_PORT\_LB-3-TIMER\_LIB\_ERROR: [chars] ([dec]) [chars]

**Explanation** Port Loopback test process timer handling failure.

**Recommended Action** No user action needed, contact TAC.

**Message** DIAG\_PORT\_LB-3-VLAN\_ERROR: [chars] ([dec]) [chars] Error: [chars]

**Explanation** Port Loopback test process failed to get Diagnostic VLAN info

**Recommended Action** No user action needed, contact TAC.

**Message** DIAG\_PORT\_LB-3-VQI\_GET\_FAIL: Failed to get the Diag VQI from XBM. Error: [chars]

**Explanation** Rewrite Engine Loopback test failed in socket operations.

**Recommended Action** No user action needed, contact TAC.

**Message** DIAG\_PORT\_LB-3-XBM\_CFG\_REQ\_FAIL: Failed to configure the XBAR mask while running the RewriteEngineLoopback test. Error:[chars]. Module:[dec] could have gone offline

**Explanation** Rewrite Engine Loopback test failed to set the XBAR mask while running the test. The target module could have gone offline.

**Recommended Action** No user action needed, contact TAC.

## DIAG\_PORT\_LB-4

**Message** DIAG\_PORT\_LB-4-MTS\_LIB\_ERROR: [chars] ([dec]) [chars]. Warning: [chars]

**Explanation** Port Loopback test process failed in MTS API.

**Recommended Action** No action is required (message for MTS error).

**Message** DIAG\_PORT\_LB-4-PORT\_CFG\_REQ\_SEND: [chars] ([dec]) Failed to send request to configure port if index: [dec] for port loopback test

**Explanation** Failed to configure/restore the port to do/cleanup port loopback testing

**Recommended Action** No action is required.

## DIAG\_PORT\_LB-5

**Message** DIAG\_PORT\_LB-5-DIAG\_PORT\_LB\_DISABLED: DIAG\_PORT\_LB Disabled

**Explanation** DIAG\_PORT\_LB Service Disabled

**Recommended Action** No action is required (config change notification message).

**Message** DIAG\_PORT\_LB-5-DIAG\_PORT\_LB\_ENABLED: DIAG\_PORT\_LB Enabled

**Explanation** DIAG\_PORT\_LB Service enabled

**Recommended Action** No action is required (config change notification message).

## DMM Messages

This section contains the DMM messages.

### DMM-SLOT#-2

**Message** DMM-SLOT#-2-DMM\_LOG: [chars]

**Explanation** Temp main log

**Recommended Action** No action is required.

### DMM-SLOT#-5

**Message** DMM-SLOT#-5-LOG\_ERR\_DMM\_NEW\_NPORT\_SRVR\_ZONE: Job Id:%Ld VSAN:[dec] New N-Port FCID:[hex] Server FCID:[hex] are in the same zone. ALERT!!

**Explanation** A New N-Port has come up which is zoned in the same zone as the Server

**Recommended Action** No action is required.

**Message** DMM-SLOT#-5-LOG\_ERR\_DMM\_NEW\_NPORT\_STG\_ZONE: Job Id:%Ld VSAN:[dec] New N-Port FCID:[hex] Storage FCID:[hex] are in the same zone. ALERT!!

**Explanation** A New N-Port has come up which is zoned in the same zone as the Storage

**Recommended Action** No action is required.

**Message** DMM-SLOT#-5-LOG\_ERR\_DMM\_SRVR\_RSCN: Job Id:%Ld Server N-Port pWWN:0x%Lx [chars]

**Explanation** An RSCN event was received for the Server associated with a Job

**Recommended Action** No action is required.

**Message** DMM-SLOT#-5-LOG\_ERR\_DMM\_STG\_RSCN: Job Id:%Ld N-Port pWWN:0x%Lx Storage:[chars] [chars]

**Explanation** An RSCN event was received for the Storage associated with a Job

**Recommended Action** No action is required.

**Message** DMM-SLOT#-5-LOG\_EV\_DMM\_JOB\_COMPLETE: Job Id:%Ld NumSession:[dec]

**Explanation** Event indicating the completion of a Data Migration Job

**Recommended Action** No action is required.

**Message** DMM-SLOT#-5-LOG\_EV\_DMM\_JOB\_ERROR\_LOST\_SSM\_PEER\_CONNECTION: Job Id:%Ld NumSession:[dec]

**Explanation** Event indicating the Suspension of Data Migration Job due to loss in ip connectivity to peer SSM

**Recommended Action** No action is required.

**Message** DMM-SLOT#-5-LOG\_EV\_DMM\_JOB\_ERROR: Job Id:%Ld NumSession:[dec]

**Explanation** Event indicating the Suspension of Data Migration Job

**Recommended Action** No action is required.

**Message** DMM-SLOT#-5-LOG\_EV\_DMM\_JOB\_FINISH: Job Id:%Ld NumSession:[dec]

**Explanation** Event indicating Finish-request for a Method-2 Data Migration Job

**Recommended Action** No action is required.

**Message** DMM-SLOT#-5-LOG\_EV\_DMM\_JOB\_START: Job Id:%Ld NumSession:[dec]

**Explanation** Event indicating the start of a Data Migration Job

**Recommended Action** No action is required.

**Message** DMM-SLOT#-5-LOG\_EV\_DMM\_JOB\_STOP: Job Id:%Ld NumSession:[dec]

**Explanation** Event indicating that the Data Migration Job was stopped by Administrator

**Recommended Action** No action is required.

**Message** DMM-SLOT#-5-LOG\_EV\_DMM\_JOB\_TCP\_CONNECTION\_DOWN: Job Id:%Ld lost connection to peer [chars]. Job may be RESET

**Explanation** Event indicating IP Connectivity loss to peer SSM. Affected Job maybe be RESET

**Recommended Action** No action is required.

**Message** DMM-SLOT#-5-LOG\_EV\_DMM\_JOB\_VERIFY\_COMPLETE: Job Id:%Ld NumSession:[dec]

**Explanation** Event indicating the completion of a Data Migration Job Verification

**Recommended Action** No action is required.

**Message** DMM-SLOT#-5-LOG\_EV\_DMM\_JOB\_VERIFY\_ERROR: Job Id:%Ld NumSession:[dec]

**Explanation** Event indicating the Suspension of Data Migration Job Verification due to an error

**Recommended Action** No action is required.

**Message** DMM-SLOT#-5-LOG\_EV\_DMM\_JOB\_VERIFY\_START: Job Id:%Ld NumSession:[dec]

**Explanation** Event indicating the start of a Data Migration Job Verification

**Recommended Action** No action is required.

**Message** DMM-SLOT#-5-LOG\_EV\_DMM\_JOB\_VERIFY\_STOP: Job Id:%Ld NumSession:[dec]

**Explanation** Event indicating the Suspension of Data Migration Job Verification by the user

**Recommended Action** No action is required.

## DOT1X Messages

This section contains the DOT1X messages.

## DOT1X-2

**Message** DOT1X-2-DOT1X\_INIT: Dot1x unable to start

**Explanation** The system failed to create the Dot1x process

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## DOT1X-3

**Message** DOT1X-3-DOT1X\_ENABLE\_STATIC\_MAC\_FOUND: Static mac found on an interface [chars], dot1x enable failed in ethpm pre-cfg

**Explanation** Dot1x is not supported on an interface which is configured with static mac entries

**Recommended Action** Remove the static mac entry on the interface

**Message** DOT1X-3-ERR\_SPANDST: It is configured as a SPAN Dest port.

**Explanation** Dot1x and SPAN destination ports are mutually exclusive features.

**Recommended Action** Disable SPAN destination port configuration first before reconfiguring Dot1x on the port.

**Message** DOT1X-3-INVALID\_INPUT: Invalid on interface [chars].

**Explanation** The Dot1x interface parameter is out of the specified range or is invalid.

**Recommended Action** Refer to the CLI help documentation to determine the valid 802.1x parameters.

**Message** DOT1X-3-MEM\_UNAVAIL: perform the 802.1X action.

**Explanation** Insufficient system memory is available to perform the Dot1x Authentication.

**Recommended Action** Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

**Message** DOT1X-3-NOT\_DOT1X\_CAPABLE: [chars].

**Explanation** Dot1x Authentication can only be enabled on physical Ethernet interfaces.

**Recommended Action** Enable Dot1x Authentication on physical Ethernet interfaces only.

**Message** DOT1X-3-SECURE\_MAC\_INSERT\_FAILED: address [chars] could not be secured on interface [chars]

**Explanation** The interface specified in the Message could not secured supplicant mac. The port has been Error disabled.

**Recommended Action** Mac address could not be added into mac address table. Enter the <Cmd

**Message** DOT1X-3-SECURITY\_VIOLATION: New MAC address [chars] is seen on interface [chars] in [chars] mode

**Explanation** The port on the interface specified in the Message is configured in single host mode. Any new host that is detected on the interface is treated as a security violation. The port has been Error disabled.

**Recommended Action** Ensure that the port is configured to use only one host. Enter the <Cmd

**Message** DOT1X-3-SM\_INIT: Internal error while initializing state machine [chars], state [chars]: [chars]

**Explanation** An attempt was made to initialize an invalid state machine.

**Recommended Action** Initialize dot1x state machine

## DOT1X-4

**Message** DOT1X-4-BADEVENT: Event [chars] is invalid for the current state [chars]: [chars] [chars]

**Explanation** An attempt was made to post an event to a state machine that is invalid for the current state.

**Recommended Action** Initialize dot1x state machine

**Message** DOT1X-4-MAB\_DISABLED\_ON\_PCM: Interface [chars] is a member of portchannel, MAB is not supported on this port

**Explanation** MAB is not supported on portchannel member port

**Recommended Action** To enable MAB make sure that port is not member of portchannel

**Message** DOT1X-4-MAB\_DISABLED: Interface [chars] is in Trunk mode, MAB is not supported on this port

**Explanation** MAB is not supported on Trunk port

**Recommended Action** To enable MAB make sure that port is not in trunk mode

**Message** DOT1X-4-MULTIHOST\_ON\_PCM: Interface [chars] is a member of portchannel, dot1x host mode will be multi-host and changing it to single-host mode wont be supported'

**Explanation** Current Port is a member of portchannel, so dot1x host mode has to be in multi-host mode.

**Recommended Action** To change host mode, ensure that port is not a member of portchannel

**Message** DOT1X-4-PSEC\_ON\_PCM: Interface [chars] is a member port or portchannel interface with port security configuration

**Explanation** Dot1x is not supported on member ports or port channel with port security configuration

**Recommended Action** Remove port security configuration on the member port or port channel interface

**Message** DOT1X-4-STOPPED: Event [chars] ignored because the state machine is stopped: [chars] [chars]

**Explanation** An attempted was made to post an event to a state machine that has already been stopped.

**Recommended Action** An internal error has occurred with the state machine. The traceback should indicate the guilty party.

**Message** DOT1X-4-TO\_MULTIHOST: Interface [chars] is in trunk mode, dot1x host mode will be multi-host and changing it to single-host mode wont be supported'

**Explanation** Current Port is in trunk mode, so dot1x host mode has to be in multi-host mode.

**Recommended Action** To change host mode, ensure that port is not in trunk mode

## DOT1X-5

**Message** DOT1X-5-DOT1X\_DISABLED: dot1x Disabled

**Explanation** Dot1x Service Disabled

**Recommended Action** No action is required.

**Message** DOT1X-5-DOT1X\_ENABLED: dot1x Enabled

**Explanation** Dot1x Service Enabled

**Recommended Action** No action is required.

**Message** DOT1X-5-DOT1X\_NOTIF: [chars]

**Explanation** Dot1x Notification

**Recommended Action** No action is required.

**Message** DOT1X-5-INVALID\_MAC: broadcast or multicast mac address) [chars] is trying to authenticate.

**Explanation** Authentication using 802.1x is not allowed for zero, broadcast, and multicast source MAC addresses.

**Recommended Action** Connect a Dot1x supported Host to the Dot1x enabled port.

**Message** DOT1X-5-PAC\_STATUS: PAC provisioning for the server [chars] through the vrf [chars] [chars]

**Explanation** PAC provisioning status

**Recommended Action** No action is required.

**Message** DOT1X-5-SESSION\_CREATION: Dot1x authentication session initiated in interface [chars] using authentication method [chars]

**Explanation** Dot1x authentication session has been created after successful authentication of supplicant

**Recommended Action** No action is required.

**Message** DOT1X-5-SESSION\_TERMINATION: Dot1x authentication session in interface [chars] using authentication method [chars] is terminated because of [chars] and port moved to [chars] state

**Explanation** Dot1x authentication session has been terminated

**Recommended Action** No action is required.

**Message** DOT1X-5-STATUS: Dot1x interface [chars] status changed from [chars] to [chars]

**Explanation** Dot1x authenticator has changed its internal state

**Recommended Action** No action is required.



## DOT1X-6

**Message** DOT1X-6-NOT\_DOT1X\_CAPABLE\_SAT\_FABRIC: [chars].

**Explanation** Dot1x Authentication can only be enabled on physical Ethernet interfaces.

**Recommended Action** Enable Dot1x Authentication on physical Ethernet interfaces only.

## DPP\_DEBUG Messages

This section contains the DPP\_DEBUG messages.

### DPP\_DEBUG-2

**Message** DPP\_DEBUG-2-DPP\_CRIT: [DPP[dec]] [chars]

**Explanation** A DPP generated a critical message

**Recommended Action** No action is required.

## DPVM Messages

This section contains the DPVM messages.

### DPVM-2

**Message** DPVM-2-ALLOC\_FAILED: Memory allocation failed for size:[dec] for [chars]

**Explanation** Memory allocation failed for size [dec] for [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DPVM-2-DPVM\_DUPL\_REJECT: [chars]

**Explanation** Rejected duplicate pwwn query

**Recommended Action** DPVM overwrite-duplicate-pwwn

## DPVM-3

**Message** DPVM-3-DB\_ERR: [chars]

**Explanation** An error occurred during an DPVM database operation. [chars] indicates the reason for the error

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DPVM-3-DDAS\_MODE\_INVALID: [chars]

**Explanation** DDAS mode Invalid. [chars]

**Recommended Action** Flip DDAS mode

**Message** DPVM-3-INIT\_FAIL: [chars]

**Explanation** An error happened during DPVM Initialization. [chars] indicates the reason for failure

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DPVM-3-MTS\_ERR: [chars]

**Explanation** An error occurred in processing of an MTS message. [chars] indicates the error that occurred

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** DPVM-3-PSS\_ERR: [chars]

**Explanation** An error occurred during an DPVM PSS operation. [chars] indicates the PSS operation that caused the error

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## DPVM-4

**Message** DPVM-4-ACTIVATION\_FAIL: [chars]

**Explanation** Activation of DPVM device mappings failed due to [chars]

**Recommended Action** Correct the error and reactivate database again

**Message** DPVM-4-FEATURE\_DISABLED: [chars]

**Explanation** DPVM is unavailable and disabled now

**Recommended Action** No action is required.

## DPVM-6

**Message** DPVM-6-FEATURE\_ENABLED: [chars]

**Explanation** DPVM is available and enabled now

**Recommended Action** No action is required.

**Message** DPVM-6-INFO: [chars]

**Explanation** An event happened that affects DPVM. [chars] indicates the event

**Recommended Action** No action is required.

## DSTATS Messages

This section contains the DSTATS messages.

### DSTATS-2

**Message** DSTATS-2-PSS\_INIT\_FAIL: pss initialization failed due to error: [hex]

**Explanation** DSTATS process pss initialization failure due to error [hex].

**Recommended Action** Collect more information using command 'showflash'. See pss system error codes for reason.

### DSTATS-3

**Message** DSTATS-3-PSS\_CREATE\_FAIL: pss create runtime database failed due to error: [hex]

**Explanation** DSTATS process pss create runtime database failure due to error [hex].

**Recommended Action** Collect more information using command 'showflash'. See pss system error codes for reason.

**Message** DSTATS-3-PSS\_DELETE\_FAIL: pss delete runtime entry key:[hex] failed due to error: [hex]

**Explanation** DSTATS process pss delete runtime entry key [hex] failure due to error [hex].

**Recommended Action** Collect more information using command 'showflash'. See pss system error codes for reason.

**Message** DSTATS-3-PSS\_MAX\_KEY\_FAIL: pss set runtime max key failed due to error: [hex]

**Explanation** DSTATS process pss set runtime max key failure due to error [hex].

**Recommended Action** Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

**Message** DSTATS-3-PSS\_MAX\_VALUE\_FAIL: pss set runtime max value failed due to error: [hex]

**Explanation** DSTATS process pss set runtime max value failure due to error [hex].

**Recommended Action** Collect more information using command showflash'. See Pss System Error Codes For Reason.'

**Message** DSTATS-3-PSS\_OPEN\_FAIL: pss open runtime database failed due to error: [hex]

**Explanation** DSTATS process pss open runtime database failure due to error [hex].

**Recommended Action** Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

**Message** DSTATS-3-PSS\_RELOAD\_FAIL: pss reload runtime database failed due to error: [hex]

**Explanation** DSTATS process pss reload runtime database failure due to error [hex].

**Recommended Action** Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

**Message** DSTATS-3-PSS\_SNAPSHOT\_DEBUG\_FAIL: pss snapshot runtime debug to uri:[chars] failed due to error: [hex]

**Explanation** DSTATS process pss snapshot of runtime debug to uri [string] failed due to error [hex].

**Recommended Action** Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

**Message** DSTATS-3-PSS\_SNAPSHOT\_FAIL: pss snapshot runtime to uri:[chars] failed due to error: [hex]

**Explanation** DSTATS process pss snapshot of runtime to uri [string] failed due to error [hex].

**Recommended Action** Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

**Message** DSTATS-3-PSS\_STORE\_FAIL: pss store runtime entry key:[hex] val:[hex] failed due to error: [hex]

**Explanation** DSTATS process pss store runtime entry key [hex] value [hex] failure due to error [hex].

**Recommended Action** Collect more information using command 'showflash'. See Pss System Error Codes For Reason.'

## DT\_HELPER Messages

This section contains the DT\_HELPER messages.

### DT\_HELPER-2

**Message** DT\_HELPER-2-MALLOC\_FAILURE: Memory allocation failed

**Explanation** GOLD Test Helper process could not allocate memory

**Recommended Action** No action is required.

## ELTMC Messages

This section contains the ELTMC messages.

### ELTMC-2

**Message** ELTMC-2-MAX\_PORT\_PER\_VLAN: Hit max ports per vlan [dec] count [dec]

**Explanation** ELTM hit a internal error. Collect show tech-support eltm for further analysis.

**Recommended Action** No action is required.

**Message** ELTMC-SLOT#-2-ELTMC\_GENERIC\_DEBUG: [chars]

**Explanation** Logging some generic debugging info

**Recommended Action** No action is required.

**Message** ELTMC-SLOT#-2-ELTMC\_INTERFACE\_INTERNAL\_ERROR: Internal error: [chars]:[chars], collect output of show tech-support eltm

**Explanation** ELTM hit a internal error. Collect show tech-support elm for further analysis.

**Recommended Action** No action is required.

**Message** ELTMC-SLOT#-2-ELTMC\_INTERNAL\_ERROR: Internal error: [chars], collect output of show tech-support elm

**Explanation** ELTM hit a internal error. Collect show tech-support elm for further analysis.

**Recommended Action** No action is required.

**Message** ELTMC-SLOT#-2-ELTMC\_INTF\_NOT\_FOUND: Interface [chars] not found in ELTM database [chars]

**Explanation** ELTM database doesn't have the interface.

**Recommended Action** No action is required.

**Message** ELTMC-SLOT#-2-ELTMC\_INTF\_NOT\_SUPP: Interface [chars] not supported by ELTM [chars]

**Explanation** ELTM doesn't support the interface for the specified operation

**Recommended Action** No action is required.

**Message** ELTMC-SLOT#-2-ELTMC\_INTF\_TO\_LTL: Failed to get LTL for interface [chars] return status [chars]

**Explanation** ELTM Failed to get LTL for interface. Packets received on this interface might not be handled correctly by the forwarding engine

**Recommended Action** No action is required.

**Message** ELTMC-SLOT#-2-ELTMC\_INTF\_TO\_SLOT: Failed to get slot for interface [chars] return status [chars]

**Explanation** ELTM Failed to get Slot for interface. Port-channels and L2 Learning might be effected

**Recommended Action** No action is required.

**Message** ELTMC-SLOT#-2-ELTMC\_L2\_LIF\_ALLOC\_FAIL\_INTF: Failed to allocate L2 LIF entries in forwarding engine for interface [chars]

**Explanation** ELTM Failed to allocate L2 LIF entries in forwarding engine. This will effect Layer 2 and Layer 3 forwarding for the interface

**Recommended Action** No action is required.

**Message** ELTMC-SLOT#-2-ELTMC\_L2\_LIF\_ALLOC\_FAIL\_VDC: Failed to allocate L2 LIF entries in forwarding engine

**Explanation** ELTM Failed to allocate L2 LIF entries in forwarding engine. This will effect Layer 2 and Layer 3 forwarding in this VDC

**Recommended Action** No action is required.

**Message** ELTMC-SLOT#-2-ELTMC\_L2\_LIF\_REALLOC\_FAIL\_INTF: Failed to realloc L2 LIF entries in forwarding engine for interface [chars]

**Explanation** ELTM Failed to allocate L2 LIF entries in forwarding engine. This will effect Layer 2 and Layer 3 forwarding for the interface. ISSU failed for certain interfaces

**Recommended Action** No action is required.

**Message** ELTMC-SLOT#-2-ELTMC\_L3\_INGRESS\_LIF\_ALLOC\_FAIL\_INTF: Failed to allocate L3 Ingress LIF entries in forwarding engine for interface [chars]

**Explanation** ELTM Failed to allocate L3 Ingress LIF entries in forwarding engine. This will effect Layer 3 forwarding for the interface

**Recommended Action** No action is required.

**Message** ELTMC-SLOT#-2-ELTMC\_LDB\_REALLOC\_FAIL: Failed to realloc LDB in forwarding engine for interface [chars] for non-XL linecard

**Explanation** ELTM Failed to allocate L2 LIF entries in forwarding engine. ISSU failed for this VDC. Shutdown the interfaces

**Recommended Action** No action is required.

**Message** ELTMC-SLOT#-2-ELTMC\_LTL\_ISSUE\_EXT\_COMP: Critical LTL clean-up issue (either ETHPM/PIXM) [chars]

**Explanation** LTL wasn't cleaned up either because ETHPM not sending DELETE or PIXM issuing a duplicate LTL

**Recommended Action** No action is required.

**Message** ELTMC-SLOT#-2-ELTMC\_NONXL\_LDB\_REALLOC\_FAIL: Failed to realloc LDB in forwarding engine for certain interfaces for non-XL linecard

**Explanation** ELTM Failed to allocate L2 LIF entries in forwarding engine. ISSU failed for this VDC. Shutdown the interfaces

**Recommended Action** No action is required.

**Message** ELTMC-SLOT#-2-ELTMC\_PVLAN\_XLT\_ADD\_FAIL: Failed to apply translation table add [chars]

**Explanation** ELTM Failed to apply vlan translation table on an interface add

**Recommended Action** No action is required.

**Message** ELTMC-SLOT#-2-ELTMC\_PVLAN\_XLT\_DEL\_FAIL: Failed to apply translation table del [chars]

**Explanation** ELTM Failed to apply vlan translation table on an interface del

**Recommended Action** No action is required.

**Message** ELTMC-SLOT#-2-ELTMC\_RSVD\_VLAN: Failed to get the reserved vlans. Failed with error [chars]

**Explanation** ELTM Failed to get the reserved vlans. This will effect multicast forwarding on SVI interfaces.

**Recommended Action** No action is required.

**Message** ELTMC-SLOT#-2-ELTMC\_VDC\_LIF\_REALLOC\_FAIL: Failed to realloc LDB in forwarding engine for vdc [dec]. Reload VDC after config reduction

**Explanation** ELTM Failed to allocate L2 LIF entries in forwarding engine. ISSU failed for this VDC. Remove the interfaces and then reload VDC

**Recommended Action** No action is required.

**Message** ELTMC-SLOT#-2-ELTMC\_VLAN\_INTERNAL\_ERROR: Internal error: VLAN [dec]:[chars], collect output of show tech-support eltm

**Explanation** ELTM hit a internal error. Collect show tech-support eltm for further analysis.

**Recommended Action** No action is required.

## ELTM Messages

This section contains the ELTM messages.



## ELTM-2

**Message** ELTM-2-INTERFACE\_INTERNAL\_ERROR: Internal error: [chars]:[chars], collect output of show tech-support eltm

**Explanation** ELTM hit a internal error. Collect show tech-support eltm for further analysis.

**Recommended Action** No action is required.

**Message** ELTM-2-INTERNAL\_ERROR: Internal error: [chars], collect output of show tech-support eltm

**Explanation** ELTM hit a internal error. Collect show tech-support eltm for further analysis.

**Recommended Action** No action is required.

**Message** ELTM-2-INTF\_NOT\_FOUND: Interface [chars] not found in ELTM database [chars]

**Explanation** ELTM database doesn't have the interface'

**Recommended Action** No action is required.

**Message** ELTM-2-INTF\_NOT\_SUPP: Interface [chars] not supported by ELTM [chars]

**Explanation** ELTM does not support the interface for the specified operation

**Recommended Action** No action is required.

**Message** ELTM-2-INTF\_TO\_LTL: Failed to get LTL for interface [chars] return status [chars]

**Explanation** ELTM Failed to get LTL for interface. Packets received on this interface might not be handled correctly by the forwarding engine

**Recommended Action** No action is required.

## ELTM-3

**Message** ELTM-3-OTV\_FEATURE\_FAIL: Feature OTV failed: [chars]

**Explanation** Error in ELTM while handling feature OTV request from OIM

**Recommended Action** No action is required.

## ELTM-5

**Message** ELTM-5-EXT\_COMP\_ERR: [chars] component error [chars]

**Explanation** Recently applied Multicast config on the interface was unsuccessful, so reverting to the old state (before config)

**Recommended Action** No action is required.

## ELTM-6

**Message** ELTM-6-ELTM\_MTS\_SEND\_FAILED: Failed to send MTS message errno [hex] opcode [dec]

**Explanation** No action is required.

**Recommended Action** Eltm

## EOU Messages

This section contains the EOU messages.

### EOU-2

**Message** EOU-2-PBACL\_APPLICATION\_FAILURE: [chars] of host [chars] to/from pbacl group [chars] failed. Error: [chars]

**Explanation** Failure of host addition/deletion to/from pbacl group

**Recommended Action** Please verify the addition/deletion of the host using the cli show object-group. If it was a delete request that failed, manual deletion of the host from the group is recommended

### EOU-5

**Message** EOU-5-L2NAC\_DISABLED: EOU Disabled

**Explanation** Service EOU Disabled

**Recommended Action** No action is required.

**Message** EOU-5-L2NAC\_ENABLED: EOU Enabled

**Explanation** Service EOU enabled

**Recommended Action** No action is required.

## EOU-6

**Message** EOU-6-AAA\_DOWN: Default Policy ip: [chars]:retained

**Explanation** Policy retained

**Recommended Action** No action is required.

**Message** EOU-6-AUTHTYPE: Authtype: ip: [chars] Authtype:[chars]

**Explanation** Authentication type

**Recommended Action** No action is required.

**Message** EOU-6-BAD\_PKT: Bad Packet: ip: [chars] Why: [chars]

**Explanation** Bad Packet because of reason specified

**Recommended Action** No action is required.

**Message** EOU-6-CTA: CTA: ip: [chars] status (detected/not detected): [chars]

**Explanation** CTA detected or not

**Recommended Action** No action is required.

**Message** EOU-6-IDENTITY\_MATCH: Identity Match: ip: [chars] Policy: [chars]

**Explanation** Identity Matched or not

**Recommended Action** No action is required.

**Message** EOU-6-PBACL\_APPLICATION\_STATUS: [chars] of host [chars] to/from pbacl group [chars] succeeded

**Explanation** Status of host addition/deletion to pbacl group

**Recommended Action** No action is required.

**Message** EOU-6-POLICY: Policy on ip: [chars]: [chars]: [chars]

**Explanation** Policy applied

**Recommended Action** No action is required.

**Message** EOU-6-POSTURE: Posture:ip: [chars] Status: [chars], Interface: [chars]

**Explanation** Posture of host

**Recommended Action** No action is required.

**Message** EOU-6-SESSION: Session ip: [chars] Action: [chars], Interface: [chars]

**Explanation** Session detected

**Recommended Action** No action is required.

**Message** EOU-6-SOCKET: Service eou on port: [dec]

**Explanation** Eou using above port

**Recommended Action** No action is required.

**Message** EOU-6-SQ\_EAP\_MSG: Status Query: ip: [chars] status: [chars]

**Explanation** Status query state

**Recommended Action** No action is required.

**Message** EOU-6-UNKN\_EVENT\_ERR: Unknown Event Err: ip: [chars] Message: [chars]

**Explanation** Error due to unknown event

**Recommended Action** No action is required.

**Message** EOU-6-VERSION\_MISMATCH: Eou version mismatch ip: [chars] and version [dec]

**Explanation** EOU version mismatch

**Recommended Action** No action is required.

## EOU-7

**Message** EOU-7-EOU\_DISABLED\_INTF: eou disabled on interface [chars]

**Explanation** EOU service disabled on interface

**Recommended Action** No action is required.

**Message** EOU-7-EOU\_ENABLED\_INTF: eou enabled on interface [chars]

**Explanation** EOU service enabled on interface

**Recommended Action** No action is required.

## EPLD\_AUTO Messages

This section contains the EPLD\_AUTO messages.

### EPLD\_AUTO-2

**Message** EPLD\_AUTO-2-AUTO\_UPGRADE\_CHECK: Automatic EPLD upgrade check for module [dec]: [chars]

**Explanation** Automatic upgrade pre- upgrade notice.

**Recommended Action** No action is required.

**Message** EPLD\_AUTO-2-AUTO\_UPGRADE\_ENDED: Automatic EPLD Upgrade completed for module [dec]

**Explanation** Automatic upgrade of module completed.

**Recommended Action** No action is required.

**Message** EPLD\_AUTO-2-AUTO\_UPGRADE\_STARTED: Automatic EPLD Upgrade started for module [dec]

**Explanation** Automatic upgrade of module started.

**Recommended Action** No action is required.

**Message** EPLD\_AUTO-2-AUTO\_UPGRADE\_STATUS: [chars]

**Explanation** Automatic upgrade status notice.

**Recommended Action** No action is required.

## EPLD\_UPGRADE Messages

This section contains the EPLD\_UPGRADE messages.

## EPLD\_UPGRADE-2

**Message** EPLD\_UPGRADE-2-ACTIVE\_SINGLE\_SUP\_UPGRADE: install all epld does not upgrade Active Supervisor module [dec].

**Explanation** Install all EPLD does not upgrade Active Supervisor in a switch with a single supervisor.

**Recommended Action** No action is required.

**Message** EPLD\_UPGRADE-2-ACTIVE\_SUP\_UPGRADE: install all epld does not upgrade Active Supervisor module [dec]. Please do a switchover and upgrade the EPLDs on module [dec].

**Explanation** Install all EPLD did not upgrade Active Supervisor.

**Recommended Action** No action is required.

## EPP Messages

This section contains the EPP messages.

### EPP-5

**Message** EPP-5-EPP\_FAILURE: Interface [chars] EPP Failure

**Explanation** Trunk protocol failed

**Recommended Action** show epp internal event-history err' will indicate the errors encountered

**Message** EPP-5-EPP\_LOOPBACK: Interface [chars] is looped back to the same switch

**Explanation** The interface is looped back to another interface on the same switch

**Recommended Action** Check the connectivity of this interface and ensure that it is connected to another switch

**Message** EPP-5-EPP\_TRUNK\_PROTOCOL\_STATUS: epp trunk protocol is [chars] on switch

**Explanation** Epp trunk protocol enabled/disabled on the switch

**Recommended Action** No action is required.

## ETH-PORT-SEC Messages

This section contains the ETH-PORT-SEC messages.

## ETH-PORT-SEC-3

**Message** ETH-PORT-SEC-3-ETH\_PORT\_SEC\_CONFIG\_MAC\_FAILED: Failed to configure MACs

**Explanation** Failed to configure MACs

**Recommended Action** No action is required.

**Message** ETH-PORT-SEC-3-ETH\_PORT\_SEC\_INVALID\_VLAN: Invalid VLAN configuration

**Explanation** Invalid VLAN configuration

**Recommended Action** No action is required.

**Message** ETH-PORT-SEC-3-ETH\_PORT\_SEC\_SECURITY\_VIOLATION\_ANOTHER\_PORT: Host [chars] bound to Port [chars] in Vlan [dec] is trying to access Port [chars] in Vlan [dec]

**Explanation** Moved the port to violation state due to a mac address seen on one port being seen on another

**Recommended Action** No action is required.

**Message** ETH-PORT-SEC-3-ETH\_PORT\_SEC\_SECURITY\_VIOLATION\_MAX\_MAC\_VLAN: Port [chars] moved to [chars] state as host [chars] is trying to access the port in vlan [dec]

**Explanation** Moved the port to violation state due to exceeding address count

**Recommended Action** No action is required.

**Message** ETH-PORT-SEC-3-ETH\_PORT\_SEC\_UNABLE\_TO\_DISABLE: Unable to disable eth\_port\_sec [chars].

**Explanation** Unable to disable eth\_port\_sec Service

**Recommended Action** No action is required.

**Message** ETH-PORT-SEC-3-ETH\_PORT\_SEC\_UNABLE\_TO\_ENABLE: Unable to enable eth\_port\_sec [chars].

**Explanation** Unable to enable eth\_port\_sec Service

**Recommended Action** No action is required.

**Message** ETH-PORT-SEC-3-ETH\_PORT\_SEC\_VIOL\_UPDATE\_FAILED: Failed to update violation mode

**Explanation** Failed to update violation mode

**Recommended Action** No action is required.

## ETH-PORT-SEC-5

**Message** ETH-PORT-SEC-5-ETH\_PORT\_SEC\_AGE\_TIME\_EXPIRY: Age Time expired for host [chars] in VLAN [dec] in port [chars]

**Explanation** Age time expired for host

**Recommended Action** No action is required.

**Message** ETH-PORT-SEC-5-ETH\_PORT\_SEC\_DISABLED: eth\_port\_sec Disabled on if\_index: [hex]

**Explanation** Eth\_port\_sec Service Disabled

**Recommended Action** No action is required.

**Message** ETH-PORT-SEC-5-ETH\_PORT\_SEC\_DYNAMIC\_MAC\_ADDRESS\_CLEARED: Dynamic MAC addresses for port [chars] cleared

**Explanation** Dynamic MAC address for port cleared

**Recommended Action** No action is required.

**Message** ETH-PORT-SEC-5-ETH\_PORT\_SEC\_ENABLED: eth\_port\_sec Enabled on if\_index: [hex]

**Explanation** Eth\_port\_sec Service Enabled

**Recommended Action** No action is required.

**Message** ETH-PORT-SEC-5-ETH\_PORT\_SEC\_HOST\_ADDITION: A new Host [chars] learnt on Port [chars] in Vlan [dec]

**Explanation** A new host is learnt on a port

**Recommended Action** No action is required.



**Message** ETH-PORT-SEC-5-ETH\_PORT\_SEC\_HOST\_DELETION: Host [chars] bound to secure port [chars] in Vlan [dec] has been removed

**Explanation** A host has been removed

**Recommended Action** No action is required.

## ETHPORT Messages

This section contains the ETHPORT messages.

### ETHPORT-2

**Message** ETHPORT-2-IF\_CRITICAL\_FAILURE: (Debug syslog) Critical failure: [chars], [chars]

**Explanation** There was a critical failure in the component.

**Recommended Action** Please follow instructions on the syslog.

**Message** ETHPORT-2-IF\_DOWN\_ERROR\_DISABLED: Interface [chars] is down (Error disabled. Reason:[chars])

**Explanation** The interface encountered an error while configuring it

**Recommended Action** Collect more information about failed interface using command show port internal all interface [char]. In most cases, you can recover using a shutdown followed by a noshutdown on the interface or removing and re-inserting the fiber optic-cable.

**Message** ETHPORT-2-IF\_SEQ\_ERROR: Error ([chars]) communicating with [chars] for opcode [chars] ([chars])

**Explanation** Some component returned system error as a response to one of the port event sequence.

**Recommended Action** None

**Message** ETHPORT-2-SEQ\_TIMEOUT: Component [chars] timed out on response to opcode [chars] ([chars])

**Explanation** Some component did not respond to a request in stipulated time.

**Recommended Action** None

**Message** ETHPORT-2-SYSLOG\_ETHPM\_CRITICAL: Critical failure: [chars]

**Explanation** There was a critical failure in the component.

**Recommended Action** Please collect system tech-support

## ETHPORT-3

**Message** ETHPORT-3-IF\_DOWN\_CHANNEL\_ERR\_DISABLED: Interface [chars] is down (Channel error disabled)

**Explanation** This interface belongs to a PortChannel and the PortChannel is error disabled

**Recommended Action** Perform shut and noshutdown on the PortChannel interface that it belongs to

**Message** ETHPORT-3-IF\_ERROR\_VLANS\_REMOVED: VLANs [chars] on Interface [chars] are removed from suspended state.

**Explanation** The VLANs on an interface are being removed from the suspended state

**Recommended Action** No action is required.

**Message** ETHPORT-3-IF\_ERROR\_VLANS\_SUSPENDED: VLANs [chars] on Interface [chars] are being suspended. (Reason: [chars])

**Explanation** The VLANs on an interface are being suspended due to some protocol action

**Recommended Action** No action is required.

**Message** ETHPORT-3-IF\_SFP\_ALARM: Interface [chars], [chars]

**Explanation** There was an alarm on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Message** ETHPORT-3-IF\_SFP\_ERROR: Interface [chars], [chars]

**Explanation** There was an error on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Message** ETHPORT-3-IF\_UNSUPPORTED\_TRANSCEIVER: Transceiver on interface [chars] is not supported

**Explanation** The transceiver for the interface specified in the Message is not a Cisco supported module

**Recommended Action** Replace the module with a compatible transceiver. If the transceiver was purchased from Cisco, please contact Cisco TAC to get the transceiver replaced

**Message** ETHPORT-3-IF\_XCVR\_ALARM: Interface [chars], [chars]

**Explanation** There was an alarm on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Message** ETHPORT-3-IF\_XCVR\_ERROR: Interface [chars], [chars]

**Explanation** There was an error on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

## ETHPORT-4

**Message** ETHPORT-4-IF\_DOWN\_NOT\_PC\_MEMBER: Interface [chars] is down (Not PC Member)

**Explanation** Port needs to be port-channel member for current configuration

**Recommended Action** No action is required.

**Message** ETHPORT-4-IF\_NON\_QUALIFIED\_TRANSCEIVER: Non-qualified transceiver on interface [chars] was detected

**Explanation** The transceiver for the interface specified has not been qualified on this platform for this software release

**Recommended Action** Replace the module with a supported transceiver. Contact Cisco TAC to get platform transceiver qualification details

**Message** ETHPORT-4-IF\_SFP\_WARNING: Interface [chars], [chars]

**Explanation** There was an warning on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Message** ETHPORT-4-IF\_XCVR\_WARNING: Interface [chars], [chars]

**Explanation** There was an warning on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

## ETHPORT-5

**Message** ETHPORT-5-IF\_ADMIN\_UP: Interface [chars] is admin up [chars]

**Explanation** Interface is admin up

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_BANDWIDTH\_CHANGE: Interface [chars], bandwidth changed to [chars] Kbit

**Explanation** Bandwidth of the interface (port channel) has changed and this change is updated

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_DOWN\_ADMIN\_DOWN: Interface [chars] is down (Administratively down)

**Explanation** Interface has been configured to be administratively down

**Recommended Action** Perform noshutdown"

**Message** ETHPORT-5-IF\_DOWN\_CFG\_CHANGE: Interface [chars] is down(Config change)

**Explanation** FCIP interface temporarily down due to reconfiguration

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_DOWN\_CHANNEL\_ADMIN\_DOWN: Interface [chars] is down (Channel admin down)

**Explanation** This interface belongs to a PortChannel and the PortChannel is configured to be administratively down

**Recommended Action** Perform noshutdown on the PortChannel interface that it belongs to

**Message** ETHPORT-5-IF\_DOWN\_CHANNEL\_MEMBERSHIP\_UPDATE\_IN\_PROGRESS: Interface [chars] is down (Channel membership update in progress)

**Explanation** The interface belongs to a PortChannel and a configuration is being attempted on the interface while there is a configuration in progress on the PortChannel

**Recommended Action** Retry the configuration again

**Message** ETHPORT-5-IF\_DOWN\_DOMAIN\_ADDR\_ASSIGN\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to domain id assignment failure)

**Explanation** Isolated due to a failure while assigning a domain

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_DOWN\_DOMAIN\_INVALID\_RCF\_RECEIVED: Interface [chars] is down (Isolation due to invalid fabric reconfiguration)

**Explanation** Invalid RCF received

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_DOWN\_DOMAIN\_MANAGER\_DISABLED: Interface [chars] is down (Isolation due to domain manager disabled)

**Explanation** Isolated due to domain manager being disabled

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_DOWN\_DOMAIN\_MAX\_RETRANSMISSION\_FAILURE: Interface [chars] is down (Isolation due to domain manager other side not responding)

**Explanation** Remote end domain manager not responding

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_DOWN\_DOMAIN\_OTHER\_SIDE\_EPORT\_ISOLATED: Interface [chars] is down (Isolation due to domain other side eport isolated)

**Explanation** Isolating this interface due to the remote end being isolated

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_DOWN\_DOMAIN\_OVERLAP\_ISOLATION: Interface [chars] is down (Isolation due to domain overlap)

**Explanation** Isolated due to domain overlap

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to ELP failure)

**Explanation** ELP failed on the interface

**Recommended Action** Check the output of 'show port internal info' in the 'ELP failure reason' field

**Message** ETHPORT-5-IF\_DOWN\_EPP\_FAILURE: Interface [chars] is down (Error Disabled - EPP Failure)

**Explanation** Trunk protocol failed

**Recommended Action** 'show port internal event-history msgs' will indicate the trunk protocol exchanges to determine why it failed

**Message** ETHPORT-5-IF\_DOWN\_ESC\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to ESC failure)

**Explanation** ESC failed on the interface

**Recommended Action** Check the output of 'show port internal event - history' to determine the ESC protocol exchanges to determine how it failed

**Message** ETHPORT-5-IF\_DOWN\_ETH\_IF\_DOWN: Interface [chars] is down(Tunnel port src interface down)

**Explanation** Ethernet link to which the FCIP interface is bound is down

**Recommended Action** Ensure that the ethernet cable is connected, the interface is administratively enabled

**Message** ETHPORT-5-IF\_DOWN\_ETH\_LINK\_DOWN: Interface [chars] is down(Tunnel port src interface link down)

**Explanation** Ethernet link to which the FCIP interface is bound is down

**Recommended Action** Ensure that the ethernet cable is connected and the remote end is also active

**Message** ETHPORT-5-IF\_DOWN\_FCOT\_NOT\_PRESENT: Interface [chars] is down (FCOT not present)

**Explanation** The FCOT has been removed

**Recommended Action** Insert an FCOT

**Message** ETHPORT-5-IF\_DOWN\_FCOT\_VENDOR\_NOT\_SUPPORTED: Interface [chars] is down (Error disabled - Fcot vendor not supported)

**Explanation** Fcot inserted is not a supported one

**Recommended Action** Please contact customer support for a list of authorized transceiver vendors

**Message** ETHPORT-5-IF\_DOWN\_HW\_FAILURE: Interface [chars] is down (Hardware Failure)

**Explanation** The modules hardware has failed

**Recommended Action** Collect more information about failed module using command 'show module internal all module'

**Message** ETHPORT-5-IF\_DOWN\_INACTIVE: Interface [chars] is down (Inactive)

**Explanation** The port VLAN or VSAN has been suspended or deleted

**Recommended Action** Assign a new active port VLAN/VSAN to the interface

**Message** ETHPORT-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_MODE: Interface [chars] is down (Error disabled - Incompatible admin port mode)

**Explanation** The configured mode is not supported on this interface

**Recommended Action** Perform a 'show port internal info' to determine the list of modes supported on this interface

**Message** ETHPORT-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_RXBBCREDIT: Interface [chars] is down (Error disabled - Incompatible admin port rxbbcredit)

**Explanation** The configured receive B2B credit size is not supported

**Recommended Action** Get the allowed receive B2B credit size from 'show port internal info'

**Message** ETHPORT-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_RXBUFSIZE: Interface [chars] is down (Error disabled - Incompatible admin port rxbufsize)

**Explanation** The configured receive buffer size is not supported

**Recommended Action** Get the allowed receive buffer size from 'show port internal info'

**Message** ETHPORT-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_SPEED: Interface [chars] is down (Error disabled - Incompatible admin port speed)

**Explanation** The configured speed is not supported on this interface

**Recommended Action** Perform a 'show port internal info' to determine the range of speed supported on this interface

**Message** ETHPORT-5-IF\_DOWN\_INITIALIZING: Interface [chars] is down (Initializing)

**Explanation** The interface is in the process of coming up

**Recommended Action** If the interface is stuck in this state for a while, check the output of 'show port internal event-history' to determine what it is waiting for.

**Message** ETHPORT-5-IF\_DOWN\_INTERFACE\_REMOVED: Interface [chars] is down (Interface removed)

**Explanation** Interface removed

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_DOWN\_LINK\_FAILURE: Interface [chars] is down (Link failure)

**Explanation** The physical link has gone down

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

**Message** ETHPORT-5-IF\_DOWN\_LOOPBACK\_DIAG\_FAILURE: Interface [chars] is down (Diag failure)

**Explanation** Diag failed on the interface

**Recommended Action** Collect more information about failed interface using command 'attach module' to connect to module

**Message** ETHPORT-5-IF\_DOWN\_LOOPBACK\_ISOLATION: Interface [chars] is down (Isolation due to port loopback to same switch)

**Explanation** The interface is looped back to another interface on the same switch

**Recommended Action** Check the connectivity of this interface and ensure that it is connected to another switch

**Message** ETHPORT-5-IF\_DOWN\_MODULE\_REMOVED: Interface [chars] is down (module removed)

**Explanation** Interface is down because the module was removed

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_DOWN\_NONE: Interface [chars] is down ([chars])

**Explanation** Interface is down with a possible reason.

**Recommended Action** Collect more information about port using command 'show port internal info/event-history' to determine why it went down

**Message** ETHPORT-5-IF\_DOWN\_NON\_PARTICIPATING: Interface [chars] is down (Non participating)

**Explanation** The loop port has been put into non participating mode

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_DOWN\_OFFLINE: Interface [chars] is down (Offline)

**Explanation** The interface has been placed into the offline state

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_DOWN\_PARENT\_ADMIN\_DOWN: Interface [chars] is down (Parent interface down)

**Explanation** Parent interface is down

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_DOWN\_PARENT\_DOWN: Interface [chars] is down (Parent interface is down)

**Explanation** The physical link on the parent interface has gone down

**Recommended Action** No action is required.



**Message** ETHPORT-5-IF\_DOWN\_PEER\_CLOSE: Interface [chars] is down(TCP conn. closed by peer)

**Explanation** The FCIP peer connected to this interface closed the TCP connection

**Recommended Action** This command will provide the peer IP address of this FCIP interface: show interface. Check to see why the peer closed the TCP connection

**Message** ETHPORT-5-IF\_DOWN\_PEER\_RESET: Interface [chars] is down(TCP conn. reset by peer)

**Explanation** TCP connection to the FCIP peer got reset

**Recommended Action** The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Check to see why the peer reset the TCP connection

**Message** ETHPORT-5-IF\_DOWN\_PORT\_CHANNEL\_MEMBERS\_DOWN: Interface [chars] is down (No operational members)

**Explanation** This is a PortChannel interface and all its members are operationally down

**Recommended Action** Enable at least one of the PortChannel members'

**Message** ETHPORT-5-IF\_DOWN\_PORT\_VSAN\_MISMATCH\_ISOLATION: Interface [chars] is down (Isolation due to port vsan mismatch)

**Explanation** Isolated due to a mismatch in the configured port VSAN of the local and remote ends

**Recommended Action** Configure the port VSAN of the local and remote interfaces to be the same and perform a 'shutdown' and a 'noshutdown'

**Message** ETHPORT-5-IF\_DOWN\_RCF\_IN\_PROGRESS: Interface [chars] is down (RCF in progress)

**Explanation** There is an RCF in progress

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_DOWN\_SOFTWARE\_FAILURE: Interface [chars] is down (Port software failure)

**Explanation** The software servicing the data path on the port has failed

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_DOWN\_SRC\_MOD\_NOT\_ONLINE: Interface [chars] is down(Tunnel source module not online)

**Explanation** Module that has the tunnel source port of this FCIP interface is not fully online

**Recommended Action** The module that has the tunnel src port is coming online. Please use show mod to find module status

**Message** ETHPORT-5-IF\_DOWN\_SRC\_PORT\_NOT\_BOUND: Interface [chars] is down (Tunnel port src interface unbound)

**Explanation** Tunnel port source interface unbound

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_DOWN\_SRC\_PORT\_REMOVED: Interface [chars] is down(Tunnel src port removed)

**Explanation** Tunnel source port of this FCIP interface has been removed

**Recommended Action** The src interface with ip address that matches the ip address of the bound entity is removed. This happens normally due to the module on which the src interface exists is removed

**Message** ETHPORT-5-IF\_DOWN\_SUSPENDED\_BY\_MODE: Interface [chars] is down (Suspended due to incompatible mode)

**Explanation** This interface belongs to a PortChannel and operational mode of the interface is different from that of the PortChannel

**Recommended Action** Change the mode and the trunking mode of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

**Message** ETHPORT-5-IF\_DOWN\_SUSPENDED\_BY\_SPEED: Interface [chars] is down (Suspended due to incompatible speed)

**Explanation** This interface belongs to a PortChannel and operational speed mode of the interface is different from that of the PortChannel

**Recommended Action** Change the speed of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

**Message** ETHPORT-5-IF\_DOWN\_SUSPENDED\_BY\_WWN: Interface [chars] is down (Suspended due to incompatible remote switch WWN)

**Explanation** This interface belongs to a PortChannel and remote switch WWN of the interface is different from that of the PortChannel

**Recommended Action** Ensure that this interface is connected to the same remote switch as all the other interfaces in the PortChannel

**Message** ETHPORT-5-IF\_DOWN\_SUSPENDED: Interface [chars] is down (Suspended)

**Explanation** This interface belongs to a PortChannel and has been suspended due to an error while bringing it up

**Recommended Action** Perform a 'shutdown' and a 'noshutdown'. If this happens again obtain output of 'show port internal info / event-history' on the interface

**Message** ETHPORT-5-IF\_DOWN\_TCP\_KEEP\_ALIVE\_EXPIRED: Interface [chars] is down(TCP conn. closed - Keep alive expired)

**Explanation** TCP session to the FCIP peer got closed due to loss of TCP keep alive

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** ETHPORT-5-IF\_DOWN\_TCP\_MAX\_RETRANSMIT: Interface [chars] is down(TCP conn. closed - retransmit failure)

**Explanation** Interface is down due to maximum retransmission failure

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** ETHPORT-5-IF\_DOWN\_TCP\_PERSIST\_TIMER\_EXPIRED: Interface [chars] is down(TCP conn. closed - Persist timer expired)

**Explanation** TCP session to the FCIP peer closed because TCP persist timer expired

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** ETHPORT-5-IF\_DOWN\_UPGRADE\_IN\_PROGRESS: Interface [chars] is down (Linecard upgrade in progress)

**Explanation** Upgrade of the linecard software is in progress

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_DOWN\_VRF\_UNUSABLE: Interface [chars] is down (Vrf down)

**Explanation** The VRF for which this interface is a member is removed

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_DOWN\_VSAN\_MISMATCH\_ISOLATION: Interface [chars] is down (Isolation due to vsan mismatch)

**Explanation** This is a trunking interface and the VSANs configured do not match with the VSANs configured on the remote end

**Recommended Action** Check the VSANs configured on the local end with the remote end

**Message** ETHPORT-5-IF\_DOWN\_ZONE\_MERGE\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to zone merge failure)

**Explanation** Isolated due to a failure during zone merge

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_DOWN\_ZONE\_REMOTE\_NO\_RESP\_ISOLATION: Interface [chars] is down (Isolation due to remote zone server not responding)

**Explanation** Isolated due to remote zone server not responding

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_DUPLEX: Interface [chars], operational duplex mode changed to [chars]

**Explanation** Operational duplex mode has changed when link came up

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_ERRDIS\_RECOVERY: Interface [chars] is being recovered from error disabled state (Last Reason:[chars])

**Explanation** Interface is being recovered from error disabled state

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_HARDWARE: Interface [chars], hardware type changed to [chars]

**Explanation** There was a change in the hardware characteristic of an interface, such as a transceiver module plugged in or removed

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_L2MP\_MODE: Interface [chars], l2mp-mode changed to [chars]

**Explanation** The l2mp-mode on the port has changed

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_RX\_FLOW\_CONTROL: Interface [chars], operational Receive Flow Control state changed to [chars]

**Explanation** Operational receive flow control has changed when link came up

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_TRUNK\_DOWN: Interface [chars], vlan [chars] down

**Explanation** Interface [chars] is trunking, VLANs [chars] are down

**Recommended Action** The following commands will help determine why this VSAN is down on this interface: show interface, show port internal info interface VSAN, show port internal event-history interface vsan

**Message** ETHPORT-5-IF\_TRUNK\_UP: Interface [chars], vlan [chars] up

**Explanation** Interface [chars] is trunking, VLANs [chars] are up

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_TX\_FLOW\_CONTROL: Interface [chars], operational Transmit Flow Control state changed to [chars]

**Explanation** Operational transmit flow control has changed when link came up

**Recommended Action** No action is required.

**Message** ETHPORT-5-IF\_UP: Interface [chars] is up [chars]

**Explanation** Interface is up in mode specified, if applicable

**Recommended Action** No action is required.

**Message** ETHPORT-5-SPEED: Interface [chars], operational speed changed to [chars]

**Explanation** Operational speed has changed when link came up

**Recommended Action** No action is required.

**Message** ETHPORT-5-STORM\_CONTROL\_ABOVE\_THRESHOLD: Traffic in port [chars] exceeds the configured threshold [chars]

**Explanation** Traffic on specified port is beyond the configured storm-control threshold, and the excess traffic is being dropped

**Recommended Action** Identify source of traffic storm

**Message** ETHPORT-5-STORM\_CONTROL\_BELOW\_THRESHOLD: Traffic in port [chars] has fallen below the configured threshold [chars]

**Explanation** Traffic on specified port has returned to within configured storm-control threshold

**Recommended Action** No action is required.

## ETH\_PORT\_CHANNEL Messages

This section contains the ETH\_PORT\_CHANNEL messages.

### ETH\_PORT\_CHANNEL-1

**Message** ETH\_PORT\_CHANNEL-1-LC\_CFG\_FAILURE: configuring module [dec] failed [[chars]]

**Explanation** Module configuration failed

**Recommended Action** Module will be automatically reset

**Message** ETH\_PORT\_CHANNEL-1-MALLOC\_FAILED: cannot allocate memory (size [dec])

**Explanation** No enough memory

**Recommended Action** No action is required.

**Message** ETH\_PORT\_CHANNEL-1-MAP\_PARAM\_FAILURE: mapping parameter failed for [chars] [[chars]]

**Explanation** Parameter mapping failed

**Recommended Action** Specified service is misbehaving; check its status

**Message** ETH\_PORT\_CHANNEL-1-MCAST\_SEND\_FAILURE: failed to send multicast [chars]: [chars]

**Explanation** Failed to send a multicast message to all modules, usually because some module went down

**Recommended Action** Run show port-channel consistency to check consistency

## ETH\_PORT\_CHANNEL-2

**Message** ETH\_PORT\_CHANNEL-2-RESET\_MODULE: reset module [dec] for not responding or returning error

**Explanation** A module is reset for not responding or returning error

**Recommended Action** No action is required.

## ETH\_PORT\_CHANNEL-3

**Message** ETH\_PORT\_CHANNEL-3-ADD\_REM\_MEMBERS\_FAILURE: [chars]

**Explanation** Some service(s) failed to add or remove ports to port-channel

**Recommended Action** None

**Message** ETH\_PORT\_CHANNEL-3-ALL\_DROP\_TIMEOUT: Some component(s) (sap:[chars]) timed out on dropping notif:[chars] (for:[chars]); Please collect <show system internal mts buffers details

**Explanation** Some component did not respond to a request in stipulated time.

**Recommended Action** None

**Message** ETH\_PORT\_CHANNEL-3-COMPAT\_CHECK\_FAILURE: [chars] is not compatible

**Explanation** Compatibility check failed when adding ports to port-channel

**Recommended Action** Make sure the compatibility parameters are consistent while adding ports to port-channel, or use force option

**Message** ETH\_PORT\_CHANNEL-3-GENERAL\_ERROR: [chars]

**Explanation** General error

**Recommended Action** No action is required.

**Message** ETH\_PORT\_CHANNEL-3-MSG\_SEND\_FAILURE: failed to send [chars] to sap [dec]: [chars]

**Explanation** Failed to send a message

**Recommended Action** No action is required.

**Message** ETH\_PORT\_CHANNEL-3-NUM\_ACTIVE\_PORTS\_ERROR: Port-channel:[chars] active\_nports [dec]; No member is active; Please collect <show tech-support port-channel/ethpm

**Explanation** Port-channel num active ports error

**Recommended Action** None

**Message** ETH\_PORT\_CHANNEL-3-PCM\_HWCFG\_FAIL\_ERROR: Port-channel:[chars] mbr:[chars] SAP [dec] returned error [chars] for opc [chars]; if lacp port-channel please collect <show tech-support lacp all

**Explanation** Port-channel hwcfg fail error

**Recommended Action** None

**Message** ETH\_PORT\_CHANNEL-3-PCM\_INTERNAL\_ERROR: Port-channel:[chars] mbr:[chars]; if lacp port-channel please collect <show tech-support lacp all

**Explanation** Port-channel internal error

**Recommended Action** None

**Message** ETH\_PORT\_CHANNEL-3-PCM\_PORT\_DEL\_IN\_PC\_UP\_ERROR: Port-channel:[chars] mbr:[chars]; if lacp port-channel please collect <show tech-support lacp all

**Explanation** Port-channel port del in pc\_up. Shut response received before bundle member down.

**Recommended Action** None

**Message** ETH\_PORT\_CHANNEL-3-PCM\_PORT\_DOWN\_IN\_PC\_UP\_ERROR: Port-channel:[chars] mbr:[chars]; if lacp port-channel please collect <show tech-support lacp all

**Explanation** Port-channel port down in pc\_up. No bundle member down

**Recommended Action** None

**Message** ETH\_PORT\_CHANNEL-3-PORT\_CHANNEL\_NOT\_FOUND: [chars] is not found

**Explanation** Cannot find port-channel in its database, which indicates an inconsistency with an external component

**Recommended Action** No action is required.

**Message** ETH\_PORT\_CHANNEL-3-RESOURCE\_ALLOC\_FAILED\_PORT\_CHANNEL\_DELETED: [chars] deleted

**Explanation** Port-channel deleted from running config

**Recommended Action** May need to re-configure the port-channel and its members



**Message** ETH\_PORT\_CHANNEL-3-RSP\_TIMEOUT: Component [chars] timed out on response to opcode:[chars] (for:[chars])

**Explanation** Some component did not respond to a request in stipulated time.

**Recommended Action** None

**Message** ETH\_PORT\_CHANNEL-3-TIMEOUT: timed out after [dec] seconds [type [chars], state [chars]]

**Explanation** Some operation timed out

**Recommended Action** Run show port-channel consistency to check all module connectivity and consistency

**Message** ETH\_PORT\_CHANNEL-3-SHADOW\_MBR\_CHANGE\_FAILURE: [chars]

**Explanation** Some service failed shadow member change to port-channel

**Recommended Action** None

**Message** ETH\_PORT\_CHANNEL-3-SHADOW\_PC\_CREATE\_FAILURE: [chars]

**Explanation** Some service failed shadow port-channel create

**Recommended Action** None

**Message** ETH\_PORT\_CHANNEL-3-SHADOW\_PC\_DELETE\_FAILURE: [chars]

**Explanation** Some service failed shadow port-channel delete

**Recommended Action** None

## ETH\_PORT\_CHANNEL-4

**Message** ETH\_PORT\_CHANNEL-4-PORT\_CFG\_DELETED: [chars] removed from [chars] (different module inserted)

**Explanation** Port is removed from a port-channel because a different module was inserted to the same slot

**Recommended Action** You lost some ports from port-channel, check if you want to add ports in the new module to the same port-channel.

**Message** ETH\_PORT\_CHANNEL-4-PORT\_INDIVIDUAL: port [chars] is operationally individual

**Explanation** The port is operating as an individual link even though it is locally or remotely configured to be part of a port channel

**Recommended Action** Check the configuration of the port locally and remotely to ensure that it can operate as part of a port channel

**Message** ETH\_PORT\_CHANNEL-4-PORT\_NOT\_FOUND: port [chars] is not part of port-channel

**Explanation** Cannot find the port in port-channel database, which indicates an inconsistency with an external component

**Recommended Action** No action is required.

**Message** ETH\_PORT\_CHANNEL-4-RACE\_WARN: [chars]

**Explanation** Warning of possible race condition

**Recommended Action** No action is required.

**Message** ETH\_PORT\_CHANNEL-4-UNEXPECTED\_RESPONSE: unexpected response [chars] from [chars]

**Explanation** Received an unexpected response and discarded

**Recommended Action** No action is required.

## ETH\_PORT\_CHANNEL-5

**Message** ETH\_PORT\_CHANNEL-5-AUTO\_CREATE\_FAILURE: [chars] [chars]

**Explanation** Auto create process on the port failed

**Recommended Action** No action is required.

**Message** ETH\_PORT\_CHANNEL-5-CREATED: [chars] created

**Explanation** A port-channel is created

**Recommended Action** No action is required.

**Message** ETH\_PORT\_CHANNEL-5-DELETED: [chars] deleted

**Explanation** A port-channel is deleted

**Recommended Action** No action is required.

**Message** ETH\_PORT\_CHANNEL-5-FOP\_CHANGED: [chars]: first operational port changed from [chars] to [chars]

**Explanation** The first operational port in a port-channel is changed

**Recommended Action** No action is required.

**Message** ETH\_PORT\_CHANNEL-5-IF\_DOWN\_SUSPENDED\_BY\_MODE: Interface [chars] is down (Suspended due to incompatible mode)

**Explanation** Compatibility check failed when adding ports to port-channel

**Recommended Action** Make sure the compatibility parameters are consistent between the ports and the port-channel

**Message** ETH\_PORT\_CHANNEL-5-IF\_DOWN\_SUSPENDED\_BY\_SPEED: Interface [chars] is down (Suspended due to incompatible speed)

**Explanation** Operational compatibility check failed on the port in a port-channel

**Recommended Action** Make sure the compatibility parameters are consistent between the ports and the port-channel

**Message** ETH\_PORT\_CHANNEL-5-MAX\_CHANNEL\_DISALLOWED: Module failed to come online because port channel interface <port-channel number>

**Explanation** The port-channel number configured on the switch is larger than 128

**Recommended Action** Delete the set of port channel interface <port-channel interface>

**Message** ETH\_PORT\_CHANNEL-5-PORT\_ADDED: [chars] added to [chars]

**Explanation** Ports are added to a port-channel

**Recommended Action** No action is required.

**Message** ETH\_PORT\_CHANNEL-5-PORT\_DOWN: [chars]: [chars] is down

**Explanation** Port goes down in a port-channel

**Recommended Action** No action is required.

**Message** ETH\_PORT\_CHANNEL-5-PORT\_HOT\_STANDBY\_DOWN: [chars]: hot-standby port [chars] is down

**Explanation** Port-channel hot-standby member goes down

**Recommended Action** No action is required.

**Message** ETH\_PORT\_CHANNEL-5-PORT\_HOT\_STANDBY: [chars]: [chars] goes to hot-standby

**Explanation** Port goes to hot-standby in a port-channel

**Recommended Action** No action is required.

**Message** ETH\_PORT\_CHANNEL-5-PORT\_INDIVIDUAL\_DOWN: individual port [chars] is down

**Explanation** Port-channel member operating in individual mode goes down

**Recommended Action** No action is required.

**Message** ETH\_PORT\_CHANNEL-5-PORT\_REMOVED: [chars] removed from [chars]

**Explanation** Ports are removed from a port-channel

**Recommended Action** No action is required.

**Message** ETH\_PORT\_CHANNEL-5-PORT\_SUSPENDED: [chars]: [chars] is suspended

**Explanation** Port is suspended in a port-channel

**Recommended Action** No action is required.

**Message** ETH\_PORT\_CHANNEL-5-PORT\_UP: [chars]: [chars] is up

**Explanation** Port comes up in a port-channel

**Recommended Action** No action is required.

**Message** ETH\_PORT\_CHANNEL-5-SUBGROUP\_ID\_CHANGE: Interface [chars] in port-channel[dec] subgroup-id changed from [dec] to [dec]

**Explanation** The ports subgroup-id got changed

**Recommended Action** No action is required.

## ETH\_PORT\_CHANNEL-6

**Message** ETH\_PORT\_CHANNEL-6-RESYNC: resyncing [chars] with all modules

**Explanation** Resync modules with sup after an error or switchover

**Recommended Action** No action is required.

## ETH\_PORT\_CHANNEL-7

**Message** ETH\_PORT\_CHANNEL-7-GSYNC\_DONE: global synchronization is done

**Explanation** Port-channel manager finished global synchronization

**Recommended Action** No action is required.

**Message** ETH\_PORT\_CHANNEL-7-GSYNC\_REQ: requesting global synchronization

**Explanation** Port-channel manager requested a global synchronization from active sup

**Recommended Action** No action is required.

**Message** ETH\_PORT\_CHANNEL-7-START\_ACTIVE: started in active mode

**Explanation** Port-channel manager started in active mode

**Recommended Action** No action is required.

**Message** ETH\_PORT\_CHANNEL-7-START\_DEFAULT: started with default configuration

**Explanation** Port-channel manager started with default configuration

**Recommended Action** No action is required.

**Message** ETH\_PORT\_CHANNEL-7-START\_STANDBY: started in standby mode

**Explanation** Port-channel manager started in standby mode

**Recommended Action** No action is required.

**Message** ETH\_PORT\_CHANNEL-7-START\_STATEFUL: started statefully

**Explanation** Port-channel manager started with running configuration

**Recommended Action** No action is required.

**Message** ETH\_PORT\_CHANNEL-7-START\_STATELESS: started statelessly

**Explanation** Port-channel manager started with startup configuration

**Recommended Action** No action is required.

## EUREKA\_USD Messages

This section contains the EUREKA\_USD messages.

## EUREKA\_USD-3

**Message** EUREKA\_USD-3-MSG1: [chars]

**Explanation** Eureka log message

**Recommended Action** No action is required.

## EVMC Messages

This section contains the EVMC messages.

### EVMC-3

**Message** EVMC-3-MTS\_OPERATION\_FAILED: [chars] ([dec]): [chars]

**Explanation** Internal IPC operation failed in Event Manager Client

**Recommended Action** No action is required.

### EVMC-4

**Message** EVMC-4-ACTION\_CFG\_MONITOR\_COLLECT: [chars] ([dec]): Action configuration disallowed for Monitor Collect Policy

**Explanation** Configuring Policy Action for Monitor Collect Policy is not allowed and hence, has been rejected

**Recommended Action** No action is required.

### EVMC-5

**Message** EVMC-5-AVL\_CREATE\_FAIL: [chars] ([dec]): AVL Tree creation failure

**Explanation** Event Manager could not initialize local policy store

**Recommended Action** No action is required.

**Message** EVMC-5-MALLOC\_FAILURE: [chars] ([dec]): Memory allocation failure

**Explanation** Event Manager Client process could not allocate memory

**Recommended Action** No action is required.

**Message** EVMC-5-RT\_PSS\_OP\_FAILURE: [chars] ([dec]): Failed to [chars].  
Error: [chars]

**Explanation** Event Manager Client could not access HA store

**Recommended Action** No action is required.

## EV MED Messages

This section contains the EV MED messages.

### EV MED-2

**Message** EVMED-2-EVMED\_PSS\_DELETE\_FAILURE: Delete from PSS failed

**Explanation** Delete from PSS failed

**Recommended Action** No action is required.

**Message** EVMED-2-EVMED\_PSS\_WRITE\_FAILURE: Write to PSS failed

**Explanation** Write to PSS failed

**Recommended Action** No action is required.

### EV MED-5

**Message** EVMED-5-EVMED\_DISABLED: Event Detectors Disabled

**Explanation** Event manager event detector service disabled

**Recommended Action** No action is required.

**Message** EVMED-5-EVMED\_ENABLED: Event Detectors Enabled

**Explanation** Event manager event detector service enabled

**Recommended Action** No action is required.

## EVMS Messages

This section contains the EVMS messages.

## EVMS-2

**Message** EVMS-2-EVMS\_PSS\_DELETE\_FAILURE: Delete from PSS failed

**Explanation** Delete from PSS failed

**Recommended Action** No action is required.

**Message** EVMS-2-EVMS\_PSS\_WRITE\_FAILURE: Write to PSS failed

**Explanation** Write to PSS failed

**Recommended Action** No action is required.

**Message** EVMS-2-EVMS\_SHOW\_POLICY\_ALLOC\_FAILURE: Insufficient memory: policy information shown will be incomplete

**Explanation** Memory allocation failed. so complete requested information is not being shown

**Recommended Action** No action is required.

## EVMS-4

**Message** EVMS-4-EVMS\_APPLET\_NO\_ACTION\_DEFAULT: WARNING: The default system policy actions are being skipped

**Explanation** The default system policy actions are being skipped

**Recommended Action** No action is required.

## EVMS-6

**Message** EVMS-6-EVMS\_LOGGING\_NO\_SPACE: logflash full, so deleting first event archive file

**Explanation** As the logflash is full, first of the present event archive files is deleted

**Recommended Action** No action is required.

## EXAMPLE\_TEST Messages

This section contains the EXAMPLE\_TEST messages.



## EXAMPLE\_TEST-5

**Message** EXAMPLE\_TEST-5-EXAMPLE\_TEST\_DISABLED: EXAMPLE\_TEST Disabled

**Explanation** EXAMPLE\_TEST Service Disabled

**Recommended Action** No action is required.

**Message** EXAMPLE\_TEST-5-EXAMPLE\_TEST\_ENABLED: EXAMPLE\_TEST Enabled

**Explanation** EXAMPLE\_TEST Service enabled

**Recommended Action** No action is required.

## EXCEPTIONLOG Messages

This section contains the EXCEPTIONLOG messages.

### EXCEPTIONLOG-SLOT#-2

**Message** EXCEPTIONLOG-SLOT#-2-LC\_EXP\_MSG: Linecard exception: [chars] is the affected Port bit map. [dec] Additional information - [chars]

**Explanation** LC Exception event.

**Recommended Action** No action is required.

## EX\_SYSLOG Messages

This section contains the EX\_SYSLOG messages.

### EX\_SYSLOG-0

**Message** EX\_SYSLOG-0-EMER\_MSG: Emergency Message - [dec]

**Explanation** A Dummy emergency message to test syslogd from ex\_syslog. [dec] is the message count

**Recommended Action** No action is required.

## EX\_SYSLOG-1

**Message** EX\_SYSLOG-1-ALERT\_MSG: Alert Message - [chars] [dec]

**Explanation** A Dummy alert message to test syslogd from ex\_syslog. [chars] is the a dummy text. [dec] is the message count

**Recommended Action** No action is required.

## EX\_SYSLOG-2

**Message** EX\_SYSLOG-2-CRIT\_MSG: Critical Message - [dec]

**Explanation** A Dummy critical message to test syslogd from ex\_syslog. [dec] is the message count

**Recommended Action** No action is required.

## EX\_SYSLOG-3

**Message** EX\_SYSLOG-3-ERR\_MSG: Message - [dec]

**Explanation** A Dummy Message to test syslogd from ex\_syslog. [dec] is the message count

**Recommended Action** No action is required.

## EX\_SYSLOG-4

**Message** EX\_SYSLOG-4-WARNING\_MSG: Warning Message - [dec]

**Explanation** A Dummy warning message to test syslogd from ex\_syslog. [dec] is the message count

**Recommended Action** No action is required.

## EX\_SYSLOG-5

**Message** EX\_SYSLOG-5-NOTICE\_MSG: Notice Message - [dec]

**Explanation** A Dummy notice message to test syslogd from ex\_syslog. [dec] is the message count

**Recommended Action** No action is required.

## EX\_SYSLOG-6

**Message** EX\_SYSLOG-6-INFO\_MSG: Info Message - [dec]

**Explanation** A Dummy info message to test syslogd from ex\_syslog. [dec] is the message count

**Recommended Action** No action is required.

## EX\_SYSLOG-7

**Message** EX\_SYSLOG-7-DEBUG\_MSG: Debug Message - [dec]

**Explanation** A Dummy debug message to test syslogd from ex\_syslog. [dec] is the message count

**Recommended Action** No action is required.





## F to L

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This chapter includes system messages for the Cisco NX-OS MDS 9000 families of switches. The messages are listed in alphabetical order by the system facility that produces them. Within each system facility section, messages are listed alphabetically by severity and mnemonics. Each message is followed by an explanation and a recommended action.

### F16\_CMN\_USD Messages

This section contains the F16\_CMN\_USD messages.

#### F16\_CMN\_USD-6

**Message** F16\_CMN\_USD-6-F16\_CMN\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

### F16\_FWD\_USD Messages

This section contains the F16\_FWD\_USD messages.

#### F16\_FWD\_USD-6

**Message** F16\_FWD\_USD-6-F16\_FWD\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

### F16\_MAC\_USD Messages

This section contains the F16\_MAC\_USD messages.

## F16\_MAC\_USD-3

**Message** F16\_MAC\_USD-3-F16\_MAC\_ERR\_MSG: [chars]

**Explanation** Error log message

**Recommended Action** No action is required.

## F16\_MAC\_USD-6

**Message** F16\_MAC\_USD-6-F16\_MAC\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## F16\_QUE\_USD Messages

This section contains the F16\_QUE\_USD messages.

### F16\_QUE\_USD-6

**Message** F16\_QUE\_USD-6-F16\_QUE\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## F16\_XBAR\_USD Messages

This section contains the F16\_XBAR\_USD messages.

### F16\_XBAR\_USD-6

**Message** F16\_XBAR\_USD-6-F16\_XBAR\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## FABRICPATH Messages

### FABRICPATH-2

**Message** FABRICPATH-2-FABRICPATH\_LINK\_BRINGUP\_STALLED\_STATIC: Link bringup stalled due to conflicts

**Explanation** Interface is disabled due to conflicts

**Recommended Action** No action is required.

### FABRICPATH-4

**Message** FABRICPATH-4-FABRICPATH\_ES\_REMOTE\_CONFLICT: Remote ES Switch-id collides with local/remote switch-id in database

**Explanation** Conflict between Remote ES switch-id and non ES switch-id in database

**Recommended Action** No action is required.

**Message** FABRICPATH-4-FABRICPATH\_INVALID\_FTAG: Invalid ftag [dec] received

**Explanation** Invalid ftag is received from remote

**Recommended Action** No action is required.

**Message** FABRICPATH-4-FABRICPATH\_INVALID\_SWITCH\_ID: Invalid switch-id [dec] received

**Explanation** Invalid switch-id is received from remote

**Recommended Action** No action is required.

**Message** FABRICPATH-4-FABRICPATH\_LOCAL\_SWID\_UNKNOWN: Local Switch-id is not known to Resource Allocation manager

**Explanation** Resource Allocation Manager was not able to recover the local switch-id

**Message** No action is required.

## FABRICPATH-6

**Message** FABRICPATH-6-FABRICPATH\_LINK\_BRINGUP\_RESOLVE\_COLLISION: Resolving Collision for switch-id [dec]

**Explanation** Resolving Collision for switch-id

**Recommended Action** No action is required.

**Message** FABRICPATH-6-FABRICPATH\_LINK\_BRINGUP\_STALLED\_CLEARED: LINK bringup cleared for [chars] after collision resolution

**Explanation** Link bringup temporarily suspended due to conflicts

**Recommended Action** No action is required.

**Message** FABRICPATH-6-FABRICPATH\_LINK\_BRINGUP\_STALLED: LINK bringup suspended for [chars] due to conflicts

**Explanation** Link bringup temporarily suspended due to conflicts

**Recommended Action** No action is required.

**Message** FABRICPATH-6-FABRICPATH\_NEW\_ES\_SWITCH\_ID: New Emulated switch-id [chars] received

**Explanation** New Emulated switch-id received

**Recommended Action** No action is required.

**Message** FABRICPATH-6-FABRICPATH\_NEW\_SWITCH\_ID: New switch-id [chars] received

**Explanation** New switch-id received

**Recommended Action** No action is required.



**Message** FABRICPATH-6-FABRICPATH\_SWID\_CHANGED: Switch-id [dec] is assigned with [chars] state

**Explanation** Local switch-id is changed

**Recommended Action** No action is required.

**Message** FABRICPATH-6-FABRICPATH\_SWID\_CONFLICTS: Switch-id [dec] is in conflict with device [chars]

**Explanation** Local switch-id collision with other device

**Recommended Action** No action is required.

**Message** FABRICPATH-6-FABRICPATH\_SWID\_PRI\_SEC\_CHANGED: Switch-id [dec] is changed to [chars]

**Explanation** Local switch-id status changed

**Recommended Action** No action is required.

**Message** FABRICPATH-6-FABRICPATH\_SWID\_STATE\_CHANGED: Switch-id [dec] status changed to [chars]

**Explanation** Local switch-id status changed

**Recommended Action** No action is required.

## FALCON Messages

This section contains the FALCON messages.

### FALCON-SLOT#-2

**Message** FALCON-SLOT#-2-FALCON\_EXITED: Falcon exited (syserr = [dec], errno = [dec])

**Explanation** Falcon exited

**Recommended Action** No action is required.

## FC-REDIRECT Messages

This section contains the FC-REDIRECT messages.

## FC-REDIRECT-2

**Message** FC-REDIRECT-2-ACL\_ERR\_ADD\_HOST: Unable to FC-Redirect Host [chars] traffic going to Target [chars] for application [chars] on Switch [chars] because of ACL module error: [hex] ([chars]) on Module [dec]

**Explanation** FC-Redirect is unable to program ACL entries. ACL module returned an error.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-ACL\_ERR\_FLOGI\_NOT\_ALLOWED: FLOGI from device [chars] connected at interface [chars] is denied because of ACL module error: [hex] ([chars]) on Module [dec]

**Explanation** FC-Redirect is unable to program ACL entries. ACL module returned an error.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-ACL\_ERR\_NEW\_CFG: Unable to Process Configuration Created by [chars] on Switch [chars] for Target [chars] because of ACL module error: [hex] ([chars]) on Module [dec]

**Explanation** FC-Redirect is unable to program ACL entries. ACL module returned an error.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-ACL\_ERR\_TRUNK\_PORT\_UP: Unable to program trunk port I/F [chars] because of ACL module error: [hex] ([chars]) on Module [dec]

**Explanation** FC-Redirect is unable to program ACL entries. ACL module returned an error.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-ACL\_ERR\_UPG\_MODULE\_REGION1\_V1: Unable to program ACL entries on module [dec] because of ACL error: [hex] ([chars]). Hitless Upgrade for Module Rejected

**Explanation** FC-Redirect is unable to program ACL entries. ACL module returned an error. Hitless upgrade for the module rejected. The module will reload now.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-ACL\_ERR\_UPG\_MODULE\_REGION2\_V1: Unable to program ACL entries on module [dec] because of ACL error: [hex] ([chars]). Hitless Upgrade for Module Rejected

**Explanation** FC-Redirect is unable to program ACL entries. ACL module returned an error. Hitless upgrade for the module rejected. The module will reload now.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-ACL\_ERR\_UPG\_MODULE\_REGION2\_V2: Unable to program ACL entries on module [dec] because of ACL error: [hex] ([chars]). Hitless Upgrade for Module Rejected.

**Explanation** FC-Redirect is unable to program ACL entries. ACL module returned an error. Hitless upgrade for the module rejected. The module will reload now.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-ACL\_ERR\_UPG\_MODULE\_REGION3: Unable to program ACL entries on module [dec] because of ACL error: [hex] ([chars]). Hitless Upgrade for Module Rejected

**Explanation** FC-Redirect is unable to program ACL entries. ACL module returned an error. Hitless upgrade for the module rejected. The module will reload now.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-ACL\_MAX\_REACHED\_ADD\_HOST: Unable to FC-Redirect Host [chars] traffic going to Target [chars] for application [chars] on Switch [chars] because of insufficient TCAM resources on Module [dec]

**Explanation** FC-Redirect is unable to program ACL entries. The possible cause can be more than the allowed redirect-able targets on the same switch and more than normal Host(s) are zoned with the Storage Port.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-ACL\_MAX\_REACHED\_FLOGI\_NOT\_ALLOWED: FLOGI from device [chars] connected at interface [chars] is denied as Maximum Allowable Configuration Reached on Module [dec]

**Explanation** FC-Redirect is unable to program ACL entries possible cause can be more than allowed redirect-able targets on the same switch or more ISL sareco - located on a single line card or more than normal Host(s) are zoned with the Storage Port'

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-ACL\_MAX\_REACHED\_NEW\_CFG: Unable to Process Configuration Created by [chars] on Switch [chars] for Target [chars] because of insufficient TCAM Resources on Module [dec]

**Explanation** FC-Redirect is unable to program ACL entries possible cause can be more than allowed redirect-able targets on the same switch and more than normal Host(s) are zoned with the Storage Port

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-ACL\_MAX\_REACHED\_TRUNK\_PORT\_UP: Maximum Allowable Configuration Reached, Unable to program trunk port I/F [chars] on Module [dec]

**Explanation** FC-Redirect is unable to program ACL entries possible cause can be more than allowed redirect-able targets on the same switch and more than normal Host(s) are zoned with the Storage Port

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-ACL\_TIMEOUT\_ADD\_HOST: Unable to FC-Redirect Host [chars] traffic going to Target [chars] for application [chars] on Switch [chars] because ACL module timed out on Module [dec]

**Explanation** FC-Redirect is unable to program ACL entries. Possible cause can be linecard is being upgraded/rebooted.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-ACL\_TIMEOUT\_FLOGI\_NOT\_ALLOWED: FLOGI from device [chars] connected at interface [chars] is denied because ACL module timed out on Module [dec]

**Explanation** FC-Redirect is unable to program ACL entries. Possible cause can be linecard is being upgraded/rebooted.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-ACL\_TIMEOUT\_NEW\_CFG: Unable to Process Configuration Created by [chars] on Switch [chars] for Target [chars] because ACL module timed out on Module [dec]

**Explanation** FC-Redirect is unable to program ACL entries. Possible cause can be linecard is being upgraded/rebooted.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-ACL\_TIMEOUT\_TRUNK\_PORT\_UP: Unable to program trunk port I/F [chars] because ACL module timed out on Module [dec]

**Explanation** FC-Redirect is unable to program ACL entries. Possible cause can be linecard is being upgraded/rebooted.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-FC\_REDIRECT\_SYSMGR\_INSTALL\_FAIL\_ACTIVE\_CONFIG: FC-Redirect Active Config Exists. Hitful Downgrade Rejected

**Explanation** FC-Redirect Downgrade to versions 3.2 and lower is not supported, if Active Configuration Exist. Hitful Downgrade for the module is rejected. Please use show fc-redirect configs command and remove appropriate configuration from the applications.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-FC\_REDIRECT\_SYSMGR\_INSTALL\_FAIL\_PASSIVE\_CONFIG: FC-Redirect Configs Exist. Hitful Downgrade Rejected

**Explanation** FC-Redirect Downgrade to versions 3.2 and lower is not supported, if Configuration Exist on this switch. Hitful Downgrade for the module is rejected. Before doing a HITFUL downgrade to any version lower than 3.2.1, Please use clear fc-redirect decommission-switch.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-FC\_REDIRECT\_SYSMGR\_INSTALL\_FAIL\_V2\_CONFIG: FC-Redirect V2 Configs Exist. Hitful Downgrade Rejected

**Explanation** FC-Redirect Downgrade to versions 3.3.1 and lower is not supported, if Version-2 Configuration Exist. Hitfull Downgrade for the module is rejected.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-FC\_REDIRECT\_SYSMGR\_INSTALL\_FAIL: Hitful Downgrade Rejected. Reason: [chars]

**Explanation** FC-Redirect Downgrade to NXOS 4.x or lower is not allowed if the following is true: 1) IVR support is enabled IVR is enabled locally or if FCR app has crested some configurations on local switch 2) FCR has some configuration for local FPC devices Hitful Downgrade for the module is rejected.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-FLOGI\_REJECTED\_DEV\_ONLINE\_WITH\_DIFFERENT\_FCID: Vsan: [dec], Interface: [chars] on Module [dec], Device PWWN: [chars], Existing fcid: [hex], New\_fcid: [hex]

**Explanation** FC-Redirect Rejected FLOGI request as it already has the PWWN with a different FCID in its database.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-FLOGI\_REJECTED\_FCR\_IVR\_FLOW\_LC1\_USED: [chars] [chars],  
Vsan: [dec], Interface: [chars] on Module [dec], fcr\_cfg\_vsan: [dec],  
other\_dev\_in\_flow: [chars] [chars]

**Explanation** FC-Redirect Rejected FLOGI request as the port is on a Gen-1 Line Card and is part of IVR flow with FC-Redirect configuration in vsan fcr\_cfg\_vsan.'

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-INCOMPATIBLE\_SWITCH\_IN\_FABRIC: An Incompatible Switch  
[chars] added to fabric when FC-Redirect is configured in Version 2 Mode.

**Explanation** FC-Redirect is Configured in Version 2 Mode. A switch with FC-Redirect version 3.2.x in the fabric is NOT supported in this mode. FC-Redirect has locked the Fabric. No more FC-Redirect configuration changes would be allowed till this switch is disconnected.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-IVR\_DEV\_UP\_REJECTED\_DEV\_ONLINE\_WITH\_DIFFERENT\_FCID: Vsan:  
[dec], Device PWWN: [chars], Existing fcid: [hex], New\_fcid: [hex]

**Explanation** FC-Redirect Rejected Device UP request from IVR as it already has the pwwn with a different FCID in its database.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-IVR\_SUPPORT\_ENABLE\_REJECTED\_IVR\_FCR\_CFG\_ALREADY\_EXISTS:  
Req Src: [chars]

**Explanation** FC-Redirect service rejected a request to enable support for IVR flows as it received an error when registering with AAM module. FCR config for IVR virtual devices already exists though IVR support is not enabled. This is not supported. Please remove the appropriate FCR application config and retry again.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-IVR\_SUPPORT\_ENABLE\_REJECTED: Req Src: [chars], Error Code:  
[hex] ([chars])

**Explanation** FC-Redirect service rejected a request to enable support for IVR flows as it received an error when registering with AAM module.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-PCMAP\_ERR\_TRUNK\_PORT\_UP:PORT\_UP request for first member of  
Port-channel [chars] Failed due to PCMAP Error seen by FC-Redirect'

**Explanation** FC-Redirect encountered a PCMAP Error (Internal Error) when processing PORT\_UP request for the first member in port channel. The PORT\_UP request was rejected.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-TGT\_NOT\_ATTACHED\_TO\_FCR\_SWITCH: FC-Redirect Configuration vsan: [dec], Tgt: [chars] VT: [chars] - Tgt is online, but not connected to a switch running FC-Redirect.

**Explanation** FC-Redirect requires that targets must be connected to a switch running FC-Redirect. Please Check Config.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-TRUNK\_PORT\_UP\_REJ\_FCR\_IVR\_FLOW\_LC1\_USED: Vsan: [dec], trunk port I/F [chars] on Module [dec], dev: [chars], dev\_type: [chars], dev\_vsan: [dec]

**Explanation** FC-Redirect Rejected Port Bringup request as the port is on a Gen-1 Line Card and the Vsan is used by FC-Redirect/IVR flow FC-Redirect does NOT support Gen-1 Line Cards for IVR virtual devices with FC-Redirect Configuration.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-V2\_ENABLE\_CFG\_CHG\_CFS\_SW\_ERR: Error\_Switch: [chars] did not respond to request to change all configurations to Version 2 Mode.

**Explanation** FC-Redirect did not receive a response from Error\_Switch for a CFS broadcast to update all configurations to Version2 mode. Attempt to configure Version2 mode Failed. All FC-Redirect switches are now in Error Mode. Please make sure the fabric is stable and retry the Configuration command: fc-redirect version2 enable.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-V2\_ENABLE\_UNLOCK\_V1\_TO\_V2\_DONE\_CFS\_SW\_ERR: Error\_Switch: [chars] did not respond to request to unlock FC-Redirect Configurations after configuring Version 2 Mode.

**Explanation** FC-Redirect did not receive a response from Error\_Switch' for a CFS broadcast to unlock FC-Redirect configurations after converting them to Version 2 mode. Attempt to configure Version 2 mode Failed. All FC-Redirects switches are now in Error Mode. Please make sure the fabric is stable and retry the Configuration command: 'fc-redirectversion2enable'

**Recommended Action** No action is required.

**Message** FC-REDIRECT-2-V2\_ENABLE\_UNLOCK\_V2\_TO\_V1\_DONE\_CFS\_SW\_ERR: Error\_Switch: [chars] did not respond to request to unlock FC-Redirect Configurations after disabling Version 2 Mode.

**Explanation** FC-Redirect did not receive a response from Error\_Switch' for a CFS broadcast to unlock FC-Redirect configurations after disabling Version 2 mode. Attempt to disable Version 2 mode Failed. All FC-Redirects switches are now in Error Mode. Please make sure the fabric is stable and retry the Configuration command: 'no fc-redirectversion2enable'

**Recommended Action** No action is required.

## FC-REDIRECT-3

**Message** FC-REDIRECT-3-CFG\_REQ\_REJECTED\_APPL\_SW\_LOWER\_VER: vsan: [dec], Tgt: [chars], VT: [chars], Appl\_Switch: [chars], Slot: [dec], Service: [chars] ([dec]), ivr\_dev: [chars], req\_type: [chars], appl\_sw\_ver: [dec]

**Explanation** FC-Redirect rejected configuration request for IVR Virtual device as the application switch has NXOS lower than 5.x. FC-Redirect requires the following to be configured before FC-Redirect based applications can create configuration for IVR Virtual devices: 1) IVR AAM register be enabled (config command) 2) FC-Redirect ivr-support enable (Config command) 3) All IVR enabled switches and FC-Redirect application switches must be running NXOS version 5.x or higher.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-CFG\_REQ\_REJECTED\_IVR\_AAM\_NOT\_REGISTERED: vsan: [dec], Tgt: [chars], VT: [chars], Switch: [chars], Slot: [dec], Service: [chars] ([dec]), ivr\_dev: [chars], req\_type: [chars]

**Explanation** FC-Redirect rejected configuration request for IVR Virtual device as IVR-Support is disabled. FC-Redirected requires the following to be configured before FC-Redirect based applications can create configuration for IVR Virtual devices: 1) IVR AAM register be enabled (config command) 2) FC-Redirect ivr-support enable (Config command)

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-CFG\_REQ\_REJECTED\_IVR\_SUPPORT\_DISABLED: vsan: [dec], Tgt: [chars], VT: [chars], Switch: [chars], Slot: [dec], Service: [chars] ([dec]), ivr\_dev: [chars], req\_type: [chars]

**Explanation** FC-Redirect rejected configuration request for IVR Virtual device as IVR-Support is disabled. FC-Redirected requires the following to be configured before FC-Redirect based applications can create configuration for IVR Virtual devices: 1) IVR AAM register be enabled (config command) 2) FC-Redirect ivr-support enable (Config command) 3) All IVR enabled switches and FC-Redirect application switches must be running NXOS version 5.x or higher.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-CFS\_PRE\_CHK\_FCR\_ERR: Pre-chk request Rejected by FC-Redirect on Peer Switch: Err Sw: [chars], status: [dec] ([chars])

**Explanation** The Pre-Check message is currently used when enabling/disabling Version 2 or ivr-support in fc-redirect. An appropriate sys err would be generated for the purpose.

**Recommended Action** No action is required.



**Message** FC-REDIRECT-3-CFS\_PRE\_CHK\_SW\_ERR: FC-Redirect did not recv. rsp from Peer switch. Error Switch: [chars], CFS rc: [dec], rsp size: [dec]

**Explanation** The pre-check message is currently used when enabling/disabling Version 2 or ivr-support in fc-redirect. An appropriate sys err would be generated for the purpose.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-CFS\_REQ\_SEND\_ERR: req\_type: [dec], req\_size = [dec], Error = [dec] ([chars])

**Explanation** FC-Redirect Failed to send CFS request.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-CFS\_RSP\_SEND\_ERR: req\_type: [dec], rrtoken = [dec], rsp\_size = [dec], error = [dec] ([chars])

**Explanation** FC-Redirect Failed to send CFS response.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-CFS\_SEND\_REGISTER\_ERR: syserr: [hex] ([chars])

**Explanation** FC-Redirect Failed to send register request to CFS.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-DELETE\_CFG\_CFS\_FCR\_ERR\_PEER\_IN\_ERR\_STATE: Tgt: [chars], VT: [chars], Switch [chars], Slot: [dec], Service [chars], Error\_Switch: [chars]

**Explanation** FC-Redirect on 'switch Error\_Switch' rejected delete\_config broadcast. Ignore this error if this was caused by 'test fc-redirect config sync-with-fabric' command. If not, FC-Redirect configuration is out of sync across the fabric. Please force 'Error\_Switch' to sync with the fabric again using 'test fc-redirect config sync-with-fabric' command

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-DELETE\_CFG\_CFS\_FCR\_ERR: Tgt: [chars], VT: [chars], Switch: [chars], Slot: [dec], Service: [chars], Error\_Switch: [chars], FCR CFS error code = [dec] ([chars])

**Explanation** FC-Redirect on 'switch Error\_Switch' rejected delete\_config broadcast. Ignore this error if this was caused by 'test fc-redirect config sync-with-fabric' command. If not, FC-Redirect configuration is out of sync across the fabric. Please force 'Error\_Switch' to sync with the fabric again using 'test fc-redirect config sync-with-fabric' command.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-DELETE\_CFG\_CFS\_SW\_ERR: vsan: [dec], Tgt: [chars], VT: [chars], Switch: [chars], Slot: [dec], Service: [chars], Error\_Switch: [chars], CFS error code = [dec]

**Explanation** FC-Redirect did not receive a response from 'Error\_Switch' for delete\_cfg CFS broadcast. FC-Redirect configuration is out of sync across the fabric. Please delete this configuration and retry it.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-FAILOVER\_CFG\_PRE\_CHK\_CFS\_FCR\_ERR\_PEER\_IN\_ERR\_STATE: Tgt: [chars], Old VT: [chars], New VT: [chars], Switch: [chars], Slot: [dec], Service: [chars] ([dec]), Error\_Switch: [chars]

**Explanation** FC-Redirect on switch Error\_Switch 'rejected Config PRE\_CHECK broadcast for new\_config as it is in 'Error' state. Create Fail over Config request from the application was rejected. Please resolve the conflict that caused the error state and force 'error-switch' to sync with the fabric again using 'test fc-redirect config sync-with-fabric' command.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-FAILOVER\_CFG\_PRE\_CHK\_CFS\_FCR\_ERR: Tgt: [chars], Old VT: [chars], New VT: [chars], Switch: [chars], Slot: [dec], Service: [chars] ([dec]), Error\_Switch: [chars], FCR CFS error code = [dec] ([chars])

**Explanation** FC-Redirect on switch Error\_Switch' rejected Config pre-check broadcast for Create Config. Create Failover\_Config request from application was rejected

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-FAILOVER\_CFG\_PRE\_CHK\_CFS\_SW\_ERR: Tgt: [chars], Old VT: [chars], New VT: [chars], Switch: [chars], Slot: [dec], Service: [chars] ([dec]), Error\_Switch: [chars], CFS error code = [dec]

**Explanation** C-Redirect on switch Error\_Switch' rejected Config pre-check broadcast for Create Config. Create Failover\_Config request from application was rejected

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-FC\_REDIRECT\_CFG\_REJECTED\_DEFAULT\_ZONE\_ENTRY\_PERMIT: CFG Rejected: Application: [chars], Target: [chars], vsan: [dec]

**Explanation** FC-Redirect rejected configuration request from the Application as default zone entry for the VSAN is configured as PERMIT. FC-Redirect requires that the default zone entry be DENY for all VSANs with FC-Redirect configuration. FC-Redirect will reject all further FC-Redirect configurations in this vsan till default zone entry is set to DENY. Please set default zone entry to DENY.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-FC\_REDIRECT\_CFS\_NEW\_CFG\_REJECTED\_ZONE\_DEFAULT\_ENTRY\_PERMIT : Default Zone Entry is permit in vsan [dec]. New CFG from switch [chars] rejected. App: [chars], tgt: [chars], vt: [chars].

**Explanation** FC-Redirect requires the default zone entry be configured as DENY for vsans with devices that have FC-Redirect configurations. But the specified vsan has default entry permit. FC-Redirect rejected new cfg request from app' on the specified switch. Please change the Default zone entry to DENY for the vsan.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-FC\_REDIRECT\_FC2\_UNEXPECTED\_FRAME\_FRM\_AAM: Unexpected FC2 Frame received by FC-Redirect SID: [hex], DID: [hex], VSAN: [dec], IFindex: [chars]

**Explanation** FC-Redirect received a FC2 frame for some unknown WWN, which it is not expecting. FC-Redirect cannot handle this frame and hence dropping it. This is an internal AAM Error and should not have been forwarded to Fc-Redirect.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-FC\_REDIRECT\_REJECT\_IVR\_VIRT\_DEV\_BRINGUP\_FCR\_VIRT\_DEV: Vsan: [dec], IVR Virtual Device: [chars], FCR Virtual Dev Type: [chars].

**Explanation** IVR is trying to bring up a Virtual device whose PWWN is same as FC-Redirect Virtual Device. This is a mis-configuration.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-FC\_REDIRECT\_REJECT\_IVR\_VIRT\_DEV\_BRINGUP\_IVR\_SUPPORT\_DISABLED: Vsan: [dec], IVR Virtual Device: [chars]

**Explanation** IVR is trying to bring up a Virtual device. FC-Redirect already has a configuration for that device - But FC-Redirect IVR-Support is currently disabled. This is a mis-Configuration. FC-Redirect IVR-Support must be enabled before configuring FC-Redirect based applications to use IVR Virtual devices. FC-Redirect rejected IVR device bring-up. Please delete the relevant application configuration before proceeding further.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-FC\_REDIRECT\_REJECT\_IVR\_VIRT\_DEV\_BRINGUP\_SANITY\_ERR: Vsan: [dec], IVR Virtual Device: [chars], Action: [dec].

**Explanation** IVR is trying to bring up a Virtual device - But the Message has some Sanity Errors. FC-Redirect failed IVR Device Bringup.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-FC\_REDIRECT\_ZONE\_DEFAULT\_ENTRY\_PERMIT: Default zone entry set to PERMIT in vsan [dec]. This vsan has FC-Redirect configs. FC-redirect requires Default Zone be DENY. All further FC-Redirect configuration requests in this vsan will be rejected till default zone entry is configured as DENY.

**Explanation** FC-Redirect requires the default zone entry be configured as DENY for VSANs with devices that have FC-Redirect configurations. But the specified vsan has default zone entry configured as permit. FC-Redirect will reject all further FC-Redirect configuration in this vsan till default entry is configured as DENY. Please set default zone entry to DENY.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-GCD\_CFS\_SW\_ERR: CFS Error. Error\_Switch: [chars], VT: [chars], CFS swresp\_reason\_code: [chars]([dec]), swresp\_size: [dec], cfs\_sanity\_error\_code: [dec], attempt: [dec]/[dec]

**Explanation** CFS failure. FC-Redirect moved peer to Error state

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-GCS\_CFS\_SW\_ERR: CFS Error. Error\_Switch: [chars], CFS swresp\_reason\_code: [chars]([dec]), swresp\_size: [dec], cfs\_sanity\_error\_code: [dec], attempt: [dec]/[dec]

**Explanation** CFS failure. FC-Redirect moved peer to Error state

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-INTERNAL\_ERROR: [chars]

**Explanation** FC-Redirect Encountered an Internal Error.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-IVR\_SUPPORT\_DISABLE\_REJECTED\_PEER\_SW\_ERR\_STATE: Failed to Disable IVR Support - Error\_Switch: [chars], peer\_in\_err\_state: [chars]

**Explanation** The command 'no fc-redirect ivr-support enable' Failed. FC-Redirections with 'Error\_Switch' rejected pre-check for IVR Support Disable request as it has one of its peer switches 'peer\_in\_err\_state' in Error state. Please resolve the conflict that caused the error state and force 'error-switch' to sync with the fabric again using 'test fc-redirect config sync-with-fabric' command.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-IVR\_SUPPORT\_DISABLE\_REJ\_PEER\_WITH\_CFG\_FOR\_IVR\_VIRT\_DEV: Failed to Disable IVR Support - Error\_Switch: [chars]

**Explanation** The command 'no fc-redirect ivr-support enable' Failed. FC-Redirection switch 'Error\_Switch' rejected pre-check for IVR Support Disable request as it has FC-Redirect configuration for IVR Virtual Devices. Please remove the concerned application configuration and retry the command

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-IVR\_SUPPORT\_DISABLE\_REJ\_PRECHK\_CFS\_FCR\_ERR: Failed to Disable IVR Support - Error\_Switch: [chars]

**Explanation** The command 'no fc-redirect ivr-support enable' Failed. FC-Redirection switch 'Error\_Switch' rejected the pre-check request.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-IVR\_SUPPORT\_DISABLE\_REJ\_PRECHK\_CFS\_SW\_ERR: Failed to Disable IVR Support - Error\_Switch: [chars]

**Explanation** The command 'no fc-redirect ivr-support enable' Failed. FC-Redirection switch 'Error\_Switch' did not respond to pre-check for IVR Support Disable request'

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-IVR\_VIRT\_DEV\_BRINGUP\_REJECTED\_LC1\_ACTIVE: Curr\_Vsan: [dec], IVR Virtual Device: [chars], vsan\_with\_gen1\_ISL: [dec]

**Explanation** IVR is trying to bring up a Virtual device in Curr\_Vsan for which FC-Redirect configuration exists on this switch. This is a mis-configuration. FC-Redirect does NOT support ports (FX or ISLs) on Gen-1Cards if there is configuration for IVR Virtual Devices. Please shut down the gen-1ports involved in FCR-IVR flows and retry again

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-MODIFY\_CFG\_CFS\_FCR\_ERR\_PEER\_IN\_ERR\_STATE: Tgt: [chars], VT: [chars], Switch [chars], Slot: [dec], Service [chars], Error\_Switch: [chars]

**Explanation** FC-Redirect on switch 'Error\_Switch' rejected modify\_config broadcast as it is in 'Error' state. FC-Redirect configuration is out of sync across the fabric. Please resolve the conflict that caused the error state and force 'Error\_Switch' to sync with the fabric again using 'test fc-redirect config sync-with-fabric' command

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-MODIFY\_CFG\_CFS\_FCR\_ERR: Tgt: [chars], VT: [chars], Switch [chars], Slot: [dec], Service: [chars], Error\_Switch: [chars], FCR CFS error code = [dec] ([chars])

**Explanation** FC-Redirect on switch 'Error\_Switch' rejected modify\_config broadcast as it is in 'Error' state. FC-Redirect configuration is out of sync across the fabric. Please delete this configuration and retry it.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-MODIFY\_CFG\_CFS\_SW\_ERR: vsan: [dec], Tgt: [chars], VT: [chars], Switch: [chars], Slot: [dec], Service: [chars], Error\_Switch: [chars], CFS error code = [dec]

**Explanation** FC-Redirect did not receive a response from Error\_Switch' for modify\_cfg CFS broadcast. FC-Redirect configuration is out of sync across the fabric. Please delete this configuration and retry it.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-MTS\_RSP\_SEND\_ERR: MTS Opcode: [dec], rrtoken = [dec], rsp\_size = [dec], errno = [dec] ([chars])

**Explanation** FC-Redirect Failed to send MTS response.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-NEW\_CFG\_CFS\_FCR\_ERR\_PEER\_IN\_ERR\_STATE: Tgt: [chars], VT: [chars], Switch [chars], Slot: [dec], Service: [chars], Error\_Switch: [chars]

**Explanation** FC-Redirect on switch Error\_Switch' rejected new\_config broadcast as it is in 'Error' state. FC-Redirect configuration is out of sync across the fabric. Please resolve the conflict that caused the error state and force 'error-switch' to sync with the fabric again using 'test fc-redirect config sync-with-fabric' command.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-NEW\_CFG\_CFS\_FCR\_ERR: Tgt: [chars], VT: [chars], Switch [chars], Slot: [dec], Service: [chars], Error\_Switch: [chars], FCR CFS error code = [dec] ([chars])

**Explanation** FC-Redirect on switch Error\_Switch' rejected new\_config broadcast. FC-Redirect configuration is out of sync across the fabric. Please delete this configuration and retry it.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-NEW\_CFG\_CFS\_SW\_ERR: vsan: [dec], Tgt: [chars], VT: [chars], Switch: [chars], Slot: [dec], Service: [chars], Error\_Switch: [chars], CFS error code = [dec]

**Explanation** FC-Redirect did not receive a response from Error\_Switch' for new\_cfg CFS broadcast. FC-Redirect configuration is out of sync across the fabric. Please delete this configuration and retry it.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-NEW\_CFG\_PRE\_CHK\_CFS\_FCR\_ERR\_PEER\_IN\_ERR\_STATE: Tgt: [chars], VT: [chars], Switch: [chars], Slot: [dec], Service: [chars] ([dec]), Error\_Switch: [chars]

**Explanation** FC-Redirect on switch Error\_Switch' rejected Config PRE\_CHECK broadcast for new\_config as it is in 'Error' state. NEW\_CONFIG request from the application was rejected. Please resolve the conflict that caused the error state and force 'error-switch' to sync with the fabric again using 'test fc-redirect config sync-with-fabric' command.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-NEW\_CFG\_PRE\_CHK\_CFS\_FCR\_ERR: Tgt: [chars], VT: [chars], Switch: [chars], Slot: [dec], Service: [chars] ([dec]), Error\_Switch: [chars], FCR CFS error code = [dec] ([chars])

**Explanation** FC-Redirect on switch Error\_Switch' rejected Config pre-check broadcast for Create\_Config. Create\_config request from application was rejected.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-NEW\_CFG\_PRE\_CHK\_CFS\_SW\_ERR: Tgt: [chars], VT: [chars], Switch: [chars], Slot: [dec], Service: [chars] ([dec]), Error\_Switch: [chars], CFS error code = [dec]

**Explanation** FC-Redirect did not receive a response from Error\_Switch' for Config pre-check CFS broadcast for new config. Create Config request was rejected.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-REPLACE\_VT\_CFG\_CFS\_FCR\_ERR\_PEER\_IN\_ERR\_STATE: Tgt: [chars], VT: [chars], Switch [chars], Slot: [dec], Service: [chars], Error\_Switch: [chars]

**Explanation** FC-Redirect on switch 'Error\_Switch' rejected replace\_vt request as it is in 'Error' state. FC-Redirect configuration is out of sync across the fabric. Please resolve the conflict that caused the error state and force 'Error\_Switch' to sync with the fabric again using 'test fc-redirect config sync-with-fabric' command.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-UNKNOWN\_CFS\_REQ\_ERR: CFS req\_type: [dec], Error\_Switch: [chars]

**Explanation** FC-Redirect on switch Error\_Switch' rejected CFS Request of type 'req\_type'.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-V2\_ENABLE\_ERR\_CFS\_SW\_ERR: Error\_Switch: [chars] did not respond to request to abort fc-redirectversion2enable'command.'

**Explanation** FC-Redirect did not receive a response from Error\_Switch' for a CFS broad cast to abort 'fc-redirect version 2 enable' command. Attempt to configure Version 2 mode Failed. Please make sure the fabric is stable and retry the Configuration command: 'fc-redirect version 2 enable'

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-V2\_ENABLE\_LOCK\_CFS\_SW\_ERR: Error\_Switch: [chars] did not respond to lock FC-Redirect configurations.

**Explanation** FC-Redirect did not receive a response from Error\_Switch' for CHG\_MODE\_LOCKCFS broadcast. Attempt to configure Version 2 mode Failed.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-V2\_ENABLE\_PRECHK\_CFS\_SW\_ERR: Error\_Switch: [chars] did not respond to pre-check request for fc-redirect version 2 enable' command.'

**Explanation** FC-Redirect did not receive a response from Error\_Switch' for a CFS broad cast to check if 'fc-redirect version 2 enable' command can be executed. Attempt to configure Version 2 mode Failed. Please make sure the fabric is stable and retry the Configuration command: 'fc-redirect version 2 enable'

**Recommended Action** No action is required.

**Message** FC-REDIRECT-3-V2\_ENABLE\_UNLOCK\_V1\_TO\_V2\_ABORT\_CFS\_SW\_ERR: Error\_Switch: [chars] did not respond to request to unlock FC-Redirect Configurations.

**Explanation** FC-Redirect did not receive a response from Error\_Switch' for a CFS broadcast to unlock FC-Redirect configurations when aborting the attempt to configure Version 2 Mode. Attempt to configure Version 2 mode Failed. Please make sure the fabric is stable and retry the Configuration command: 'fc-redirect version 2 enable'

**Recommended Action** No action is required.



**Message** FC-REDIRECT-3-V2\_ENABLE\_UNLOCK\_V2\_TO\_V1\_ABORT\_CFS\_SW\_ERR: Error\_Switch: [chars] did not respond to request to unlock FC-Redirect Configurations

**Explanation** FC-Redirect did not receive a response from Error\_Switch' for a CFS broadcast to unlock FC-Redirect configurations when aborting the attempt to configure Version 2 Mode. Attempt to configure Version 2 mode Failed. Please make sure the fabric is stable and retry the Configuration command: 'fc-redirect version 2 enable'

**Recommended Action** No action is required.

## FC-REDIRECT-5

**Message** FC-REDIRECT-5-ADD\_HOST\_APPL\_REQ: FC-Redirect Configuration Host added for Service [chars] enabled on Switch [chars] Slot [dec] Tgt: [chars] Vt: [chars] Host: [chars] Vi: [chars] vsan: [dec]

**Explanation** Redirect Service requested for the Host / Tgt Pair

**Recommended Action** No action is required.

**Message** FC-REDIRECT-5-DECOMMISSIONED\_SWITCH: FC-Redirect Decommissioned [chars] on Local Switch

**Explanation** FC-Redirect Service has been decommissioned on this Switch.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-5-DEL\_HOST\_APPL\_REQ: Service [chars] enabled on Switch [chars] Slot [dec] no longer requires FC-Redirect services for Host [chars] Tgt [chars] pair, vsan: [dec]

**Explanation** Redirect Service removed for the Host / Tgt Pair

**Recommended Action** No action is required.

**Message** FC-REDIRECT-5-DEL\_VT\_APPL\_REQ: FC-Redirect Configuration vsan: [dec], Tgt: [chars] VT: [chars] Deleted for Service [chars] Created by Switch [chars] Slot [dec] on application request

**Explanation** Application has requested this deletion

**Recommended Action** No action is required.

**Message** FC-REDIRECT-5-DEL\_VT\_CLI\_CLEAR\_CFG: FC Redirect Configuration deleted. vsan: [dec], Tgt: [chars], VT: [chars], Service: [chars], Switch [chars], Slot [dec].

**Explanation** FC Redirect Configuration deleted because of the cli command clear fc-redirect config vt<vt-pwwn

**Recommended Action** No action is required.

**Message** FC-REDIRECT-5-DEL\_VT\_DECOM\_SW: FC Redirect Configuration deleted: vsan: [dec], Tgt: [chars], VT: [chars], Service: [chars], Switch [chars], Slot [dec].

**Explanation** FC Redirect Configuration deleted because FC Redirect on this switch was decommissioned

**Recommended Action** No action is required.

**Message** FC-REDIRECT-5-DEL\_VT\_LOCAL\_CFG\_REQ\_FROM\_PEER: FC Redirect Configuration deleted: vsan: [dec], Tgt: [chars], VT: [chars], Service: [chars], Switch: [chars], Slot: [dec], Peer Switch: [chars].

**Explanation** FC Redirect Configuration deleted because of request from peer.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-5-DEL\_VT\_PENDING\_DEL: FC Redirect Configuration deleted. vsan: [dec], Tgt: [chars], VT: [chars], Service: [chars], Switch: [chars], Slot: [dec], Peer Switch: [chars].

**Explanation** Peer\_Switch had deleted the configuration when it lost connectivity with this switch. Configuration on this switch is now deleted when connection was restored and FC Redirect synced with the Peer\_Switch.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-5-DEL\_VT\_REMOTE\_CFG\_REQ: FC Redirect Configuration deleted: vsan: [dec], Tgt: [chars], VT: [chars], Service: [chars], Switch [chars], Slot [dec].

**Explanation** FC Redirect Configuration created by a peer deleted because of local application request.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-5-DEL\_VT\_SYNC\_UP\_WITH\_PEER: FC Redirect Configuration deleted. vsan: [dec], Tgt: [chars], VT: [chars], Service: [chars], Switch [chars], Slot [dec].

**Explanation** FC Redirect Configuration deleted as the peer switch that created the configuration has deleted it. This happened when FC Redirect synced with the peer switch.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-5-DEL\_VT\_TIMEOUT: FC-Redirect Configuration vsan: [dec], Tgt: [chars] VT: [chars] Deleted for Service [chars] Created by Switch [chars] Slot [dec] because of Timeout

**Explanation** Application has not become online within configured timeout value

**Recommended Action** No action is required.

**Message** FC-REDIRECT-5-DEL\_VT\_VSAN\_DEL: FC-Redirect Configuration Tgt: [chars] VT: [chars] Deleted for Service [chars] Created by Switch [chars] Slot [dec] because of VSAN [dec] deletion

**Explanation** Required Vsan for this configuration deleted in this switch

**Recommended Action** No action is required.

**Message** FC-REDIRECT-5-INFO: [chars]

**Explanation** FC-Redirect informational message.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-5-IVR\_SUPPORT\_DISABLED: IVR Support Disabled in FC\_Redirect. Source: [chars]

**Explanation** Admin has Disabled FC\_Redirect support for IVR flows.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-5-IVR\_SUPPORT\_DISABLE\_REJECTED: Req Src: [chars], Reason: [chars]

**Explanation** FC-Redirect service rejected a request to disable support for IVR flows

**Recommended Action** No action is required.

**Message** FC-REDIRECT-5-IVR\_SUPPORT\_ENABLED: IVR Support Enabled in FC\_Redirect.  
Source: [chars]

**Explanation** Admin has enabled FC\_Redirect support for IVR flows.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-5-REPLACE\_VT\_APPL\_REQ: FC Redirect delete configuration request: vsan: [dec], Tgt: [chars], VT: [chars], Created by Switch: [chars], Slot: [dec], for Service: [chars] requested by app on switch [chars].

**Explanation** FC Redirect has received a request from local Application to delete a config created by a remote switch.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-5-SYNC\_WITH\_FABRIC\_BY\_APP: FC-Redirect started Syncing with peers in Fabric because of request by Service [chars]

**Explanation** A local Service request FC-Redirect to sync FC-Redirect Configuration with the peer switches.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-5-SYNC\_WITH\_FABRIC\_CLI\_CMD: FC-Redirect started Syncing with peers in Fabric on CLI Command

**Explanation** test fc-redirect 'config sync-with-fabric' command was issued on this switch.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-5-SYNC\_WITH\_FABRIC\_REQ\_FROM\_PEER: FC-Redirect started Syncing with peers in Fabric because of request from peer Switch [chars].

**Explanation** FC-Redirect on Peer switch requested FC-Redirect to sync FC-Redirect Configuration with peer switches.

**Recommended Action** No action is required.

**Message** FC-REDIRECT-5-VT\_CREATE\_APPL\_REQ: FC-Redirect Configuration created for Service [chars] enabled on Switch [chars] Slot [dec] Tgts: [chars] Vt: [chars], vsan: [dec]

**Explanation** Configuration created because of Application Request

**Recommended Action** No action is required.

**Message** FC-REDIRECT-5-VT\_CREATE\_POWER\_UP: FC-Redirect Configuration created for Service [chars] enabled on Switch [chars] Slot [dec] Tgt: [chars] Vt: [chars], vsan: [dec]

**Explanation** Configuration created after Power-Up

**Recommended Action** No action is required.

**Message** FC-REDIRECT-5-VT\_CREATE\_PROCESS\_RESTART: FC-Redirect Configuration created for Service [chars] enabled on Switch [chars] Slot [dec] Tgt: [chars] Vt: [chars], vsan: [dec]

**Explanation** Configuration created after Process Restart

**Recommended Action** No action is required.

**Message** FC-REDIRECT-5-VT\_CREATE\_SWITCHOVER: FC-Redirect Configuration created for Service [chars] enabled on Switch [chars] Slot [dec] Tgt: [chars] Vt: [chars], vsan: [dec]

**Explanation** Configuration created after SUP Switchover

**Recommended Action** No action is required.

## FC-TUNNEL Messages

This section contains the FC-TUNNEL messages.

### FC-TUNNEL-3

**Message** FC-TUNNEL-3-INTERNAL\_ERROR: Internal error: [chars]

**Explanation** FCMPPLS tunnel process encountered a general error, one that does not fall in any of the categories. [chars] describes the error and its context.

**Recommended Action** No action is required.

**Message** FC-TUNNEL-3-IPFC\_ERROR: IPFC API, [chars], failed with error [hex]

**Explanation** FCMPPLS tunnel invoked IPFC API and received the error code. [chars] describes the API and 0x[hex] specifies the error

**Recommended Action** No action is required.

**Message** FC-TUNNEL-3-MTS\_ERROR: MTS message transmission failed with error [dec]

**Explanation** FCMPPLS tunnel process unsuccessfully tried to send a MTS message. MTS error number is specified in [dec]

**Recommended Action** No action is required.

**Message** FC-TUNNEL-3-NS\_ERROR: FCNS API, [chars], failed with error [hex]

**Explanation** FCMPPLS tunnel invoked FCNS API and received the error code. [chars] describes the API and 0x[hex] specifies the error

**Recommended Action** No action is required.

**Message** FC-TUNNEL-3-PM\_ERROR: Port Manager API, [chars], failed with error [hex]

**Explanation** FCMPPLS tunnel invoked Port Manager API and received the error code. [chars] describes the API and 0x[hex] specifies the error

**Recommended Action** No action is required.

**Message** FC-TUNNEL-3-PSS\_CFG\_RESTORE\_ERROR: Configuration restoration for [chars] failed with error [hex]

**Explanation** FCMPPLS tunnel read the saved configuration and encountered an error while rebuilding the runtime configuration. [chars] describes the configuration which the process tried to restore and 0x[hex] is the system error code

**Recommended Action** No action is required.

**Message** FC-TUNNEL-3-PSS\_ERROR: PSS operation [chars] returned error: [hex]

**Explanation** [chars] specifies the context where the failure occurred and 0x[hex] specifies the error

**Recommended Action** No action is required.

**Message** FC-TUNNEL-3-PSS\_RTDB\_RESTORE\_ERROR: Runtime database restoration for [chars] failed with error [hex]

**Explanation** FCMPPLS tunnel read the saved runtime database and encountered an error while rebuilding the runtime database. [chars] describes the runtime database which the process tried to restore and 0x[hex] is the system error code

**Recommended Action** No action is required.

**Message** FC-TUNNEL-3-RIB\_ERROR: RIB API, [chars], failed with error [hex]

**Explanation** FCMPPLS tunnel invoked RIB API and received the error code. [chars] describes the API and 0x[hex] specifies the error

**Recommended Action** No action is required.

**Message** FC-TUNNEL-3-RSVP\_PROTO\_ERROR: RSVP protocol error: [chars]

**Explanation** RSVP-TE protocol error is encountered. [chars] describes the error and its context.

**Recommended Action** No action is required.

**Message** FC-TUNNEL-3-UNEXPECTED\_MTS\_MSG: Unexpected MTS message, opcode [dec], is received

**Explanation** FCMPPLS tunnel process received unexpected MTS event. MTS opcode is specified in [dec]

**Recommended Action** No action is required.

## FC-TUNNEL-5

**Message** FC-TUNNEL-5-MSG\_INTERFACE\_DOWN: Interface [chars] is down

**Explanation** The logical fc tunnel interface is down. This may be due to a reconfiguration on the fc tunnel, or issues on the underlying physical interface

**Recommended Action** If this is not due to a known reconfiguration, you should verify connectivity at the physical port level, and then on then on the fc tunnel interface. Furthermore, verify the physical ports along the fc tunnel path operate in the TE mode

**Message** FC-TUNNEL-5-MSG\_INTERFACE\_UP: Interface [chars] is up

**Explanation** The fc interface is up

**Recommended Action** No action is required.

## FCC\_LC Messages

This section contains the FCC\_LC messages.

## FCC\_LC-2

**Message** FCC\_LC-2-ERROR\_SENDING\_HEART\_BEAT: Error sending heart beat [dec]

**Explanation** FCC\_LC has error sending heart beat

**Recommended Action** No action is required.

**Message** FCC\_LC-2-EXITING: Exiting fcc\_lc: [chars]

**Explanation** FCC\_LC exiting

**Recommended Action** No action is required.

**Message** FCC\_LC-2-HEART\_BEAT\_NOT\_SENT: Heart beat not sent for [dec] millisecs

**Explanation** FCC\_LC has not sent heart beat

**Recommended Action** No action is required.

**Message** FCC\_LC-2-SHUTDOWN: Process shutting down: [chars]

**Explanation** FCC\_LC Process is shutting down

**Recommended Action** No action is required.

**Message** FCC\_LC-2-UNABLE\_READ\_DATA: Unable to read fcc data ([chars])

**Explanation** FCC is unable to read and process relevant FCC data

**Recommended Action** No action is required.

## FCC\_LC-5

**Message** FCC\_LC-5-BAD\_MSG: Received bad message: [chars]

**Explanation** FCC\_LC has received a malformed/unrecognized message

**Recommended Action** No action is required.

**Message** FCC\_LC-5-DISABLE: FCC\_LC has been disabled

**Explanation** FCC\_LC has been disabled

**Recommended Action** No action is required.



**Message** FCC\_LC-5-ENABLE: FCC\_LC has been enabled

**Explanation** FCC\_LC has been enabled

**Recommended Action** No action is required.

**Message** FCC\_LC-5-STARTING: FCC\_LC process started

**Explanation** Process started successfully

**Recommended Action** No action is required.

## FCC\_LC-6

**Message** FCC\_LC-6-PRIO\_UPDATE: Updated enable priority to [dec]

**Explanation** FCC\_LC is active for packets with priority <= [threshold]

**Recommended Action** No action is required.

## FCC Messages

This section contains the FCC messages.

### FCC-2

**Message** FCC-2-SHUTDOWN: Process shutting down: [chars]

**Explanation** FCC Process is shutting down

**Recommended Action** No action is required.

### FCC-5

**Message** FCC-5-BAD\_MSG: Received bad message: [chars]

**Explanation** FCC has received a malformed/unrecognized message

**Recommended Action** No action is required.

**Message** FCC-5-CONGESTION\_STATE\_CHANGE\_NOTIF: Received Congestion State Change notification to state: [dec]

**Explanation** FCC has received a Congestion State Change Notification

**Recommended Action** No action is required.

**Message** FCC-5-DISABLE: FCC has been disabled

**Explanation** FCC has been disabled

**Recommended Action** No action is required.

**Message** FCC-5-ENABLE: FCC has been enabled

**Explanation** FCC has been enabled

**Recommended Action** No action is required.

**Message** FCC-5-RATE\_LIMIT\_END\_NOTIF: Received Rate Limit End notification

**Explanation** FCC has received a Rate Limit End Notification

**Recommended Action** No action is required.

**Message** FCC-5-RATE\_LIMIT\_START\_NOTIF: Received Rate Limit Start notification

**Explanation** FCC has received a Rate Limit Start Notification

**Recommended Action** No action is required.

**Message** FCC-5-STARTING: FCC process started

**Explanation** Process started successfully

**Recommended Action** No action is required.

## FCC-6

**Message** FCC-6-PRIO\_UPDATE: Updated enable priority to [dec]

**Explanation** FCC is active for packets with priority <= [threshold]

**Recommended Action** No action is required.

## FCDDH Messages

This section contains the FCDDH messages.

## FCDDH-SLOT#-3

**Message** FCDDH-SLOT#-3-LOG\_FCDDH\_ERR: Nonrecoverable error - exiting: [chars]

**Explanation** Errors which cause program to exit occurred

**Recommended Action** No action is required.

## FCDDH-SLOT#-4

**Message** FCDDH-SLOT#-4-LOG\_FCDDH\_WARNING: Serious error: [chars]

**Explanation** Serious errors which affect all normal operations occurred

**Recommended Action** No action is required.

## FCDDH-SLOT#-5

**Message** FCDDH-SLOT#-5-LOG\_FCDDH\_DEBUG: Unexpected error: [chars]

**Explanation** Unexpected errors which affect some normal operations occurred

**Recommended Action** No action is required.

**Message** FCDDH-SLOT#-5-LOG\_FCDDH\_NOTICE: [chars]

**Explanation** Major configuration changes

**Recommended Action** No action is required.

## FCDD Messages

This section contains the FCDD messages.

## FCDD-SLOT#-3

**Message** FCDD-SLOT#-3-LOG\_FCDD\_ERR: Nonrecoverable error - exiting: [chars]

**Explanation** Errors which cause program to exit occurred

**Recommended Action** No action is required.

## FCDD-SLOT#-4

**Message** FCDD-SLOT#-4-LOG\_FCDD\_WARNING: Warning!: [chars]

**Explanation** Serious errors which affect all normal operations occurred

**Recommended Action** No action is required.

## FCDD-SLOT#-5

**Message** FCDD-SLOT#-5-LOG\_FCDD\_GCONF\_FSM: [chars]

**Explanation** Illegal event received in Global Configuration FSM

**Recommended Action** No action is required.

**Message** FCDD-SLOT#-5-LOG\_FCDD\_NOTICE: [chars]

**Explanation** Major configuration changes

**Recommended Action** No action is required.

**Message** FCDD-SLOT#-5-LOG\_FCDD\_RESCAN\_FSM: [chars]

**Explanation** Illegal event received in Rescan FSM

**Recommended Action** No action is required.

**Message** FCDD-SLOT#-5-LOG\_FCDD\_TZONE\_FSM: [chars]

**Explanation** Illegal event received in Twilight Zone Remover FSM

**Recommended Action** No action is required.

**Message** FCDD-SLOT#-5-LOG\_FCDD\_VCONF\_FSM: [chars]

**Explanation** Illegal event received in VSAN Configuration FSM

**Recommended Action** No action is required.

**Message** FCDD-SLOT#-5-LOG\_FCDD\_VNO\_FSM: [chars]

**Explanation** Illegal event received in VSAN Normal Operation FSM

**Recommended Action** No action is required.

## FCDD-SLOT#-7

**Message** FCDD-SLOT#-7-LOG\_FCDD\_DEBUG: [chars]

**Explanation** Unexpected errors which affect some normal operations occurred

**Recommended Action** No action is required.

## FCDOMAIN Messages

This section contains the FCDOMAIN messages.

### FCDOMAIN-2

**Message** FCDOMAIN-2-DOMS\_CONFLICT: Conflict detected: ([dec]) domain ID [dec] WWN [chars]

**Explanation** Conflict detected ([dec]) domain ID [dec] with WWN [chars].

**Recommended Action** Check which switches have the same WWN and change either one; then change the other domain ID.

**Message** FCDOMAIN-2-EPORT\_ISOLATED: Isolation of interface [chars] (reason: [chars])

**Explanation** Fcdomain has isolated interface [chars] (reason: [chars].) Perform a show interface. Based on the reason specified, you might have to ensure domains are adequate and unique in the VSAN and perform a disruptive restart [fcdomain restart disruptive vsan <vsan-id>] or to reinitialize the port.

**Recommended Action** No action is required.

**Message** FCDOMAIN-2-FC2BIND\_FAILED: Bind to FC2 Service failed

**Explanation** Fcdomain has not been able to contact the FC2 module.

**Recommended Action** No action is required.

**Message** FCDOMAIN-2-FC2\_INITIALIZATION\_FAILED: FC initialization sequence failed

**Explanation** The fcdomain has not been able to complete the initialization sequence with the Fibre Channel subsystem. fcdomain depends on resources not available at the moment: the switch might be short in memory or some other component might be unable to provide the necessary information to fcdomain.

**Recommended Action** No action is required.

**Message** FCDDOMAIN-2-FC2\_SET\_SOCKET\_DM\_SOCKET\_FAILED: set socket to FC2 Service failed

**Explanation** Fcddomain has not been able to set socket to the FC2 module.

**Recommended Action** No action is required.

**Message** FCDDOMAIN-2-FCID\_PERSISTENT\_TBL\_COMPLETELY\_FULL: FCID persistent table is completely full

**Explanation** The FCID persistent table is full. Perform [show fcddomain fcid persistent vsan <vsan-id>] to view the entries currently in the table. No more entries can be saved as persistent FCIDs across reboots.

**Recommended Action** Purge stale entries [purge fcddomain fcid] to obtain more free entries OR disable the feature on certain VSANs which are not critical enough [no fcddomain fcid persistent].

**Message** FCDDOMAIN-2-HIGH\_PRIORITY\_MTSBIND\_FAILED: Bind for high priority IPC failed

**Explanation** Fcddomain has not been able to contact the Inter Process Communication (IPC) module for its high priority queue.

**Recommended Action** No action is required.

**Message** FCDDOMAIN-2-INITIALIZATION\_FAILED: Initialization sequence failed

**Explanation** The fcddomain has not been able to complete the initialization sequence. fcddomain depends on resources not available at the moment: the switch might be short in memory or some other component might be unable to provide the necessary information to fcddomain.

**Recommended Action** No action is required.

**Message** FCDDOMAIN-2-MTSBIND\_FAILED: Bind to IPC failed

**Explanation** Fcddomain has not been able to contact the Inter Process Communication (IPC) module.

**Recommended Action** No action is required.

**Message** FCDDOMAIN-2-MTSREGISTRATION\_FAILED: Registration of opcodes with IPC Service failed

**Explanation** Fcddomain has not been able to register its messages with the Inter Process Communication (IPC) module.

**Recommended Action** No action is required.

**Message** FCDOMAIN-2-MTS\_INITIALIZATION\_FAILED: IPC initialization sequence failed

**Explanation** The fcdomain has not been able to complete the initialization sequence with the IPC (Inter Process Communication) subsystem. fcdomain depends on resources not available at the moment: the switch might be short in memory or some other component might be unable to provide the necessary information to fcdomain.

**Recommended Action** No action is required.

**Message** FCDOMAIN-2-MY\_NON\_VIRTUAL\_DOM\_CONFLICTS: During VSAN merge detected that the local switch has the same domain ID [dec] and WWN [chars] of another switch

**Explanation** It has been detected that the local switch has the same domain ID [dec] and WWN [chars] of another switch.

**Recommended Action** Check which switches have the same WWN and change either one; then change the other domain ID.

**Message** FCDOMAIN-2-NON\_VIRTUAL\_DOMS\_CONFLICTS: During VSAN merge detected conflict between two switches having the same non-virtual domain ID [dec] and the same WWN [chars]

**Explanation** It has been detected that two switches have the same non-virtual domain ID [dec] and the same WWN [chars].

**Recommended Action** Check which switches have the same WWN and change either one; then change the other domain ID.

**Message** FCDOMAIN-2-PSSBIND\_FAILED: Bind to Persistent Storage Service failed

**Explanation** Fcdomain has not been able to contact the Persistent Storage Service (PSS).

**Recommended Action** No action is required.

**Message** FCDOMAIN-2-RDIRJT: Rejected request for domain ID [dec], WWN request or [chars] (reason code [dec])

**Explanation** An invalid request for domain IDs has been rejected by fcdomain.

**Recommended Action** Perform [show fcdomain vsan <vsan-id>] for all the switches in the affected VSAN; if a switch does not have a valid current domain ID, configure preferred domain ID zero, then perform [fcdomain restart vsan <vsan-id>] in the affected VSAN.

**Message** FCDOMAIN-2-SYSBIND\_FAILED: Bind to System Manager service failed

**Explanation** Fcdomain has not been able to contact the System Manager.

**Recommended Action** No action is required.

**Message** FCDOMAIN-2-SYSMGR\_INITIALIZATION\_FAILED: System Manager initialization sequence failed

**Explanation** The fcdomain has not been able to complete the initialization sequence with the System Manager. fcdomain depends on resources not available at the moment: the switch might be short in memory or some other component might be unable to provide the necessary information to fcdomain.

**Recommended Action** No action is required.

## FCDOMAIN-3

**Message** FCDOMAIN-3-COMMITERRORLOCALINVALIDALLOWEDDOMS: A remote switch attempted to locally apply an illicit allowed domains configuration

**Explanation** A remote switch attempted to locally apply an allowed domains configuration that doesn't include all currently assigned domains or the locally configured domain.

**Recommended Action** No action is required.

**Message** FCDOMAIN-3-COMMITERRORREMOTEINVALIDALLOWEDDOMS: A remote switch (domain ID [dec], WWN [chars]) refuses to locally apply the proposed allowed domains

**Explanation** The remote switch with domain ID [dec] and WWN [chars] refuses to locally apply the proposed allowed domains probably due to incompatibility with its local configured domain or the domain ID list.

**Recommended Action** Check the configuration on the remote switch, and make sure that the proposed allowed domains include it. Also, make sure that the proposed allowed domains include all the domains in the domain ID list.

**Message** FCDOMAIN-3-MTSOPENRX\_FAILED: IPC failure (opening of a transaction failed)

**Explanation** Fcdomain was not able to open a transaction (HA Purposes).

**Recommended Action** No action is required.

**Message** FCDOMAIN-3-MTSRECV\_FAILED: IPC failure (receiving of a message failed)

**Explanation** Fcdomain has not been able to receive a message from the Inter Process Communication (IPC) module.

**Recommended Action** Please perform fcdomain restart in the affected VSAN (non disruptive).



**Message** FCDOMAIN-3-MTSRESP\_FAILED: IPC failure replying to a request message (error [hex])

**Explanation** Fcdomain has not been able to reply to a request coming from the Inter Process Communication (IPC) module (error [hex]).

**Recommended Action** Please perform fcdomain restart in the affected VSAN (non disruptive).

**Message** FCDOMAIN-3-MTSSSENDREQ\_FAILED: IPC failure (sending of a request failed)

**Explanation** Fcdomain was not able to send a request using the Inter Process Communication module.

**Recommended Action** Please perform [fcdomain restart vsan <vsan-id>] in the affected VSAN (non disruptive.)

**Message** FCDOMAIN-3-MTSSSEND\_FAILED: IPC failure (sending of a message (syserr [hex], opc [dec], mtsq [dec], sap.node [hex], sap\_addr [dec]) failed)

**Explanation** Fcdomain has not been able to send a message to the Message Transactional Service (MTS).

**Recommended Action** Please perform [fcdomain restart vsan <vsan-id>] in the affected VSAN (non disruptive).

**Message** FCDOMAIN-3-MTS\_H\_RECV\_FAILED: IPC failure (receiving of a message failed)

**Explanation** Fcdomain has not been able to receive a message from the Inter Process Communication (IPC) module.

**Recommended Action** Please perform fcdomain restart in the affected VSAN (non disruptive.)

**Message** FCDOMAIN-3-NVRAMFAILURE: NVRAM open failed

**Explanation** Reading the last assigned runtime domain IDs from Non Volatile RAM (NVRAM) failed.

**Recommended Action** Fcdomain is able to continue without access to the Non Volatile RAM (NVRAM.)

**Message** FCDOMAIN-3-PORT\_SUSPENDED: Response (Cmd Code [hex]) for SWILS [hex] intended for [chars] is received on [chars]

**Explanation** An FC2 response frame (Command Code [hex]) for SWILS [hex] that was intended for interface [chars] has been received on [chars] instead.

**Recommended Action** Check the configuration of both interfaces on the local switch and the interfaces on the other side of their corresponding links. In particular, check whether they should all belong to the same port-channel.

**Message** FCDOMAIN-3-SDWRAPBIND\_FAILED: Bind to debug server failed

**Explanation** Fcdomain feature has not been able to contact the debug service. Any problems occurring in the fcdomain feature will not be logged.

**Recommended Action** No action is required.

**Message** FCDOMAIN-3-SDWRAPHISTINIT\_FAILED: Initialization of history message list failed.

**Explanation** Fcdomain feature has not been able to contact the debug history service. Any problems occurring in the fcdomain feature will not be logged to this debug history.

**Recommended Action** No action is required.

**Message** FCDOMAIN-3-VSAN\_MERGE\_DETECTED: Merge detected with VSAN [dec] (Common Fabric Name [chars])

**Explanation** The local VSAN and VSAN [dec] have the same principal switch [chars], hence are connected in the same logical fabric.

**Recommended Action** No action is required.

## FCDOMAIN-4

**Message** FCDOMAIN-4-DM\_ALLOWED\_DM\_LIST\_MOD\_ON\_SUBORDINATE: Allowed domain list for vsan [dec] modified on subordinate switch with fcdomain distribution enabled

**Explanation** When distribution is enabled, it is recommended to modify the allow domain list on the principal switch only.

**Recommended Action** Abort the current session on the local switch and start a new one on the principal switch.

**Message** FCDOMAIN-4-FABRICCONFSTARTRCF: Disruptive reconfiguration started

**Explanation** A disruptive reconfiguration (RCF phase) of the VSAN has started. This can happen when two or more fabrics merge disruptively, or when the user manually triggers a disruptive reconfiguration of the VSAN.

**Recommended Action** No action is required.

**Message** FCDOMAIN-4-FC2\_CORRUPTED: Received malformed FC2 [chars] frame

**Explanation** Fcdomain received a malformed FC2-SWILS frame.

**Recommended Action** No action is required.

**Message** FCDOMAIN-4-FCID\_PERSISTENT\_TBL\_ALMOST\_FULL: FCID persistent table is almost full

**Explanation** Fcdomain has 80% or more of the FCID persistent table full with entries. Perform [show fcdomain fcid persistent vsan <vsan-id>] to view the entries currently in the table.

**Recommended Action** Purge stale entries [purge fcdomain fcid] to obtain more free entries.

## FCDOMAIN-5

**Message** FCDOMAIN-5-DOMAIN\_TYPE\_IS\_PREFERRED: The domain ID type is currently configured as preferred in all the existing VSANs

**Explanation** All the currently existing VSANs have the domain ID type configured as preferred. This means that with a low probability the domain ID of the local VSAN might change after a reconfiguration. A reconfiguration can happen when two or more VSANs are merged or a principal link flaps. A principal link is either an upstream or a downstream link.

**Recommended Action** Type [fcdomain domain <dom-id> static vsan <vsan-id>] to configure as static the domain ID type in an existing VSAN.

**Message** FCDOMAIN-5-FCIDP\_DISABLED: FCID persistent feature is currently not enabled in any of the existing VSANs

**Explanation** All the currently existing VSANs have the FCID persistent feature disabled.

**Recommended Action** Type [fcdomain fcid persistent vsan <vsan-id>] to enable FCID persistent in an existing VSAN. Type [fcdomain fcid persistent global-enable] to automatically enable the FCID persistent feature on all newly created VSANs.

**Message** FCDOMAIN-5-FCID\_PERSISTENT\_TBL\_HALF\_FULL: FCID persistent table is half full

**Explanation** Fcdomain has 50% of the FCID persistent table full with entries. Perform [show fcdomain fcid persistent vsan <vsan-id>] to view the entries currently in the table.

**Recommended Action** You may want to purge stale entries [purge fcdomain fcid] to obtain more free entries.

**Message** FCDOMAIN-5-UNKNOWNDOMAININCFSDATAREQUEST: Received CFS Data request from unknown domain [dec].

**Explanation** A CFS Data request from the unknown domain [dec] has been received.

**Recommended Action** No action is required.

**Message** FCDOMAIN-5-UNKNOWNDOMAININCFSLockREQUEST: Received CFS Lock request from unknown domain [dec].

**Explanation** A CFS Lock request from the unknown domain [dec] has been received.

**Recommended Action** No action is required.

**Message** FCDOMAIN-5-UNKNOWNDOMAININCFReleaseREQUEST: Received CFS Release request from unknown domain [dec].

**Explanation** A CFS Release request from the unknown domain [dec] has been received.

**Recommended Action** No action is required.

**Message** FCDOMAIN-5-UNKNOWNDOMAININUNKNOWNCFREQUEST: Received CFS request from unknown domain [dec].

**Explanation** A CFS request from the unknown domain [dec] has been received.

**Recommended Action** No action is required.

## FCDOMAIN-6

**Message** FCDOMAIN-6-BF\_STARTED: BF started by [chars]

**Explanation** Build Fabric has been started in this VSAN

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-CANNOTFREESINGLEFCID: Impossible to free single FCIDs

**Explanation** Impossible to free single FCIDs.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-CLEARLOCKNOTIFICATIONRECEIVED: Implicit lock release.

**Explanation** Lock has been implicitly released due to a clear session operation.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-DEVICEALREADYOWNSDIFFERENTFCIDS: The device already owns different FCIDs

**Explanation** Requested different FCIDs without any freeing in between.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-DOMAINID\_INVALID: Local domain ID invalid

**Explanation** The local domain ID is invalid.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-DOMAINID\_VALID: Local domain ID [dec] available

**Explanation** The domain ID [dec] is available.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-DOWNSTREAM\_SWITCHED: Downstream interface has been fast-switched from [chars] to [chars]

**Explanation** Because of a link failure the downstream interface has been fast-switched from [dec] to [dec].

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-EPORT\_ALREADY\_CREATED: Interface [chars] already created

**Explanation** Interface [chars] already created.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-EPORT\_ALREADY\_DOWN: Interface [chars] is already down

**Explanation** Interface [chars] already down.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-EPORT\_CLEANUP: Interface [chars] received cleanup request

**Explanation** Fcdomain on interface [chars] has received a cleanup request.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-EPORT\_CREATED: Creation of interface [chars]

**Explanation** Fcdomain is going to create interface [chars].

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-EPORT\_DOWN: Interface [chars] is down

**Explanation** Fcdomain is going to remove interface [chars] from its database.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-FABRICCONFSTARTBF: Non disruptive reconfiguration started

**Explanation** A non disruptive reconfiguration (BF phase) of the VSAN has started. This can happen when two or more fabrics merge, or when the user manually triggers a non disruptive reconfiguration of the VSAN.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-FABRICNAME\_INVALID: Fabric name not available

**Explanation** Fabric name not available.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-FABRICNAME\_VALID: Fabric name [chars] available

**Explanation** Fabric name [chars] available.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-FCIDALREADYFREE: FCIDs already free

**Explanation** FCIDs already free.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-FCIDNOTSTORED: FCIDs not stored

**Explanation** FCIDs not stored.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-FCIDP\_ENABLED\_DOM\_TYPE\_PREFERRED: FCID persistency is enabled, but the domain ID type is configured as preferred

**Explanation** The FCID persistency feature is enabled, but the domain ID type is configured as preferred. This means that with a low probability the domain ID of the local VSAN might change after a reconfiguration. A reconfiguration can happen when two or more VSANs are merged or a principal link flaps. A principal link is either an upstream or a downstream link. Should the domain ID change, all the FCIDs associated with it would be invalidated.

**Recommended Action** Type [fcdomain domain <dom-id> static vsan <vsan-id>] to configure as static the domain ID type in an existing VSAN.

**Message** FCDOMAIN-6-FCIDS\_ASSIGNED: Assigned a sequence of 256 contiguous FCIDs starting from FCID [hex]:[hex]:[hex]

**Explanation** Assigned a sequence of 256 contiguous FCIDs starting from FCID [hex]:[hex]:[hex].

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-FCIDS\_FREED: Freed a sequence of 256 contiguous FCIDs starting from FCID [hex]:[hex]:[hex]

**Explanation** Freed a sequence of 256 contiguous FCIDs starting from FCID [hex]:[hex]:[hex].

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-FCID\_ASSIGNED: Assigned single FCID [hex]:[hex]:[hex]

**Explanation** Assigned single FCID [hex]:[hex]:[hex].

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-FCID\_FREED: Freed single FCID [hex]:[hex]:[hex]

**Explanation** Freed single FCID [hex]:[hex]:[hex].

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-INCORRECTDOMAINRANGE: Requested FCIDs with domain field not in expected range

**Explanation** Requested FCIDs with domain field not in expected range.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-INCORRECTDOMAIN: Requested FCIDs with domain field different from local domain

**Explanation** Requested FCIDs with domain field different from local domain.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-INVALIDARG: Requested FCID of type 00.00.YY, but specifying an entire area

**Explanation** Requested FCID of type 00.00.YY, but specifying an entire area.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-MY\_SAME\_WWN\_DIFFERENT\_DOMS\_CONFLICTS: During VSAN merge detected local WWN [chars] is already in use by another switch (the two switches have different domain IDs: [dec] (local) and [dec])

**Explanation** It has been detected that the local switch has the same WWN [chars] of another switch, and that they have different domain IDs: [dec] (local) and [dec].

**Recommended Action** Check which switches have the same WWN and change either one.

**Message** FCDOMAIN-6-NODOMAIN: Local domain not available

**Explanation** The local domain is not available yet.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-NOFREEFCID: No free FCIDs

**Explanation** No free FCIDs.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-NOTOWNER: Feature [dec] cannot free FCID [dec]:[dec]:[dec] (feature [dec] is the actual owner)

**Explanation** Feature UUID [dec] cannot free FCID [dec]:[dec]:[dec] because it is not its owner (UUID actual owner is [dec]).

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-OTHER\_SIDE\_VIRTUAL\_IVR\_DOMS\_OVERLAPPING: During VSAN merge detected overlap with virtual IVR domain ID [dec] from across the link

**Explanation** It has been detected an overlap with the virtual IVR domain ID [dec] from across the link during an attempt to merge the local VSAN.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-PSWSSTARTED: Principal Switch Selection started

**Explanation** Fcdomain started a principal switch selection phase to elect a principal switch in this VSAN.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-RCF\_STARTED: RCF started by [chars]

**Explanation** Reconfigure Fabric has been started in this VSAN

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-REQSINGLEFCIDWITHINRESERVEDRANGE: Requested single FCIDs in area [dec] within the reserved range

**Explanation** Requested single FCIDs in area [dec] within the reserved range.

**Recommended Action** No action is required.



**Message** FCDOMAIN-6-REQUESTEDFCIDNOTFREE: Requested FCIDs not free

**Explanation** Requested FCIDs not free.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-REQUESTEDFCIDRESERVED: Requested reserved FCIDs

**Explanation** Requested reserved FCIDs.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-REQUESTEDRESERVEDFCIDMISMATCH: Requested persistent FCIDs, but there is a mismatch

**Explanation** Requested persistent FCIDs, but there is a mismatch.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-SAME\_WWNS\_DIFFERENT\_DOMS\_CONFLICTS: During VSAN merge detected two switches with same WWN [chars] and different non-virtual domain IDs [dec] and [dec]

**Explanation** It has been detected that two switches have the same WWN [chars], but different non-virtual domain IDs: [dec] and [dec].

**Recommended Action** Check which switches have the same WWN and change either one.

**Message** FCDOMAIN-6-TIMER\_UNKNOWN: fcdomain has received a notification for an unknown timer expiration

**Explanation** A timer unknown to fcdomain has expired.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-UPSTREAM\_SWITCHED: Upstream interface has been fast-switched from [chars] to [chars]

**Explanation** Because of a link failure the upstream interface has been fast-switched from [dec] to [dec].

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-UUIDNOSPACEFOUND: No available space to store the identity of the request or the FCIDs

**Explanation** No available space to store the identity of the request or the FCIDs.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-UUIDNOTFOUND: Universal Unique ID (UUID) not found

**Explanation** Universal Unique ID (UUID) not found.

**Recommended Action** No action is required.

**Message** FCDOMAIN-6-VIRTUAL\_IVR\_DOMS\_OVERLAPPING: During VSAN merge detected overlap with local virtual IVR domain ID [dec]

**Explanation** It has been detected an overlap with the local virtual IVR domain ID [dec] during an attempt to merge the local VSAN.

**Recommended Action** No action is required.

## FCDOMAIN-7

**Message** FCDOMAIN-7-EPORT\_ALREADY\_ISOLATED: Interface [chars] is already isolated or down

**Explanation** Fcdomain was going to isolate interface [chars], but the interface is already isolated.

**Recommended Action** No action is required.

**Message** FCDOMAIN-7-FABRICCONFCOMPLETEDBF: Non disruptive reconfiguration completed

**Explanation** A non disruptive reconfiguration (BF phase) completed. This can happen when two or more fabrics merged, or when the user manually triggered a non disruptive reconfiguration of the VSAN.

**Recommended Action** No action is required.

**Message** FCDOMAIN-7-FABRICCONFCOMPLETEDRCF: Disruptive reconfiguration completed

**Explanation** A disruptive reconfiguration (RCF phase) of the VSAN has completed. This can happen when two or more fabrics merged disruptively, or when the user manually triggered a disruptive reconfiguration of the VSAN.

**Recommended Action** No action is required.

**Message** FCDOMAIN-7-FC2\_RETRY: Retransmission of FC2 frame on interface [chars] (Cmd Code: [hex])

**Explanation** Fcdomain is retrying an FC2 frame on interface [chars] due to loss/no response. The Command Code of the frame is [hex].

**Recommended Action** No action is required.

**Message** FCDOMAIN-7-FCID\_IN\_USE\_PURGING\_FOR\_FICON\_MGR: FICON needs to purge the persistent FCID table, but at least one FCID is still in use, preventing this purge from completely remove all entries belonging to the VSAN.

**Explanation** There may be a problem in the sequence that shuts down all interfaces before fcdomain receives a request from FICON Manager to purge the persistent FCID table.

**Recommended Action** No action is required.

**Message** FCDOMAIN-7-FSM\_FAILED: FSM transition failed on interface [chars]  
(current state [chars])

**Explanation** Fcdomain state machine generated an invalid event on interface [chars], for which no proper action was defined (current state [chars].)

**Recommended Action** No action is required.

**Message** FCDOMAIN-7-FSM\_FORBIDDEN\_TRANSITION: fcdomain state machine has hit a forbidden transition

**Explanation** Fcdomain state machine has tried to execute a forbidden transition.

**Recommended Action** No action is required.

**Message** FCDOMAIN-7-INTERFACERDY: Interface [chars] ready

**Explanation** Interface [chars] is ready.

**Recommended Action** No action is required.

**Message** FCDOMAIN-7-PREACTIONTYPE\_UNKNOWN: fcdomain state machine has hit an unknown pre-action type

**Explanation** An undefined pre-action type has been used.

**Recommended Action** No action is required.

**Message** FCDOMAIN-7-PSWSCOMPLETED: Principal Switch Selection completed

**Explanation** A Principal Switch Selection (PSwS phase) completed.

**Recommended Action** No action is required.

**Message** FCDOMAIN-7-RDIACC: Assigned domain ID [dec], WWN of request or [chars]  
(requested domain ID [dec])

**Explanation** Domain ID [dec] has been received by VSAN with WWN [chars] (requested domain ID was [dec].)

**Recommended Action** No action is required.

## FCD Messages

This section contains the FCD messages.

### FCD-7

**Message** FCD-7-SB3\_ABTS\_EXCHANGE: sb3 aborted exchange [hex] from vsan:[dec] ch:[hex] chi:[hex] ccw:[hex] token:[hex] cmd:[hex] reason:[chars] state:[chars]:[dec]

**Explanation** SB3 aborted exchange due to reason given. Aborts are caused by either the channel or control unit detecting a device protocol error. Recovery actions are performed to restore communication. In certain circumstances aborts occur in normal operations.

**Recommended Action** No action is required if communication with CUP device is still operational.

**Message** FCD-7-SB3\_UCS\_PER\_FILE\_FN: VSAN:[dec] Unit Check for perform file function, reason:[chars]

**Explanation** SB3 failed perform file function. Failure is caused by error in the file main frame sent to director.

**Recommended Action** No action is required if communication with CUP device is still operational.

## FCFWD Messages

This section contains the FCFWD messages.

### FCFWD-3

**Message** FCFWD-3-ERROR: [chars]

**Explanation** Fcfwd encountered an error

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

### FCFWD-4

**Message** FCFWD-4-WARNING: [chars]

**Explanation** Fcfwd is generating a relevant notification

**Recommended Action** No action is required.

## FCFWD-6

**Message** FCFWD-6-INFO: [chars]

**Explanation** An fc fwd event occurred

**Recommended Action** No action is required.

## FCNS Messages

This section contains the FCNS messages.

### FCNS-2

**Message** FCNS-2-DB\_FULL: the database; max entries [dec] exceeded

**Explanation** Name server database is full. The max number of entries, [dec], of ports is already present in the database

**Recommended Action** No action is required.

**Message** FCNS-2-INIT\_FAILURE:: [chars]

**Explanation** Fcns initialisation has failed due to [chars].

**Recommended Action** No action is required.

**Message** FCNS-2-NO\_RESPONSE: for query [chars] from domain [dec]

**Explanation** No response for query [chars] from domain [dec].

**Recommended Action** No action is required.

**Message** FCNS-2-PSS\_VERSION\_MISMATCH:: for [chars]

**Explanation** Version mismatch for pss of type [chars].

**Recommended Action** No action is required.

**Message** FCNS-2-RELOAD\_FAILURE:: [chars]

**Explanation** Failed to reload information from PSS: [chars].

**Recommended Action** No action is required.

## FCNS-3

**Message** FCNS-3-BAD\_FRAME:: [chars]

**Explanation** Received a bad frame from the network: [chars].

**Recommended Action** No action is required.

**Message** FCNS-3-CFG\_FAILURE:: [chars]

**Explanation** A failure related to fcns configuration: [chars].

**Recommended Action** No action is required.

**Message** FCNS-3-CHUNK\_FAILURE:: [chars]

**Explanation** Chunk memory failure: [chars].

**Recommended Action** No action is required.

**Message** FCNS-3-DB\_FAILURE:: [chars]

**Explanation** A failure occurred in fcns database: [chars].

**Recommended Action** No action is required.

**Message** FCNS-3-MALLOC\_FAILURE:: [chars]

**Explanation** Malloc failed: [chars].

**Recommended Action** No action is required.

**Message** FCNS-3-MTS\_FAILURE:: [chars] [chars]

**Explanation** Failure occurred trying to do an MTS operation: [chars] [chars].

**Recommended Action** No action is required.

**Message** FCNS-3-PSS\_FAILURE:: [chars]

**Explanation** Pss failure: [chars].

**Recommended Action** No action is required.

## FCNS-4

**Message** FCNS-4-QUERY\_NO\_RESPONSE: for query [chars] from domain [dec]

**Explanation** No response for query [chars] from domain [dec].

**Recommended Action** No action is required.

## FCNS-6

**Message** FCNS-6-DB\_INFO:: [chars] [hex]

**Explanation** Database modification:[chars] for entry [hex].

**Recommended Action** No action is required.

**Message** FCNS-6-STATUS\_INFO:: [chars]

**Explanation** A change in fcns status: [chars].

**Recommended Action** No action is required.

## FCOE\_MGR Messages

This section contains the FCOE\_MGR messages.

### FCOE\_MGR-2

**Message** FCOE\_MGR-2-FCOE\_MGR\_MODULE\_NOT\_LICENSED: FCoE Manager Module:[dec] not licensed

**Explanation** FCOE\_MGR Line Card not licensed

**Recommended Action** No action is required.

**Message** FCOE\_MGR-2-FCOE\_MGR\_PSS\_RESTORE\_FAILED: FCoE Manager PSS Restore operation failed, error: [chars]

**Explanation** FCOE Manager PSS Restore operation failed

**Recommended Action** No action is required.

## FCOE\_MGR-5

**Message** FCOE\_MGR-5-FCOE\_MGR\_DISABLED: FCOE\_MGR Disabled

**Explanation** FCOE\_MGR Service Disabled

**Recommended Action** No action is required.

**Message** FCOE\_MGR-5-FCOE\_MGR\_ENABLED: FCOE\_MGR Enabled

**Explanation** FCOE\_MGR Service enabled

**Recommended Action** No action is required.

**Message** FCOE\_MGR-5-FCOE\_MGR\_INFO: [chars]

**Explanation** FCoE Manager general info

**Recommended Action** No action is required.

**Message** FCOE\_MGR-5-FCOE\_MGR\_MODULE\_LICENSE\_CHECKIN: FCoE Manager License Checkin: [dec]

**Explanation** FCOE\_MGR Line Card license checked in

**Recommended Action** No action is required.

**Message** FCOE\_MGR-5-FCOE\_MGR\_MODULE\_LICENSE\_CHECKOUT: FCoE Manager License Checkout: [dec]

**Explanation** FCOE\_MGR Line Card license checked out

**Recommended Action** No action is required.

**Message** FCOE\_MGR-5-FCOE\_MGR\_SOLICITATION\_FROM\_SAME\_MAC: FCoE Manager received Multicast Solicitation from same MAC: [chars]

**Explanation** FCoE Manager received Multicast Solicitation from same MAC

**Recommended Action** No action is required.



**Message** FCOE\_MGR-5-FCOE\_MGR\_VE\_DUPLICATE\_PEER\_MAC: FCoE Manager has already received unicast advertisement from MAC [chars] on a different VE link. Bringing down this link

**Explanation** FCoE Manager has already received unicast advertisement from same MAC on a different VE link

**Recommended Action** No action is required.

## FCOE Messages

This section contains the FCOE messages.

### FCOE-5

**Message** FCOE-5-FCOE\_DISABLED: FCOE Disabled

**Explanation** FCOE Service Disabled

**Recommended Action** No action is required.

**Message** FCOE-5-FCOE\_ENABLED: FCOE Enabled

**Explanation** FCOE Service Enabled

**Recommended Action** No action is required.

## FCSP-MGR Messages

This section contains the FCSP-MGR messages.

### FCSP-MGR-2

**Message** FCSP-MGR-2-DBG\_INIT\_FAILED: Debug Infrastructure Initialization failed ([chars])

**Explanation** The system has detected an error.

**Recommended Action** No action is required.

**Message** FCSP-MGR-2-FC2\_E\_INIT\_FAILED: Fibre-Channel Initialization of an E\_Port failed ([chars])

**Explanation** FC-SP Manager has been unable to initialize with the FC-2 E-Port infrastructure.

**Recommended Action** No action is required.

**Message** FCSP-MGR-2-FC2\_F\_INIT\_FAILED: Fibre-Channel Initialization of an F\_Port failed ([chars])

**Explanation** FC-SP Manager has been unable to initialize with the FC-2 F-Port infrastructure.

**Recommended Action** No action is required.

**Message** FCSP-MGR-2-FC2\_UNKNOWN\_FRM\_REC'D\_CRIT: Received an unexpected/unknown FC-2 frame on [chars]

**Explanation** The system has detected an error.

**Recommended Action** No action is required.

**Message** FCSP-MGR-2-FCSP\_AUTHENT\_FAILURE: FC-SP Authentication failure on Port [chars] (FC-SP Failure Reason: [chars] [chars])

**Explanation** Fibre-Channel Authentication failure on Port [chars].(Reason Code [chars] Detail [chars]). Please check password configurations and ensure appropriate security modes on this port as well as peer port

**Recommended Action** No action is required.

**Message** FCSP-MGR-2-FCSP\_ESP\_MISMATCH: ESP parameters mismatch failure on Port [chars] (reason: [chars])

**Explanation** Fibre-Channel ESP parameters mismatch with the peer on Port [chars].(Reason: [chars]). Please check ESP configurations on both side of the link and ensure appropriate ESP mode on this port as well as peer port

**Recommended Action** No action is required.

**Message** FCSP-MGR-2-FSMU\_INIT\_FAILED: State Machine Infrastructure Initialization failed ([chars])

**Explanation** The system has detected an error.

**Recommended Action** No action is required.

**Message** FCSP-MGR-2-IPC\_INIT\_FAILED: IPC (Inter Process Communication) Initialization failed ([chars])

**Explanation** FC-SP Manager has been unable to initialize with the IPC infrastructure.

**Recommended Action** No action is required.

**Message** FCSP-MGR-2-LICENSE\_UNAVAILABLE: License:[chars] unavailable, service exiting

**Explanation** License of [chars] is unavailable. Service will exit now

**Recommended Action** Please install the license file to continue using the feature.

**Message** FCSP-MGR-2-MEM\_FAILED: Memory operations failed File: [chars] Line [dec] for size [hex] bytes

**Explanation** The system has detected an error.

**Recommended Action** No action is required.

**Message** FCSP-MGR-2-POST\_INIT\_FAILED: Post-Initialization failed ([chars])

**Explanation** The system has detected an error.

**Recommended Action** No action is required.

**Message** FCSP-MGR-2-PSS\_INIT\_FAILED: PSS Infrastructure Initialization failed ([chars])

**Explanation** The system has detected an error.

**Recommended Action** No action is required.

## FCS Messages

This section contains the FCS messages.

### FCS-2

**Message** FCS-2-ALLOC\_FAILED: Memory allocation failed for size:[dec]

**Explanation** Memory allocation failed for size [dec].

**Recommended Action** Restart the process.

**Message** FCS-2-CHUNK\_ALLOC\_FAILED: Chunk memory allocation failed for [chars] chunk

**Explanation** Chunk memory allocation failed. [chars] indicates the chunk name.

**Recommended Action** Restart the process.

**Message** FCS-2-NO\_RESPONSE: Retried maximum number of times for [chars] to domain [dec] in VSAN [dec]

**Explanation** Maximum number of retries completed for [chars] form domain [dec] in VSAN [dec].

**Recommended Action** No action is required.

**Message** FCS-2-PSS\_VER\_FAIL: PSS file [chars] has version [dec].[dec].[dec], expected version [dec].[dec].[dec]

**Explanation** There was a mismatch in the PSS version. [chars] indicates the PSS service, [dec].[dec].[dec] its current version number and [dec].[dec].[dec] the expected version.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** FCS-2-RANDNUM\_FAIL: [chars]

**Explanation** There was a critical error during random number generation. [chars] indicates details of the error.

**Recommended Action** No action is required.

## FCS-3

**Message** FCS-3-DB\_ERR: [chars]

**Explanation** An error occurred during an FCS database operation. [chars] indicates the reason for the error.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** FCS-3-INIT\_FAIL: [chars]

**Explanation** An error happened during FCS Initialization. [chars] indicates the reason for failure.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** FCS-3-MTS\_API\_ERR: [chars]: [chars]

**Explanation** An error occurred in send or receive of an MTS message. [chars] indicates the error that occurred and [chars] indicates the error number.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** FCS-3-MTS\_ERR: [chars]

**Explanation** An error occurred in processing of an MTS message. [chars] indicates the error that occurred.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** FCS-3-NO\_MTS\_RESP: [chars]

**Explanation** There was no response to an MTS request. [chars] indicates details of the MTS message.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** FCS-3-NO\_REMOTE\_RESP: No response for request [chars] from domain [dec] in VSAN [dec]

**Explanation** There was no response to an FC2 request. [chars] indicates FCS request [dec] indicates the remote domain and [dec] the VSAN ID.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** FCS-3-OTHER\_ERR: [chars]

**Explanation** An FCS generic error occurred. [chars] indicates the description of the error.

**Recommended Action** No action is required.

**Message** FCS-3-PSS\_ERR: [chars]

**Explanation** An error occurred during an FCS PSS operation. [chars] indicates the PSS operation that caused the error.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** FCS-3-SOCK\_ERR: sd: [dec], [chars]

**Explanation** An FC-2 Socket error occurred on socket-ID [dec]. [chars] indicates the reason for failure.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## FCS-5

**Message** FCS-5-API\_FAIL: [chars]: [chars]

**Explanation** An API called by FCS failed. [chars] indicates the API name failed and [chars] the reason for failure.

**Recommended Action** If this message is seen during a cold boot, it means that the queried module came up after FCS and this case can be ignored.

**Message** FCS-5-DB\_NOTICE: [chars]

**Explanation** An error occurred during an FCS database operation. [chars] indicates the reason for the error.

**Recommended Action** No action is required.

## FCS-6

**Message** FCS-6-BAD\_CT\_FRAME: Invalid FCS frame: [chars] received from [hex]

**Explanation** An invalid FCS FC-CT frame with [chars] received from FC-ID [hex].

**Recommended Action** No action is required.

**Message** FCS-6-INFORMATION: [chars]

**Explanation** An event happened that affects FCS. [chars] indicates the event

**Recommended Action** No action is required.

**Message** FCS-6-REXMIT\_PKT: Retransmitting request [chars] to domain [dec] in VSAN [dec]

**Explanation** There was a retransmission of an FC2 request. [chars] indicates FCS request [dec] indicates the remote domain and [dec] the VSAN ID

**Recommended Action** No action is required.

## FDMI Messages

This section contains the FDMI messages.

## FDMI-2

**Message** FDMI-2-FDMI\_INIT\_FAILED: FDMI initialization failed : [chars]

**Explanation** Fdmi process encountered error while starting.

**Recommended Action** No action is required.

**Message** FDMI-2-MTS\_ERROR: MTS message transmission failed with error [dec]

**Explanation** Fdmi process unsuccessfully tried to send a MTS message. MTS error number is specified in [dec].

**Recommended Action** No action is required.

**Message** FDMI-2-PSS\_CFG\_RESTORE\_ERROR: Configuration restoration for [chars] failed with error [hex] for key type [dec]

**Explanation** Fdmi read the saved configuration and encountered an error while rebuilding the runtime configuration. [chars] describes the configuration which the process tried to restore and 0x[hex] is the system err code.

**Recommended Action** No action is required.

**Message** FDMI-2-PSS\_RTDB\_RESTORE\_ERROR: Runtime database restoration for [chars] failed with error [hex]

**Explanation** Fdmi read the saved runtime database and encountered an error while rebuilding the runtime database. [chars] describes the runtime database which the process tried to restore and 0x[hex] is the system err code.

**Recommended Action** No action is required.

## FDMI-3

**Message** FDMI-3-BAD\_FRAME: Malformed frame received: [chars]

**Explanation** Fdmi process received malformed frame. [chars] describes the malformation

**Recommended Action** No action is required.

**Message** FDMI-3-BAD\_RESPONSE: response with command code: [hex]

**Explanation** Fdmi process received bad payload in response

**Recommended Action** No action is required.

**Message** FDMI-3-INTERNAL\_ERROR: Internal err: [chars]

**Explanation** Fdmi process encountered a general error, one that does not fall in any of the categories. [chars] describes the error and its context.

**Recommended Action** No action is required.

**Message** FDMI-3-MTS\_API\_ERROR: API, [chars] returned [hex]

**Explanation** Fdmi invoked API [chars], received the error code specified in 0x[hex]

**Recommended Action** No action is required.

**Message** FDMI-3-MTS\_FORMAT\_ERROR: Unknown MTS message format in opcode [dec] from module [chars]

**Explanation** Fdmi received message from module [chars] which contains unknown message format. MTS opcode is specified in [dec]

**Recommended Action** No action is required.

**Message** FDMI-3-NO\_RESPONSE: No response from switch whose domain id is [dec]

**Explanation** Fdmi process sends a inter-switch packets to switches and has not received the response

**Recommended Action** No action is required.

**Message** FDMI-3-PSS\_ERROR: PSS operation [chars] returned err: [hex]

**Explanation** [chars] specifies the context where the failure occurred and 0x[hex] specifies the err

**Recommended Action** No action is required.

**Message** FDMI-3-UNEXPECTED\_MTS\_MSG: Unexpected MTS message, opcode [dec], is received

**Explanation** Fdmi process received unexpected MTS event. MTS opcode is specified in [dec]

**Recommended Action** No action is required.

## FDMI-4

**Message** FDMI-4-SW\_REJ\_RESPONSE: VSAN [id] Reject response [chars] from switch whose domain id is [dec]

**Explanation** Fdmi process sends a inter-switch packets to switches and has received the reject response with reason code in [chars]

**Recommended Action** No action is required.



## FDMI-6

**Message** FDMI-6-DEBUG\_INFO: [chars]

**Explanation** Fdmi process debug info

**Recommended Action** No action is required.

## FEATURE-MGR Messages

This section contains the FEATURE-MGR messages.

### FEATURE-MGR-2

**Message** FEATURE-MGR-2-FM\_AUTOCKPT\_FAILED: AutoCheckpoint [chars] failed to be created for reason: [chars] ([hex])

**Explanation** AutoCheckpoint with the given name has been created successfully

**Recommended Action** No action is required.

**Message** FEATURE-MGR-2-FM\_FEATURE\_LICENSE\_ERROR: the license operation for feature failed [hex] [chars]

**Explanation** License operation was not successful, check license validity for the feature

**Recommended Action** Please contact FM team

**Message** FEATURE-MGR-2-FM\_FEATURE\_LICENSE\_ERROR: license [chars] checkout failure for [chars], error [hex] ([chars])

**Explanation** License operation was not successful, check license validity for the feature

**Recommended Action** Please contact FM team

**Message** FEATURE-MGR-2-FM\_FEATURE\_OP\_TIMEOUT\_ERROR: feature [chars] operation failed on response timeout from service: [chars] with uuid ([hex])

**Explanation** The error seen at FM and service communication

**Recommended Action** Please contact service owner with given uuid and FM team

**Message** FEATURE-MGR-2-FM\_FSET\_ADD\_CONFHECK\_ERROR: failed to add confcheck [hex] ([chars]) at installing feature-set [chars]

**Explanation** Failed to add confcheck at enabling feature-set

**Recommended Action** Please contact FM/sysmgr team

**Message** FEATURE-MGR-2-FM\_FSET\_CFG\_ALLOW\_ERROR: Potential vdc\_mgr issue: the allow request failed [hex] ([chars])

**Explanation** vdc\_mgr failed to response the allow request

**Recommended Action** Please contact FM/vdc\_mgr team

**Message** FEATURE-MGR-2-FM\_FSET\_CKPT\_ERROR: Checkpoint issue: failed on checkpoint with error [hex] ([chars]) at feature-set [chars]

**Explanation** Checkpoint did not response

**Recommended Action** Please contact FM/vdc\_mgr and rollback team

**Message** FEATURE-MGR-2-FM\_FSET\_DISABLE\_ERROR: Potential sysmgr issue: disable feature-set [chars] on sup failed with error [hex] ([chars])

**Explanation** Some issues while disabling feature-set

**Recommended Action** Please contact FM/sysmgr team

**Message** FEATURE-MGR-2-FM\_FSET\_DISABLE\_FEATURES\_ERROR: features failed to disable at feature-set [chars] with error [hex] ([chars])

**Explanation** Failed to disable feature at disabling feature-set

**Recommended Action** Please contact FM/sysmgr team

**Message** FEATURE-MGR-2-FM\_FSET\_DISABLE\_FEATURES\_TIMEOUT: Potential [chars] issue: feature [chars] did not complete its disabling

**Explanation** Failed to disable feature at disabling feature-set

**Recommended Action** Please contact FM/sysmgr team and the feature owner

**Message** FEATURE-MGR-2-FM\_FSET\_INSTALL\_ERROR: install feature-set [chars] returns error 0X[hex] ([chars])

**Explanation** Some issues during install feature-set

**Recommended Action** Please contact FM/sysmgr team

**Message** FEATURE-MGR-2-FM\_FSET\_LCS\_DISABLE\_ERROR: Potential sysmgr issue: disable feature-set [chars] failed on module [dec] with error [hex] ([chars])

**Explanation** Some issues on the lc while disabling feature-set

**Recommended Action** Please contact FM/sysmgr team

**Message** FEATURE-MGR-2-FM\_FSET\_LCS\_ENABLE\_ERROR: enabling feature-set [chars] on module [dec] returns error 0X[hex] ([chars])

**Explanation** Some issue on the lc while enabling feature-set

**Recommended Action** Please contact FM/sysmgr team

**Message** FEATURE-MGR-2-FM\_FSET\_PRESEQ\_REJECT: It rejects pre-sequence due to a service with sap [dec]: [chars]

**Explanation** The message seen when an application rejects feature-set disable request

**Recommended Action** Please contact FM/sysmgr team

**Message** FEATURE-MGR-2-FM\_FSET\_SUP\_ENABLE\_ERROR: enabling feature-set [chars] on sup returns error 0X[hex] ([chars])

**Explanation** Some issues during enabling feature-set

**Recommended Action** Please contact FM/sysmgr team

**Message** FEATURE-MGR-2-FM\_FSET\_UNGRACEFUL\_DISABLE\_ERROR: Potential sysmgr issue: ungraceful disable feature-set [chars] failed with error [hex] ([chars])

**Explanation** Some issues while ungraceful disable feature-set

**Recommended Action** Please contact FM/sysmgr team

**Message** FEATURE-MGR-2-FM\_FSET\_UNGRACEFUL\_UNINSTALL\_ERROR: Potential sysmgr issue: ungraceful uninstall feature-set [chars] failed with error [hex] ([chars])

**Explanation** Some issues while ungraceful uninstall feature-set

**Recommended Action** Please contact FM/sysmgr team

**Message** FEATURE-MGR-2-FM\_FSET\_UNINSTALL\_ERROR: Potential sysmgr issue: uninstall feature-set [chars] failed with error [hex] ([chars])

**Explanation** Some issues while uninstall feature-set

**Recommended Action** Please contact FM/sysmgr team

**Message** FEATURE-MGR-2-FM\_FSET\_VMM\_OP\_ERROR: [chars]

**Explanation** The error seen at FM and VMM interaction

**Recommended Action** Please contact FM/VMM team

**Message** FEATURE-MGR-2-MODULE\_FM\_DONE: feature manager completed

**Explanation** Feature manager completed

**Recommended Action** No action is required.

**Message** FEATURE-MGR-2-MODULE\_FM\_STARTED: feature manager started

**Explanation** Feature manager started

**Recommended Action** No action is required.

**Message** FEATURE-MGR-2-FM\_FEATURE\_OP\_GENERIC\_ERROR

**Explanation** Service tacacs with uuid [dec] [hex] encountered error: [hex] ([chars])

**Recommended Action** Please contact Service Owner for details.

## FEATURE-MGR-6

**Message** FEATURE-MGR-6-FM\_AUTOCKPT\_IN\_PROGRESS: AutoCheckpoint [chars] creation in progress...'

**Explanation** AutoCheckpoint creation has been requested and it should be in progress

**Recommended Action** No action is required.

**Message** FEATURE-MGR-6-FM\_AUTOCKPT\_SUCCEEDED: AutoCheckpoint [chars] created successfully

**Explanation** AutoCheckpoint with the given name has been created successfully

**Recommended Action** No action is required.

**Message** FEATURE-MGR-6-FM\_FCOE\_AUTOINSTALL\_ON\_NOT\_ISOLA: auto-install feature-set fcoe on non-isola

**Explanation** Auto-install feature-set fcoe could be done on isola only

**Recommended Action** Please contact FM team

**Message** FEATURE-MGR-6-FM\_FSET\_ENABLED\_AT\_UNINSTALL: Uninstall aborted because feature set is still enabled in vdc [dec]

**Explanation** Feature set is in enabled state

**Recommended Action** No action is required.

## FEX Messages

This section contains the FEX messages.

### FEX-2

**Message** FEX-2-FEX\_NOT\_ONLINE\_SUP\_ISSU: FEX [dec] did not come online after SUP ISSU

**Explanation** This is reported when FEX does not come online after ISSU once the SUP came online. When ISSU failure occurs, at the end of the “install all”, the installer will analyze different logs and display the relevant information to diagnose the problem.

**Recommended Action** If the information from the ISSU analyzer needs to be viewed again, the command "show install all failure-reason" can be used. If FEX did not respond after sup came online during upgrade is reported, investigate the reason for FEX not coming online.

**Message** FEX-2-FEX\_OFFLINE: FEX [dec] has gone OFFLINE

**Explanation** This is reported when system info message is failed to be sent to FEX, the reason being FEX offline.

**Recommended Action** Investigate the reason for the FEX going offline. Check the output of the cli show interface ethernet x/y, where x/y is the port to which the FEX is connected.

**Message** FEX-2-FEX\_ONLINE: FEX [dec] has come ONLINE

**Explanation** Indicates FEX coming online.

**Recommended Action** No action is required as this syslog is just an indication that FEX is coming online.

**Message** FEX-2-FEX\_PORT\_STATUS\_CRIT: Uplink-ID [dec] of Fex [dec] that is connected with [chars] changed its status from [chars] to [chars]

**Explanation** This is reported when there is some incompatibility in configuration detected.

**Recommended Action** Check the configuration and reconfigure the FEX correctly.

**Message** FEX-2-NOHMS\_ENV\_FEX\_OFFLINE: [chars]

**Explanation** Indicates FEX going offline.

**Recommended Action** If this syslog is reported because of intentional invocation of any cli that will make the FEX offline, then no action is required. Else Investigate the reason for the FEX going offline. Check the output of the CLI ?show interface ethernet x/y, where x/y is the port to which the FEX is connected.

**Message** FEX-2-NOHMS\_ENV\_FEX\_ONLINE: [chars]

**Explanation** Indicates FEX coming online.

**Recommended Action** No action is required as this syslog is just an indication that FEX is coming online.

## FEX-4

**Message** FEX-4-FEX\_SCALING\_LIMITS\_REACHED: You have exceeded the advisable FEX scaling limits.

**Explanation** This is reported because the scaling limit has reached for configuring Fabric Extenders with total number of Fabric Extender server interfaces on Supervisor i.e. More FEX/FEX ports in the system than recommended by Cisco.

**Recommended Action** Do not further scale up the Fabric Extenders with total number of Fabric Extender server interfaces on Supervisor.

## FEX-5

**Message** FEX-5-FEX\_DISABLED: FEX Disabled

**Explanation** FEX Service Disabled

**Recommended Action** No action is required.

**Message** FEX-5-FEX\_ENABLED: FEX Enabled

**Explanation** FEX Service Enabled

**Recommended Action** No action is required.

**Message** FEX-5-FEX\_PORT\_STATUS\_NOTI: Uplink-ID [dec] of Fex [dec] that is connected with [chars] changed its status from [chars] to [chars]

**Explanation** Fex [decimal-digit] changed port status

**Recommended Action** No action is required.

**Message** FEX-5-PINNING\_CHANGED: Fex [dec] pinning information is changed

**Explanation** Fex pinning information changed

**Recommended Action** No action is required.

**Message** FEX-5-SATMGR\_DISABLE\_FAILED: Disabling of feature FEX failed. Please remove FEX related configs from interfaces

**Explanation** This is reported when Disabling of FEX fails.

**Recommended Action** Remove all FEX related interface configurations manually.

## FIB Messages

This section contains the FIB messages.

### FIB-SLOT#-0

**Message** FIB-SLOT#-0-EMERG: [chars]

**Explanation** Fib caused a system failure

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

### FIB-SLOT#-1

**Message** FIB-SLOT#-1-ALERT: [chars]

**Explanation** Fib caused failures in other services

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** FIB-SLOT#-1-HW\_RESOURCE: [chars]

**Explanation** Hardware resources are approaching limit.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## FIB-SLOT#-2

**Message** FIB-SLOT#-2-CRIT: [chars]

**Explanation** Fib encountered a catastrophic error

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** FIB-SLOT#-2-FIB\_TCAM\_HA\_ERROR: FIB recovery errors, please capture show tech forwarding l3 unicast' and 'show tech forwarding l3 multicast'

**Explanation** FIB had some HA recovery failures for certain prefixes/labels.

**Recommended Action** No action is required.

**Message** FIB-SLOT#-2-FIB\_TCAM\_RESOURCE\_EXHAUSTION: FIB TCAM exhausted for [chars]

**Explanation** The TCAM device in the L3 forwarding ASIC has reached its system limits.

**Recommended Action** No action is required.

## FIB-SLOT#-3

**Message** FIB-SLOT#-3-ERR: [chars]

**Explanation** Fib encountered an error

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** FIB-SLOT#-3-FIB\_URPF\_RESOURCE\_EXHAUSTION: uRPF memory exhausted - Failed to add uRPF interface(s)

**Explanation** The URPF memory in the L3 forwarding ASIC has reached its system limits.

**Recommended Action** No action is required.

**Message** FIB-SLOT#-3-HW\_FAIL: [chars]

**Explanation** Failed to program route into the hardware.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.



**Message** FIB-SLOT#-3-NO\_MEM: Out of memory

**Explanation** Fib does not have enough memory to continue proper operation.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** FIB-SLOT#-3-SEND\_SUP: Cannot talk to supervisor

**Explanation** Fib to supervisor IPC failure

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## FIB-SLOT#-4

**Message** FIB-SLOT#-4-CPU\_HOG: Inactive or busy

**Explanation** Either fib was not scheduled to run, or fib was busy, and fib did not service the message or timer queue for an extended period.

**Recommended Action** Please perform debug fiber or, then recreate the operation scenario, to find out more details.'

**Message** FIB-SLOT#-4-FIB\_ADJ\_UTIL\_WARNING: Adjacency memory utilization is at [dec] percent

**Explanation** Adjacency memory utilization has is above its threshold

**Recommended Action** No action is required.

**Message** FIB-SLOT#-4-FIB\_TCAM\_ADJ\_EXHAUSTED: Adjacency allocation failed for [chars]

**Explanation** Failed to allocate an adjacency. Adjacency memory could have been exhausted

**Recommended Action** No action is required.

**Message** FIB-SLOT#-4-FIB\_TCAM\_AF\_INSERT\_FAIL: FIB TCAM prefix insertion fail for [chars]

**Explanation** The TCAM device in the L3 forwarding ASIC failed to install prefix. Utilization above threshold.

**Recommended Action** No action is required.

**Message** FIB-SLOT#-4-FIB\_TCAM\_PF\_INSERT\_FAIL: FIB TCAM prefix insertion fail for [chars]

**Explanation** The TCAM device in the L3 forwarding ASIC failed to install prefix. Utilization below threshold.

**Recommended Action** No action is required.

**Message** FIB-SLOT#-4-FIB\_TCAM\_RESOURCE\_EXCEP\_CLRD: FIB TCAM resource usage exception cleared for [chars] [chars]

**Explanation** The TCAM device in the L3 forwarding ASIC is within system limits.

**Recommended Action** No action is required.

**Message** FIB-SLOT#-4-FIB\_TCAM\_RESOURCE\_WARNING: FIB TCAM usage is at 90 percent for [chars]

**Explanation** The TCAM device in the L3 forwarding ASIC is reaching its system limits.

**Recommended Action** No action is required.

**Message** FIB-SLOT#-4-WARN: [chars]

**Explanation** Fib encountered a possible error

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## FIB-SLOT#-6

**Message** FIB-SLOT#-6-FIB\_INFO: [chars]

**Explanation** Information that a corrective action was taken by FIB

**Recommended Action** Message is informational only

## FICON Messages

This section contains the FICON messages.

## FICON-2

**Message** FICON-2-E\_DUPLICATE\_PN\_BRINGUP\_FAIL: [chars]

**Explanation** This port has the same port number assigned to other port in the same FICON VSAN. No more than one port with duplicate port number can be up in each FICON VSAN

**Recommended Action** Avoid duplicate number assignment in each FICON VSAN

**Message** FICON-2-E\_PN\_PA\_NOT\_IN\_BOUND: [chars]

**Explanation** Port number or port address in startup-configure is out of bound.

**Recommended Action** Change ficon port number assign configuration and save to startup-configure.

**Message** FICON-2-E\_SAVE\_FILE: [chars]

**Explanation** Failed to save file. Possibly due to asymmetric pdcm matrix. Look for ret\_val for actual reason.

**Recommended Action** Configure port prohibits in symmetrically.

**Message** FICON-2-SHUTDOWN: FICON Manager process shutting down: [chars]

**Explanation** FICON Manager shutting down

**Recommended Action** This is a severe error. Provide the reason given in the message.

## FICON-3

**Message** FICON-3-E\_ASSIGN\_BINDING\_PN\_FAIL: [chars]

**Explanation** Port number has fcip or port channel binding can not be removed nor changed.

**Recommended Action** Remove port number binding of the logical interface first.

**Message** FICON-3-E\_ASSIGN\_INVALID\_PN\_PARAM: [chars]

**Explanation** Invalid port number parameters in command.

**Recommended Action** Check port numbers in the command.\n

**Message** FICON-3-E\_ASSIGN\_OVERLAP\_PN\_FAIL: [chars]

**Explanation** Port number assigned to physical and logical can not overlap.

**Recommended Action** Check port numbers in the command.\n

**Message** FICON-3-E\_ASSIGN\_PN\_NOT\_DOWN\_FAIL: [chars]

**Explanation** Only port number assigned to a port in down state can be removed or changed.

**Recommended Action** Bring down the port first.\n

**Message** FICON-3-E\_ASSIGN\_PROHIBIT\_PN\_FAIL: [chars]

**Explanation** Logical port address can not be prohibited.

**Recommended Action** Check port numbers in the command.\n

**Message** FICON-3-E\_DUPLICATE\_PN\_ASSIGN\_WARNING: [chars]

**Explanation** This port has the same port number assigned to other port in the same FICON VSAN. No more than one port should have the same port number in each FICON VSAN

**Recommended Action** Avoid duplicate number assignment in each FICON VSAN

**Message** FICON-3-E\_INVALID\_PA\_BRINGUP\_FAIL: [chars]

**Explanation** This port either has an invalid port address assigned or has no port address assigned.

**Recommended Action** Assign a valid ficon port number to the port.\n

**Message** FICON-3-E\_PORT\_PROHIBIT\_BRINGUP\_FAIL: [chars]

**Explanation** This port has been prohibited. Prohibiting E or TE ports is not allowed. This port can not be configured in E mode or TE mode until the prohibit mask configuration is changed

**Recommended Action** Correct the prohibit mask (PDCM) for this port if you wish to bring it up as an E or TE port in a FICON VSAN

**Message** FICON-3-E\_UNASSIGN\_NO\_PN\_FAIL: [chars]

**Explanation** Only port number already assigned can be removed.

**Recommended Action** Check port numbers in the command.

**Message** FICON-3-PDCM\_CHANGE\_REJ\_E\_PORT: [chars]

**Explanation** The FICON Prohibit Dynamic Connectivity Mask(PDCM) change rejected because an E or TE port is being prohibited. Prohibiting an E or TE port in not allowed.

**Recommended Action** Correct the prohibit mask (PDCM) for this port if you wish to bring the port up as an E or TE port in a FICON VSAN.

## FICON-5

**Message** FICON-5-STARTING: FICON Manager process starting

**Explanation** FICON Manager process is being started

**Recommended Action** No action is required.

## FICON-6

**Message** FICON-6-PDCM\_CHANGE: VSAN [dec] port-address [dec] prohibit mask set to [chars]

**Explanation** The FICON Prohibit Dynamic Connectivity Mask (PDCM) for this port has changed. VSAN [dec], port address [dec] prohibit mask (PDCM) is now set to [chars]

**Recommended Action** No action is required.

**Message** FICON-6-PORT\_SWAP: port number [dec] [dec] swapped

**Explanation** FICON port numbers swapped

**Recommended Action** No action is required.

**Message** FICON-6-VSAN\_DISABLED: FICON disabled on VSAN [dec]

**Explanation** FICON has been disabled on the given VSAN

**Recommended Action** No action is required.

**Message** FICON-6-VSAN\_ENABLED: FICON enabled on VSAN [dec]

**Explanation** FICON has been enabled on the given VSAN

**Recommended Action** No action is required.

## FIPSM Messages

This section contains the FIPSM messages.

## FIPSM-5

**Message** FIPSM-5-SPLITTER\_DISABLED: SPLITTER Disabled

**Explanation** SPLITTER Service Disabled

**Recommended Action** No action is required.

**Message** FIPSM-5-SPLITTER\_ENABLED: SPLITTER Enabled

**Explanation** SPLITTER Service enabled

**Recommended Action** No action is required.

## FIPS Messages

This section contains the FIPS messages.

### FIPS-0

**Message** FIPS-0-FIPS\_POST\_CLEANUP\_FAILED: Error cleaning up keys in FIPS mode: [chars]

**Explanation** FIPS cleanup failed [chars]

**Recommended Action** No action is required.

**Message** FIPS-0-SET\_FIPS\_MODE\_FAILED: Error when setting FIPS mode: [chars]

**Explanation** FIPS mode failed [chars]

**Recommended Action** No action is required.

### FIPS-6

**Message** FIPS-6-SET\_FIPS\_MODE: FIPS mode is [chars] for service [chars]

**Explanation** FIPS mode is changed [chars] [chars]

**Recommended Action** No action is required.

## FLN\_EM Messages

This section contains the FLN\_EM messages.

## FLN\_EM-6

**Message** FLN\_EM-6-FLN\_EM\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## FLN\_FCP Messages

This section contains the FLN\_FCP messages.

### FLN\_FCP-6

**Message** FLN\_FCP-6-FLN\_FCP\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

### FLN\_FCP-SLOT#-2

**Message** FLN\_FCP-SLOT#-2-FLN\_FIB\_TCAM\_RESOURCE\_EXHAUSTION: FIB TCAM exhausted for [chars] on instance [dec]

**Explanation** The TCAM device in the L3 forwarding ASIC has reached its system limits.

**Recommended Action** No action is required.

### FLN\_FCP-SLOT#-3

**Message** FLN\_FCP-SLOT#-3-FLN\_FIB\_URPF\_RESOURCE\_EXHAUSTION: uRPF memory exhausted - Failed to add uRPF interface(s) on instance [dec]

**Explanation** The URPF memory in the L3 forwarding ASIC has reached its system limits.

**Recommended Action** No action is required.

## FLN\_FCP-SLOT#-4

**Message** FLN\_FCP-SLOT#-4-FLN\_FIB\_ADJ\_EXHAUSTED: Adjacency allocation failed on instance [dec]

**Explanation** Failed to allocate an adjacency. Adjacency memory could have been exhausted

**Recommended Action** No action is required.

**Message** FLN\_FCP-SLOT#-4-FLN\_FIB\_LSMET\_EXHAUSTED: ls-met entry allocation from [chars] failed on instance [dec]

**Explanation** Failed to allocate a ls-met entry. LS-MET table region for this entry could have been exhausted

**Recommended Action** No action is required.

**Message** FLN\_FCP-SLOT#-4-FLN\_FIB\_MCASTMET\_EXHAUSTED: Met entry allocation from [chars] failed on instance [dec]

**Explanation** Failed to allocate a multicast met entry. Met table region for this entry could have been exhausted

**Recommended Action** No action is required.

**Message** FLN\_FCP-SLOT#-4-FLN\_FIB\_MCAST\_OIFLIST\_INSERT\_FAIL: oiflist insertion failed [chars]

**Explanation** L3 oiflist insertion failed because Max supported l3 oiflist size is 4k

**Recommended Action** No action is required.

**Message** FLN\_FCP-SLOT#-4-FLN\_FIB\_MDT\_EXHAUSTED: mdt entry allocation from [chars] failed on instance [dec]

**Explanation** Failed to allocate a MDT entry. MDT table region for this entry could have been exhausted

**Recommended Action** No action is required.

**Message** FLN\_FCP-SLOT#-4-FLN\_FIB\_TCAM\_AF\_INSERT\_FAIL: FIB TCAM prefix insertion failed for [chars] on instance [dec]

**Explanation** The TCAM device in the L3 forwarding ASIC failed to install prefix. Utilization above threshold.

**Recommended Action** No action is required.



**Message** FLN\_FCP-SLOT#-4-FLN\_FIB\_TCAM\_PF\_INSERT\_FAIL: FIB TCAM prefix insertion failed for [chars] on instance [dec]

**Explanation** The TCAM device in the L3 forwarding ASIC failed to install prefix. Utilization below threshold.

**Recommended Action** No action is required.

**Message** FLN\_FCP-SLOT#-4-FLN\_FIB\_TCAM\_RESOURCE\_EXCEP\_CLRD: FIB TCAM resource usage exception cleared for [chars] on instance [dec]

**Explanation** The TCAM device in the L3 forwarding ASIC is within system limits.

**Recommended Action** No action is required.

**Message** FLN\_FCP-SLOT#-4-FLN\_FIB\_TCAM\_RESOURCE\_WARNING: FIB TCAM usage is at [dec] percent for [chars] on instance [dec]

**Explanation** The TCAM device in the L3 forwarding ASIC is reaching its system limits.

**Recommended Action** No action is required.

## FLN\_FWD\_USD Messages

This section contains the FLN\_FWD\_USD messages.

### FLN\_FWD\_USD-2

**Message** FLN\_FWD\_USD-2-CRIT\_MSG: [chars]

**Explanation** Critical log message

**Recommended Action** No action is required.

### FLN\_FWD\_USD-6

**Message** FLN\_FWD\_USD-6-FLN\_FWD\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## FLN\_L3 Messages

This section contains the FLN\_L3 messages.

## FLN\_L3-6

**Message** FLN\_L3-6-FLN\_L3\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## FLN\_QUE Messages

This section contains the FLN\_QUE messages.

### FLN\_QUE-6

**Message** FLN\_QUE-6-FLN\_QUE\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## FLN\_XBAR Messages

This section contains the FLN\_XBAR messages.

### FLN\_XBAR-2

**Message** FLN\_XBAR-2-FLN\_XBAR\_FR\_CRC: [chars]

**Explanation** Flanker received packets with CRC error from fabric

**Recommended Action** No action is required.

### FLN\_XBAR-6

**Message** FLN\_XBAR-6-FLN\_XBAR\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## FLOGI Messages

This section contains the FLOGI messages.

### FLOGI-1

**Message** FLOGI-1-MSG\_FDISEC\_REJECT\_TOO\_MANY\_LOGINS: [VSAN [dec], Interface [chars]]  
FDISC rejected - this interface has reached the max num of N-Ports ([dec])

**Explanation** An FDISC was rejected because the F-Port has reached the maximum allowed number of devices.

**Recommended Action** Check the configuration of the NPIV device connected to the port.

**Message** FLOGI-1-MSG\_FLOGI\_REJECT\_TOO\_MANY\_LOGINS: [VSAN [dec], Interface [chars]]  
FLOGI rejected - this interface has reached the max num of NL-Ports ([dec])

**Explanation** An FLOGI was rejected because the FL-Port has reached the maximum allowed number of devices.

**Recommended Action** Reduce the number of devices on the loop.

**Message** FLOGI-1-MSG\_NPIV\_NOT\_SUPPORTED\_WITH\_TRUNKING: [VSAN [dec], Interface [chars]]  
NPIV not supported - on this platform, NPIV is not supported on trunking interfaces

**Explanation** The N\_Port requested NPIV, but this platform does not support NPIV on trunking F\_Ports.

**Recommended Action** Disable NPIV, or move the N\_Port to a switch that supports NPIV on trunking F\_Ports

### FLOGI-2

**Message** FLOGI-2-MSG\_FLOGI\_REJECT\_NO\_ACL\_TCAM\_AVAILABLE: [VSAN [dec], Interface [chars]]  
FLOGI rejected - ACLTCAM resource exhausted

**Explanation** An FLOGI was rejected because the ACLTCAM hardware resource is completely used.

**Recommended Action** Reduce the number of nodes.

**Message** FLOGI-2-INTERFACE\_LOGIN\_LIMIT: Total number of flogis <> on the interface  
fc2/25 has reached/exceeded the limit

**Explanation** The number of FLOGI logins on an interface has reached or exceeded the specified limit.

**Recommended Action** Reduce or redirect the FLOGIs.

**Message** FLOGI-2-MODULE\_LOGIN\_LIMIT: Total number of flogis < > in module 1 has reached/exceeded the limit

**Explanation** The number of FLOGI logins on a director-class module has reached or exceeded the specified limit.

**Recommended Action** Reduce or redirect the FLOGIs.

**Message** FLOGI-2-SWITCH\_LOGIN\_LIMIT: Total number of flogis < > on the switch has reached/exceeded the limit

**Explanation** The number of FLOGI logins on a switch has reached or exceeded the specified limit.

**Recommended Action** Reduce or redirect the FLOGIs.

## FLOGI-4

**Message** FLOGI-4-MSG\_VF\_FLOGI\_FROM\_NON\_CISCO\_OUI: [VSAN [dec], Interface [chars]] FLOGI with VF bit set from OUI [hex]:[hex]:[hex] (nwwn: [chars])

**Explanation** This interface received an FLOGI with VF bit set from a non CISCO OUI; in this release Virtual Fabrics are not supported on interfaces connected to third-party devices

**Recommended Action** Set the trunk mode of this interface to off

## FLOGI-5

**Message** FLOGI-5-MSG\_FLOGI\_DROP\_DUE\_TO\_SUSPENDED\_VSAN: [VSAN [dec], Interface [chars]] FLOGI (pwwn: [chars]) has been dropped because the VSAN is suspended on this trunking interface

**Explanation** The switch received an FLOGI from a trunking interface on a VSAN which has been suspended; the FLOGI frame has been dropped.

**Recommended Action** To bring up the VSAN again on the trunking port, remove it from the allowed VSAN list and add it again

**Message** FLOGI-5-MSG\_FLOGI\_DUPLICATE\_WWPN: [VSAN [dec], Interface [chars]] FLOGI (pwwn: [chars]) has been dropped because the host has a duplicate WWPN

**Explanation** The switch received an FLOGI from the interface, which has a duplicate PWWN value.

**Recommended Action** No action is required.

**Message** FLOGI-5-MSG\_IF\_REINIT\_ALPA\_CONFLICT: [VSAN [dec], Interface [chars]] FL/TL interface [chars] re-initialized as ALPA - PWWN map conflict occurred.

**Explanation** The FL/TL interface is re-initialized as ALPA used by device conflicts with an existing FLOGI session after the Loop Initialization Protocol (LIP). All the devices will re-login with new ALPA and PWWN mapping

**Recommended Action** No action is required.

**Message** FLOGI-5-MSG\_PORT\_LOGGED\_IN: [VSAN [dec], Interface [chars]] Nx Port [chars] with FCID [chars] logged IN.

**Explanation** Nx port logged in with the specified information.

**Recommended Action** No action is required.

**Message** FLOGI-5-MSG\_PORT\_LOGGED\_OUT: [VSAN [dec], Interface [chars]] Nx Port [chars] logged OUT.

**Explanation** Nx port logged out. The following commands will help determine why this Nx port logged out: 'show interface, show VSAN, show module'

**Recommended Action** No action is required.

## FLOGI\_REJECTED\_DUPLICATE\_PWWN\_IN\_FABRIC

**Message** FLOGI/FDISC from PWWN [chars] on [chars] has been rejected because name server detected duplicate PWWN in the fabric

**Explanation** The switch received an FLOGI/FDISC which has a PWWN value that is already logged in the fabric.

**Recommended Action** Run the **show fcns database detail vsan vsan\_id** command to determine where the device is already logged into the fabric. Retry the FLOGI/FDISC after the device logs out of the fabric.

## FLOGI\_REJECTED\_DUE\_TO\_SERVICE\_TIMEOUT

**Message** FLOGI/FDISC from PWWN [chars] on [chars] has been rejected because [chars] service failed to respond to the request

**Explanation** The switch received an FLOGI/FDISC which could not be processed in time because system was busy.

**Recommended Action** Retry the FLOGI/FDISC after the system load has reduced.

## FLOGI\_REJECTED\_DUPLICATE\_PWWN\_ON\_SWITCH

**Message** FLOGI/FDISC from PWWN [chars] on [chars] has been rejected because it is already logged in to this switch on [chars]

**Explanation** The switch received an FLOGI/FDISC from a device which had already logged in to this switch on a different interface.

**Recommended Action** The device is implicitly logged out and the FLOGI\_IMPLICIT\_DEVICE\_LOGOUT syslog message is generated. If the device retries to log in, the FLOGI/FDISC should succeed.

## FLOGI\_IMPLICIT\_DEVICE\_LOGOUT

**Message** FLOGI/FDISC from PWWN [chars] has been logged out from [chars] because it tried to login on [chars]

**Explanation** The switch implicitly logged out a device because it tried to login on a different interface without logging out first.

**Recommended Action** Retry the FLOGI/FDISC. This syslog message is generated along with the FLOGI\_REJECTED\_DUPLICATE\_PWWN\_ON\_SWITCH syslog message.

## FLOGI\_ON\_FPORT\_CHANNEL\_MEMBER

**Message** FLOGI from PWWN [chars] has been dropped because it was received on F[chars] member [chars]

**Explanation** The FLOGI request has been dropped because it was received on an fport-channel member interface when the f-port channel is already up. Only one FLOGI is allowed on an f-port channel from the first member.

**Recommended Action** Remove the member from the port-channel on the local switch or add the member to the port-channel on the remote switch.

## FS-DAEMON Messages

This section contains the FS-DAEMON messages.

## FS-DAEMON-2

**Message** FS-DAEMON-2-FSD\_ENOSPC\_BOOTFLASH: Due to insufficient space, [chars] image could not be copied to standby bootflash. [chars] image is not present on standby. Please copy \"[chars]\" manually.'

**Explanation** Move system images from RAM to bootflash to free up some memory

**Recommended Action** Please remove some unnecessary files on bootflash using delete command and copy images from active supervisor or from remote location.

## FS-DAEMON-6

**Message** FS-DAEMON-6-FSD\_ENOSPC\_LOGFLASH: System logflash usage has reached [dec]%. You may delete some old files on logflash to free up space

**Explanation** System logflash space is almost full

**Recommended Action** Use 'clear core archived' or 'delete' CLI to free up space on logflash.

**Message** FS-DAEMON-6-FSD\_ENOSPC\_ROOT: System root usage has reached [dec]%. You may delete some old files from root or /var/log to free up space

**Explanation** System root space is almost full

**Recommended Action** Use 'clear core archived' or 'delete' CLI to free up space on root dir or /var/log

**Message** FS-DAEMON-6-FSD\_ENOSPC\_TMP: System temporary directory usage has reached [dec]%.

**Explanation** System /tmp space usage.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** FS-DAEMON-6-FSD\_REEXPORT\_NFS: Re-exported NFS mounts

**Explanation** Exported NFS mounts are not visible in kernel and had to be reexported

**Recommended Action** Please use 'show system internal flash' to make sure there are no Stale NFS handles'

## FSCM Messages

This section contains the FSCM messages.

## FSCM-2

**Message** FSCM-2-FABRIC\_START\_CFG\_MGR\_PROGRAM\_EXIT: Fabric Start Cfg Mgr daemon exiting: [chars]

**Explanation** FABRIC\_START\_CFG\_MGR daemon is exiting.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## FSPF Messages

This section contains the FSPF messages.

### FSPF-2

**Message** FSPF-2-SHUTDOWN: Routing daemon shutting down: [chars]

**Explanation** FSPF routing daemon is shutting down because of [chars] reason.

**Recommended Action** This is a severe bug. Provide the reason provided and the log files for FSPF.

### FSPF-2

**Message** FSPF-3-BAD\_FC2\_PKT: Received bad FC2 packet on interface [chars] : [chars]

**Explanation** FSPF received a bad FC2 packet on [chars] interface, error description is [chars].

**Recommended Action** FSPF daemon has received a bad FC frame. Provide the output of 'debug fc2 pkt'.

**Message** FSPF-3-CHECKSUM\_FAIL: Checksum test failed for LSR domain [dec]

**Explanation** Periodic database checksum test failed for LSR for domain [dec]

**Recommended Action** This indicates that the internal database got corrupted because of some memory corruption bug. Provide output of 'show fspf database'. May need to power cycle the switch

**Message** FSPF-3-FC2\_PROC\_ERR: Error in processing [chars] packet on interface [chars], Error = [chars]

**Explanation** An error occurred in processing a [chars] FC2 packet on [chars] interface. The internal error code is [chars].

**Recommended Action** Turn on 'debug fspf error' to get more information. Make sure there is no misconfiguration of FSPF parameters on the two ends of the interface. Provide output of 'show fspf vsan x' 'show fspf vsan x interface' and 'debug fspf fc pkt' for the specific interface



**Message** FSPF-3-FLOOD\_ERR: Error in flooding the local LSR, Error = [chars]

**Explanation** FSPF had an error in flooding the local LSR, error description is [chars].

**Recommended Action** Provide output of 'debug fspf flood', 'debug fspf error'. If error is reported in transmitting packet check if interface is up and turn on 'debug fc2 error'

**Message** FSPF-3-HELLO\_MISMATCH: Mismatch in [chars] in the Hello packet on interface [chars]

**Explanation** There is a mismatch in the [chars] entry in the hello packet received on interface [chars]. The packet will be dropped.

**Recommended Action** Check the configuration of hello or dead interval on the switches on the two ends of the interface to see if there is a mismatch.

**Message** FSPF-3-INTF\_TIMER\_ERR: Error in processing interface timer event [chars] for interface [chars], error = [chars]

**Explanation** FSPF had an error in processing timer event for interface chars, error is [chars].

**Recommended Action** Provide output of 'debug fspf error'

**Message** FSPF-3-IPC\_PROC\_ERR: Error in processing IPC message: Opcode = [dec], Error code = [hex]

**Explanation** FSPF had an error in processing message of [dec] opcode, the internal error code is [dec].

**Recommended Action** Possibly some wrong IPC message is received by FSPF. Provide output of 'debug fspf mts pkt' and 'debug fspf error ' trace.

**Message** FSPF-3-LOCK\_FAIL: FSPF failure in gaining lock

**Explanation** There is a software failure in gaining lock of the shared resource between FSPF threads.

**Recommended Action** Provide output of 'debug fspf all '

**Message** FSPF-3-MTS\_MSG\_BEFORE\_GSYNC: FSPF in standby received MTS message opcode = [hex] before GSYNC

**Explanation** FSPF in standby received an MTS message of opcode [dec] before receiving the GSYNC message.

**Recommended Action** Provide output of 'debug fspf mts pkt '

**Message** FSPF-3-RIB\_ERR: Error in RIB: [chars]

**Explanation** FSPF had an error in interacting with RIB, error description is [chars].

**Recommended Action** Check if rib application is running using 'show processes'. Provide output of 'debug fspf route' and RIB debug traces.

**Message** FSPF-3-ROUTE\_COMPUTE\_ERR: Error in computing or sending routes: Error = [chars]

**Explanation** FSPF had an error in computing routes, error description is [chars].

**Recommended Action** Provide the error code and output of 'debug fspf error' and 'debug fspf route' if problem is reproducible

**Message** FSPF-3-UNLOCK\_FAIL: FSPF failure in releasing lock

**Explanation** There is a software failure in releasing lock of the shared resource between FSPF threads.

**Recommended Action** Provide output of 'debug fspf all '

**Message** FSPF-3-VSAN\_TIMER\_ERR: Error in processing VSAN timer event [chars], error description = [chars]

**Explanation** FSPF had an internal error in processing timer event, error description is [chars].

**Recommended Action** Provide output of 'debug fspf error'

## FSPF-4

**Message** FSPF-4-FC2\_DOWN\_INTF: Received FC2 packet on DOWN interface [chars]

**Explanation** FSPF received a FC2 packet on inactive interface [chars].

**Recommended Action** This message may be printed for the first FSPF packet when an interface is brought up. If the message is seen continuously check if FSPF is disabled on one end for the interface or the VSAN. Otherwise check 'show interface ' output to see if interface is physically up only on one side. Also check if there is any Message printed for IPC\_PROC\_ERR

**Message** FSPF-4-FC2\_DOWN\_VSAN: Received FC2 packet on inactive vsan

**Explanation** FSPF received a FC2 packet on inactive vsan.

**Recommended Action** If message seen continuously check if FSPF is disabled on the VSAN Investigate if VSAN is active and valid domain has been assigned on the switch Also check if IPC\_PROC\_ERR message is printed in the syslog

**Message** FSPF-4-ILLEGAL\_FSM\_EVENT: Illegal FSM event for state [chars] in interface [chars]

**Explanation** An illegal protocol event has occurred for the FSPF state machine. The old state was [chars] for the interface [chars].

**Recommended Action** It is possible to get this message if some protocol packet gets dropped but the it should recover and move back to FULL state. Do 'show fspf interface' to check the state of the interface. If it is stuck in state other than FULL provide output of 'debug fspf event' and 'debug fspf fc pkt ' for the interfaces involved.

**Message** FSPF-4-LSR\_DROPPED: [chars], Dropping LSR [dec] received on interface [chars]

**Explanation** A LSR packet is dropped due to [chars] reason. LSR belonged to domain [dec] and was received on interface [chars].

**Recommended Action** Provide the reason given for dropping the LSR and output of 'debug fspf fc pkt' If the reason is checksum failure investigate possible packet corruption or truncation

**Message** FSPF-4-LSR\_MIN\_LS\_ARRIVAL: Packet arrived before MIN\_LS\_ARRIVAL, Dropping LSR [dec] on interface [chars]

**Explanation** A LSR packet is dropped as it arrived before MIN\_LS\_ARRIVAL. LSR belonged to domain [dec] and was received on interface [chars].

**Recommended Action** This can occur in transient situation and protocol recovers by retransmitting the LSR. If the message is seen continuously provide output of 'debug fspf flood ', 'debug fspf retrans' and 'debug fspf error '. The message may be seen more often when inter operating with other vendors

**Message** FSPF-4-LSU\_RX\_INIT: Dropping LSU received in state INIT on interface [chars]

**Explanation** A LSU packet is dropped as interface [char] is in INIT state when it received the LSU.

**Recommended Action** This can occur in some transient situation. If the problem persists provide output of 'show fspf vsan x interface' and 'debug fspf fc pkt ' and 'debug fspf event vsan x'

## FSPF-5

**Message** FSPF-5-STARTING: Routing daemon started

**Explanation** FSPF routing daemon has been started.

**Recommended Action** No action is required.

## FSPF-6

**Message** FSPF-6-ADD\_LSR: New LSR added for domain [dec]

**Explanation** A new LSR is added to the database for domain [dec].

**Recommended Action** No action is required.

**Message** FSPF-6-DELETE\_LSR: LSR deleted for domain [dec]

**Explanation** The LSR for domain [dec] is deleted from the database.

**Recommended Action** No action is required.

**Message** FSPF-6-INTF\_OPER\_DOWN: Down on interface [chars]

**Explanation** FSPF has become operationally down on interface [chars].

**Recommended Action** No action is required.

**Message** FSPF-6-INTF\_OPER\_UP: Up on interface [chars]

**Explanation** FSPF has become operational on interface [chars].

**Recommended Action** No action is required.

**Message** FSPF-6-MAX\_AGE: LSR [dec] reached Maxage

**Explanation** The LSR for domain [dec] reached the maximum age and will be deleted from all the connected switches.

**Recommended Action** No action is required.

**Message** FSPF-6-ROLLOVER: Rolling over the incarnation number of Local LSR

**Explanation** The incarnation number of local LSR reached the maximum value and is rolling over.

**Recommended Action** No action is required.

**Message** FSPF-6-SELF\_ORIGINATED: Received local LSR with higher incarnation number

**Explanation** A LSR for the local domain was received with incarnation number higher than the one in database. This situation should only occur initially on a topology change. If this situation persists the domain assignment of switches may not be unique

**Recommended Action** If this message is received continuously check if domain assignment is unique in the fabric.

**Message** FSPF-6-STATE\_CREATED: Internal state created [chars]

**Explanation** FSPF has created its internal state stateless/stateful [chars].

**Recommended Action** No action is required.

**Message** FSPF-6-VSAN\_OPER\_DOWN: Down on vsan

**Explanation** FSPF has become operationally down on VSAN.

**Recommended Action** No action is required.

**Message** FSPF-6-VSAN\_OPER\_UP: Up with local domain [dec]

**Explanation** FSPF has started with local domain [dec].

**Recommended Action** No action is required.

## FSPF-7

**Message** FSPF-7-ROUTE\_THREAD\_STARTED: Thread number [dec] started

**Explanation** Route computation thread number [dec] has been started for FSPF.

**Recommended Action** No action is required.

## FVP Messages

This section contains the FVP messages.

### FVP-2

**Message** FVP-2-GENERAL\_ERROR: [chars]

**Explanation** The FVP Manager has encountered a critical error. The description of error is [str.]

**Recommended Action** No action is required.

**Message** FVP-2-MALLOC\_ERROR: Size [dec] bytes

**Explanation** The FVP Manager could not allocate memory.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** FVP-2-PSS\_BKP\_PSS\_MISMATCH: Block [dec]: PSS: Not Free; BKPLN PROM: Free

**Explanation** This FVP Manager detected a discrepancy between the information on the chassis and that in its persistent information databases. The persistent information database has been updated with the information on the chassis.

**Recommended Action** No action is required.

**Message** FVP-2-PSS\_ERROR: [chars]

**Explanation** The FVP Manager encountered error while operating on a persistent storage database.

**Recommended Action** No action is required.

## FVP-3

**Message** FVP-3-FVPD\_PSS\_CORRUPTED: [chars] PSS found corrupted

**Explanation** The FVP Manager has detected corruption in one of its persistent information database. The database would be recreated.

**Recommended Action** No action is required.

**Message** FVP-3-PSS\_SYNC\_TO\_STNDBY\_FAILED: PSS TYPE=[chars] KEY=[chars]

**Explanation** Could not send PSS Sync. notification to Standby Supervisor. PSS Type=[str.] Operation=[.str] Key=[Str.]

**Recommended Action** No action is required.

**Message** FVP-3-RELEASE\_ERR\_FREE: Already free FVP [chars]

**Explanation** A client of FVP Manager attempted to remove a FVP [char] which is not present. This information is for debugging only.

**Recommended Action** No action is required.

**Message** FVP-3-RELEASE\_ERR\_UNKNOWN: Unknown FVP [chars]

**Explanation** FVP Manager received a request to release a FVP [char] that could not have been allocated by this FVP Manager.

**Recommended Action** No action is required.

**Message** FVP-3-RELEASE\_ERR: Cant Rel. FVP [chars]

**Explanation** FVP Manager received a request to remove a FVP that cannot be removed.

**Recommended Action** No action is required.

**Message** FVP-3-TOOMANY\_REQ\_REL: FVPs [chars] = [dec]

**Explanation** The FVP Manager received a request to allocate [dec] more than the maximum number of FVPs that can be allocated/released in a single request.

**Recommended Action** No action is required.

**Message** FVP-3-UNKNOWN\_MSG: Recvd. from Node=[dec] SAP=[dec] Opcode=[dec]

**Explanation** The FVP Manager has received an unknown message from [dec].[dec] with opcode [dec]. This information is for debugging only.

**Recommended Action** No action is required.

## FVP-4

**Message** FVP-4-EXITING: Exited due to [chars]

**Explanation** The FVP Manager process has exited due to [char]. The process has probably been restarted automatically.

**Recommended Action** No action is required.

**Message** FVP-4-PSS\_VERSION\_MISMATCH: PSS [dec] Code [dec]

**Explanation** There was a version mismatch between the FVP Manager and one of its persistent storage databases. The persistent information has been translated to the new format.

**Recommended Action** No action is required.

## FVP-6

**Message** FVP-6-BECAME\_ACTIVE: Became ACTIVE from standby mode

**Explanation** The FVP Manager on the standby supervisor became active and it is ready to serve client requests for FVPs.

**Recommended Action** No action is required.

**Message** FVP-6-BECAME\_STDBY: Became STANDBY from active mode

**Explanation** The FVP Manager became standby from active mode.

**Recommended Action** No action is required.

**Message** FVP-6-CREATED\_FV\_PORT: ifIndex: [dec]

**Explanation** The FVP Manager has created a new fv port with ifIndex= [dec].

**Recommended Action** No action is required.

**Message** FVP-6-EXCESSIVE\_DELAY: [chars]

**Explanation** Excessive time taken for a processing event. The description of the event is [str.]

**Recommended Action** No action is required.

**Message** FVP-6-FAILED\_TO\_SEND\_HEARTBEAT: Failed to send heartbeat to system manager: Reason=[chars]

**Explanation** The FVP Manager was unable to send heartbeat to the system manger

**Recommended Action** No action is required.

**Message** FVP-6-GENERAL\_EVENT: [chars]

**Explanation** The FVP Manager has generated an important event. The description of the event is [str.]

**Recommended Action** No action is required.

**Message** FVP-6-PSS\_CREATED: [chars] PSS Created

**Explanation** One of the persistent information database OS FVP Manager has been recreated

**Recommended Action** No action is required.

**Message** FVP-6-PSS\_DESTROYED: [chars] PSS Destroyed

**Explanation** One of the persistent information databases has been intentionally destroyed and would be recreated.

**Recommended Action** No action is required.

**Message** FVP-6-REMOVED\_FV\_PORT: IfIndex: [dec]

**Explanation** The FVP Manager has removed an FV port with ifIndex= [dec].

**Recommended Action** No action is required.



**Message** FVP-6-SERVICE\_UP: Initialized [chars]

**Explanation** The FVP Manager is up and ready to accept client requests for FVPs. The service was initialized in [char] mode.

**Recommended Action** No action is required.

**Message** FVP-6-SWITCHOVER: Switching Over to other Sup.

**Explanation** The FVP Manager has successfully switched over to the standby supervisor card.

**Recommended Action** No action is required.

## FW\_APP Messages

This section contains the FW\_APP messages.

### FW\_APP-2

**Message** FW\_APP-2-FIRMWARE\_IMAGE\_LOAD\_ERROR: Firmware extraction and load error: [chars]

**Explanation** Firmware extraction error

**Recommended Action** Please examine show system internal firmware boot-log"

**Message** FW\_APP-2-PROC\_INITFAIL: Process initialization failed due to [chars].

**Explanation** FW\_APP process has failed initialization.

**Recommended Action** Please examine show system internal firmware event-history errors"

### FW\_APP-6

**Message** FW\_APP-6-FIRMWARE\_IMAGE\_LOAD\_SUCCESS: [chars]

**Explanation** Firmware extraction success

**Recommended Action** No action is required.

**Recommended Action**

## GLBP Messages

This section contains the GLBP messages.

## GLBP-2

**Message** GLBP-2-GLBP\_URIB\_INIT\_ERROR: [chars]

**Explanation** Unicast routing initialization failed and the GLBP process terminated

**Recommended Action** Please check syslog messages for URIB failures and rectify the problem

## GLBP-3

**Message** GLBP-3-GLBP\_ARP\_ADD\_FAILED: failed to add [chars]/[chars] in arp table

**Explanation** The system was unable to add the GLBP vIP into the ARP table

**Recommended Action** Please check syslog messages for ARP failures and rectify the problem

**Message** GLBP-3-GLBP\_ARP\_DEL\_FAILED: failed to delete [chars]/[chars] in arp table

**Explanation** The system was unable to delete the GLBP vIP from the arp table

**Recommended Action** Please check syslog messages for ARP failures and rectify the problem

**Message** GLBP-3-GLBP\_FEATURE\_MANAGER\_ERROR: [chars]: [chars]

**Explanation** There was a problem in GLBP interaction with feature manager.

**Recommended Action** Please check the reason for error using feature manager and rectify the problem

**Message** GLBP-3-GLBP\_IP\_JOIN\_GROUP\_FAILED: [chars]: failed to join glbp multicast address group

**Explanation** The system was unable to perform a join to start receiving GLBP protocol packets.

**Recommended Action** Please check syslog messages for IP failures and rectify the problem

**Message** GLBP-3-GLBP\_IP\_LEAVE\_GROUP\_FAILED: [chars]: failed to leave glbp multicast address group

**Explanation** The system was unable to perform a leave to stop receiving GLBP protocol packets.

**Recommended Action** Please check syslog messages for IP failures and rectify the problem

**Message** GLBP-3-GLBP\_MAC\_ADD\_FAILED: fwd [dec] failed to add [chars] in mac table (error [hex])

**Explanation** The system was unable to add the GLBP mac address into the mac address table

**Recommended Action** Please check syslog messages for L2FM failures and rectify the problem

**Message** GLBP-3-GLBP\_MAC\_DEL\_FAILED: fwd [dec] failed to delete [chars] in mac table (error [hex])

**Explanation** The system was unable to delete the GLBP mac address from the mac address table

**Recommended Action** Please check syslog messages for L2FM failures and rectify the problem

**Message** GLBP-3-GLBP\_ROUTE\_ADD\_FAILED: failed to add [chars] in routing table

**Explanation** The system was unable to add the GLBP vIP address into the unicast routing table

**Recommended Action** Please check syslog messages for URIB failures and rectify the problem

**Message** GLBP-3-GLBP\_ROUTE\_DEL\_FAILED: failed to delete [chars] in routing table

**Explanation** The system was unable to delete the GLBP vIP address from the unicast routing table

**Recommended Action** Please check syslog messages for URIB failures and rectify the problem

## GLBP-4

**Message** GLBP-4-BDAUTH: Bad authentication received from [chars]

**Explanation** Two routers participating in a Gateway Load Balancing Protocol group have a valid authentication string that does not match.

**Recommended Action** Use the GLBP authentication interface command to repair the Gateway Load Balancing Protocol authentication discrepancy between the local system and the one whose IP address is reported

**Message** GLBP-4-BADVIP1: address [chars] is in the wrong subnet for this interface

**Explanation** The Gateway Load Balancing Protocol virtual IP address is not within the subnet configured on this interface.

**Recommended Action** Configure the virtual IP address of Gateway Load Balancing Protocol to be within the subnet configured on this interface.

**Message** GLBP-4-BADVIP2: address [chars] in the wrong subnet for this interface is not learned

**Explanation** The Gateway Load Balancing Protocol virtual IP address contained in the hello message cannot be learned. It is not within the subnet configured on this interface.

**Recommended Action** Check the configuration on all Gateway Load Balancing Protocol routers.

**Message** GLBP-4-BADVIP3: address [chars] is the broadcast address for this interface

**Explanation** The Gateway Load Balancing Protocol virtual IP address is a broadcast address for this interface.

**Recommended Action** Configure the virtual IP address of Gateway Load Balancing Protocol to be a non broadcast address.

**Message** GLBP-4-DIFFVIP1: active router virtual IP address [chars] is different from the locally configured virtual IP address [chars]

**Explanation** The Gateway Load Balancing Protocol virtual IP address contained in the Hello message from the Active router is different to that configured locally.

**Recommended Action** Check the configuration on all Gateway Load Balancing Protocol routers

**Message** GLBP-4-DUPADDR: Duplicate address on [chars]

**Explanation** The IP address in a Gateway Load Balancing Protocol message received on the interface is the same as the IP address of its own router. This condition may be caused by a misconfiguration or because of a malfunctioning switch.

**Recommended Action** Check the configurations on all the Gateway Load Balancing Protocol routers, and ensure that any switches are functioning properly

**Message** GLBP-4-DUPVIP1: address [chars] already assigned to interface [chars] grp [dec]

**Explanation** The Gateway Load Balancing Protocol virtual IP address contained in the hello message cannot be learned. It is already assigned to a different Gateway Load Balancing Protocol group.

**Recommended Action** Check the configuration on all Gateway Load Balancing Protocol routers

**Message** GLBP-4-DUPVIP2: address [chars] already assigned to this interface

**Explanation** The Gateway Load Balancing Protocol virtual IP address contained in the hello message cannot be learned. It is already assigned to this interface.

**Recommended Action** Check the configuration on all Gateway Load Balancing Protocol routers.

**Message** GLBP-4-DUPVIP3: address [chars] already assigned to another interface [chars]

**Explanation** The Gateway Load Balancing Protocol virtual IP address contained in the hello message cannot be learned. It is already assigned to, or overlaps with, an address on another interface or application.

**Recommended Action** Check the configuration on all Gateway Load Balancing Protocol routers.

**Message** GLBP-4-GLBP\_ARP\_RESP\_FAILED: failed to send arp response [chars]/[chars]

**Explanation** The system was unable to send the ARP response for vIP

**Recommended Action** Please check syslog messages for ARP failures and rectify the problem

## GLBP-5

**Message** GLBP-5-ACTIVE\_CHANGE: Active gateway is [chars]

**Explanation** The Gateway Load Balancing Protocol has changed active gateway.

**Recommended Action** No action is required

**Message** GLBP-5-FWDSTATECHANGE: fwd [dec] state changed from [chars] to [chars]

**Explanation** The Gateway Load Balancing Protocol forwarder has changed state.

**Recommended Action** No action is required

**Message** GLBP-5-FWD\_CREATE: fwd [dec] created

**Explanation** The Gateway Load Balancing Protocol forwarder has been created.

**Recommended Action** No action is required

**Message** GLBP-5-FWD\_DELETE: fwd [dec] deleted

**Explanation** The Gateway Load Balancing Protocol forwarder has been removed.

**Recommended Action** No action is required

**Message** GLBP-5-FWD\_OWNER: fwd [dec] owner mac is [chars]

**Explanation** The Gateway Load Balancing Protocol forwarder has changed the owner MAC address.

**Recommended Action** No action is required

**Message** GLBP-5-FWD\_VMAC: fwd [dec] virtual mac is [chars]

**Explanation** The Gateway Load Balancing Protocol forwarder has changed the virtual MAC address.

**Recommended Action** No action is required

**Message** GLBP-5-FWD\_WEIGHTING: fwd [dec] weighting is [dec]

**Explanation** The Gateway Load Balancing Protocol forwarder has changed the weighting.

**Recommended Action** No action is required

**Message** GLBP-5-GRPSTATECHANGE: state changed from [chars] to [chars]

**Explanation** The Gateway Load Balancing Protocol gateway has changed state.

**Recommended Action** No action is required

**Message** GLBP-5-MEMBER\_ADD: member [chars] [chars] added

**Explanation** The Gateway Load Balancing Protocol gateway has added a member.

**Recommended Action** No action is required

**Message** GLBP-5-MEMBER\_REMOVE: member [chars] [chars] removed

**Explanation** The Gateway Load Balancing Protocol gateway has removed a member.

**Recommended Action** No action is required

**Message** GLBP-5-PRIORITY: [chars] gateway priority changed to [dec]

**Explanation** The Gateway Load Balancing Protocol gateway has changed priority.

**Recommended Action** No action is required

**Message** GLBP-5-STANDBY\_CHANGE: Standby gateway is [chars]

**Explanation** The Gateway Load Balancing Protocol has changed standby gateway.

**Recommended Action** No action is required

**Message** GLBP-5-TIMER: [chars] timer changed to [chars]

**Explanation** The Gateway Load Balancing Protocol gateway has learnt timers.

**Recommended Action** No action is required

**Message** GLBP-5-VIPLEARN: learnt virtual ip address [chars]

**Explanation** The Gateway Load Balancing Protocol gateway has learnt virtual IP address.

**Recommended Action** No action is required

**Message** GLBP-5-VIPUNLEARN: unlearnt virtual ip address [chars]

**Explanation** The Gateway Load Balancing Protocol gateway has unlearnt virtual IP address.

**Recommended Action** No action is required

**Message** GLBP-5-WEIGHTING: weighting changed to [dec]

**Explanation** The Gateway Load Balancing Protocol gateway has changed the weighting.

**Recommended Action** No action is required

## HSRP\_ENGINE Messages

This section contains the HSRP\_ENGINE messages.

### HSRP\_ENGINE-3

**Message** HSRP\_ENGINE-3-BFD\_GLOBAL\_SESSION\_REMOVAL\_ERROR: Failed to remove all the HSRP-BFD sessions ([hex] [hex]), Refer logs

**Explanation** Refer logs for more details

**Recommended Action** No action is required.

**Message** HSRP\_ENGINE-3-BFD\_IF\_SESSION\_REMOVAL\_ERROR: Failed to remove few HSRP-BFD sessions ([hex] [hex]), Refer logs

**Explanation** Refer logs for more details.

**Recommended Action** No action is required.

**Message** HSRP\_ENGINE-3-BFD\_SESSION\_ADD\_ERROR: Failed to add few HSRP-BFD sessions ([hex] [hex]), Refer logs

**Explanation** Refer logs for more details.

**Recommended Action** No action is required.

**Message** HSRP\_ENGINE-3-BFD\_SESSION\_CREATION\_ERROR: Failed to create BFD session information ([hex] [hex]), Refer logs

**Explanation** Refer logs for more details.

**Recommended Action** No action is required.

**Message** HSRP\_ENGINE-3-BFD\_SESSION\_REMOVAL\_ERROR: Failed to remove few HSRP-BFD sessions ([hex] [hex]), Refer logs

**Explanation** Refer logs for more details.

**Recommended Action** No action is required.

**Message** HSRP\_ENGINE-3-ERROR\_IN\_ADD\_VIP\_TO\_U6RIB: Failed to Add VIP [chars] to U6RIB (errno [hex]), Refer logs

**Explanation** Refer logs for more details.

**Recommended Action** No action is required.

**Message** HSRP\_ENGINE-3-ERROR\_IN\_DEL\_VIP\_FROM\_U6RIB: Failed to delete VIP [chars] from U6RIB (errno [hex]), Refer logs

**Explanation** Refer logs for more details.

**Recommended Action** No action is required.

**Message** HSRP\_ENGINE-3-NOSOCKET: Unable to open socket

**Explanation** The system was unable to initialize an IP connection for the Hot Standby protocol.

**Recommended Action** Make sure that there is at least one interface configured to run IP.

## HSRP\_ENGINE-4

**Message** HSRP\_ENGINE-4-BADAUTH2: Bad authentication from [chars]

**Explanation** Two routers participating in HSRP disagree on the valid authentication string.

**Recommended Action** Use the HSRP authentication command to repair the HSRP authentication discrepancy between the local system and the one whose IP address is reported.



**Message** HSRP\_ENGINE-4-BADAUTH: Bad authentication from [chars], group [dec], remote state [chars]

**Explanation** Two routers participating in HSRP disagree on the valid authentication string.

**Recommended Action** Use the HSRP authentication command to repair the HSRP authentication discrepancy between the local system and the one whose IP address is reported.

**Message** HSRP\_ENGINE-4-DIFFVIP1: [chars] Grp [dec] active routers virtual IP address [chars] is different to the locally configured address [chars]

**Explanation** The HSRP virtual IP address contained in the Hello message from the Active router is different to that configured locally.

**Recommended Action** Check the configuration on all HSRP routers.

**Message** HSRP\_ENGINE-4-DUPADDR: Duplicate address %i on [chars], sourced by %e

**Explanation** The IP address in an HSRP message received on the interface is the same as the routers own IP address. This may be because of misconfiguration, or because of a malfunctioning switch'

**Recommended Action** Check the configurations on all the HSRP routers, and make sure that any switches you have are functioning properly.

**Message** HSRP\_ENGINE-4-DUPVIP1: [chars] Grp [dec] address [chars] is already assigned to a HSRP group on this interface

**Explanation** The HSRP virtual IP address contained in the Hello message cannot be learnt as it is already assigned to a different HSRP group.

**Recommended Action** Check the configuration on all HSRP routers.

**Message** HSRP\_ENGINE-4-DUPVIP2: [chars] Grp [dec] address [chars] is already assigned on this interface

**Explanation** The HSRP virtual IP address contained in the Hello message cannot be learnt as it is already assigned to this interface.

**Recommended Action** Check the configuration on all HSRP routers.

**Message** HSRP\_ENGINE-4-DUPVIP3: [chars] Grp [dec] address [chars] is already assigned to, or overlaps with, an address on another interface or application

**Explanation** The HSRP virtual IP address contained in the Hello message cannot be learnt as it is already assigned to, or overlaps with, an address on another interface or application.

**Recommended Action** Check the configuration on all HSRP routers.

## HSRP\_ENGINE-5

**Message** HSRP\_ENGINE-5-ACTIVEROUTERPRIORITY: Interface [chars] [chars] Grp [dec] Active router priority changed to [dec]

**Explanation** The priority of the Active router for the group has changed.

**Recommended Action** No action is required.

**Message** HSRP\_ENGINE-5-ACTIVE\_CHANGE: Interface [chars] [chars] Grp [dec] Active router is [chars]

**Explanation** The Active router for the group has changed.

**Recommended Action** No action is required.

**Message** HSRP\_ENGINE-5-AUTOCONFIG\_VIPLEARN: Interface [chars] grp [dec] learnt autoconfig virtual ip address [chars]

**Explanation** The local router has generate virtual ip address

**Recommended Action** No action is required.

**Message** HSRP\_ENGINE-5-GRPSTATECHANGE: Interface [chars] [chars] Grp [dec] state changed from [chars] to [chars] reason [chars]

**Explanation** The HSRP router has changed state

**Recommended Action** No action is required.

**Message** HSRP\_ENGINE-5-MACADDRESS\_CHANGE: Interface [chars] [chars] Grp [dec] mac-address changed to [chars]

**Explanation** The mac address of the group has changed.

**Recommended Action** No action is required.

**Message** HSRP\_ENGINE-5-PRIORITY: Interface [chars] [chars] Grp [dec] priority changed to [dec]

**Explanation** The current priority of the HSRP group has changed.

**Recommended Action** No action is required.

**Message** HSRP\_ENGINE-5-STANDBYROUTERPRIORITYCHANGE: Interface [chars] [chars] Grp [dec] Standby router priority changed to [dec]

**Explanation** The priority of the Standby router for the group has changed.

**Recommended Action** No action is required.

**Message** HSRP\_ENGINE-5-STANDBY\_CHANGE: Interface [chars] [chars] Grp [dec] Standby router is [chars]

**Explanation** The Standby router for the group has changed.

**Recommended Action** No action is required.

**Message** HSRP\_ENGINE-5-TIMER: Interface [chars] [chars] Grp [dec] [chars] timer changed to [dec] [chars]

**Explanation** The hello/hold timer value for the HSRP group has changed

**Recommended Action** No action is required.

**Message** HSRP\_ENGINE-5-VIPLEARN: Interface [chars] [chars] Grp [dec] learnt virtual ip address [chars]

**Explanation** The local router has learnt virtual ip address from the incoming HSRP packet.

**Recommended Action** No action is required.

## HSRP\_ENGINE-6

**Message** HSRP\_ENGINE-6-STATECHANGE2: [chars] [chars] Grp [dec] state moving from [chars]

**Explanation** The router has changed state

**Recommended Action** No action is required.

**Message** HSRP\_ENGINE-6-STATECHANGE: [chars] [chars] Grp [dec] state move to [chars]

**Explanation** The router has changed state

**Recommended Action** No action is required.

## IDEHSD Messages

This section contains the IDEHSD messages.

## IDEHSD-1

**Message** IDEHSD-1-MANUAL\_FORMAT: logflash needs to be formatted

**Explanation** Logflash is not accessible; use format logflash: to format it

**Recommended Action** No action is required.

## IDEHSD-2

**Message** IDEHSD-2-AUTO\_FORMAT: logflash auto-format [chars]

**Explanation** Logflash auto-format event

**Recommended Action** No action is required.

**Message** IDEHSD-2-DISK\_BUSY\_FAILED: Cannot unmount [chars],

**Explanation** The specified disk interface is in use. It can not be unmounted, The user may experience file system corruption

**Recommended Action** Make sure slot0 is not being used either by mounting or by any command and re-insert the disk again

**Message** IDEHSD-2-DISK\_FSCK\_FAIL: file system check returned error on slot [dec]

**Explanation** Flash file system may be corrupted, the flash was taken while it was being accessed

**Recommended Action** Reform at the external flash

**Message** IDEHSD-2-DISK\_MOUNT\_FAIL: disk mount unsuccessful on [chars]

**Explanation** Unknown flash filesystem or not cleanly unmounted.

**Recommended Action** Use vfat flash only and make sure external slot is not being accessed then re-insert flash

**Message** IDEHSD-2-DISK\_RESCAN\_FAIL: disk rescan unsuccessful on [chars]

**Explanation** Flash filesystem was not cleanly unmounted

**Recommended Action** Make sure external slot is not being accessed and re-inset the flash

**Message** IDEHSD-2-DISK\_UMOUNT\_FAIL: disk umount unsuccessful for [chars]

**Explanation** Flash filesystem is busy the system could not unmount it

**Recommended Action** Make sure external slot is not being accessed and re-inset the flash

**Message** IDEHSD-2-FORK: fork failed ([chars] process)

**Explanation** The flash daemon failed to fork

**Recommended Action** No action is required.

**Message** IDEHSD-2-INTERNAL\_ERROR: Internal Error [dec]

**Explanation** The flash daemon interface returns error

**Recommended Action** Restart the IDEHSD daemon

**Message** IDEHSD-2-MOUNT: [chars] online

**Explanation** Flash daemon mounting slot

**Recommended Action** No action is required.

**Message** IDEHSD-2-UMOUNT: [chars] offline

**Explanation** Flash daemon un-mounting slot

**Recommended Action** No action is required.

**Message** IDEHSD-2-USB\_SWAP: USB insertion or removal detected

**Explanation** USB swap event

**Recommended Action** No action is required.

## IDEHSD-3

**Message** IDEHSD-3-DEVICEOPEN\_FAILED: device open failed. Component [chars]

**Explanation** The flash daemon device open failed The failure is due to the sub-component [chars]

**Recommended Action** No action is required.

## IDEHSD-5

**Message** IDEHSD-5-DISK\_SWAP: [chars] [chars]

**Explanation** Compact flash swap event

**Recommended Action** No action is required.

## IDEHSD-6

**Message** IDEHSD-6-DISK\_BUSY: trying to unmount disk [chars]

**Explanation** Flash daemon trying to unmount busy slot

**Recommended Action** No action is required.

**Message** IDEHSD-6-DISK\_EVENT: slot [dec] [chars]

**Explanation** Flash daemon found a disk hot swap handler event

**Recommended Action** No action is required.

**Message** IDEHSD-6-IDEHSD\_INFO: [chars]

**Explanation** Flash daemon informational message

**Recommended Action** No action is required.

**Message** IDEHSD-6-IOCTL: ioctl: [chars] returns [dec]

**Explanation** Flash daemon trying to unmount busy slot

**Recommended Action** No action is required.

**Message** IDEHSD-6-STARTING: daemon started

**Explanation** The compact flash swap daemon successfully started

**Recommended Action** No action is required.

## IDEHSD-7

**Message** IDEHSD-7-IDEHSD\_TRACE: [chars] () [chars]: [dec] disk= [dec]

**Explanation** Flash daemon debug message to trace code path

**Recommended Action** No action is required.

## IFTMC Messages

This section contains the IFTMC messages.

### IFTMC-SLOT#-1

**Message** IFTMC-SLOT#-1-IFTMC\_GENERIC\_ERROR: [chars]

**Explanation** [chars]

**Recommended Action** No action is required.

### IFTMC-SLOT#-2

**Message** IFTMC-SLOT#-2-ELTMC\_INTERFACE\_INTERNAL\_ERROR: Internal error: [chars]:[chars], collect output of show tech-support eltm

**Explanation** IFTMC hit a internal error. Collect show tech-support eltm for further analysis.

**Recommended Action** No action is required.

**Message** IFTMC-SLOT#-2-ELTMC\_INTERNAL\_ERROR: Internal error: [chars], collect output of show tech-support eltm

**Explanation** IFTMC hit a internal error. Collect show tech-support eltm for further analysis.

**Recommended Action** No action is required.

**Message** IFTMC-SLOT#-2-ELTMC\_INTF\_NOT\_FOUND: Interface [chars] not found in IFTMC database [chars]

**Explanation** IFTMC database doesn't have the interface.

**Recommended Action** No action is required.

**Message** IFTMC-SLOT#-2-ELTMC\_INTF\_NOT\_SUPP: Interface [chars] not supported by IFTMC [chars]

**Explanation** IFTMC does not support the interface for the specified operation

**Recommended Action** No action is required.

**Message** IFTMC-SLOT#-2-ELTMC\_INTF\_TO\_LTL: Failed to get LTL for interface [chars] return status [chars]

**Explanation** IFTMC Failed to get LTL for interface. Packets received on this interface might not be handled correctly by the forwarding engine

**Recommended Action** No action is required.

**Message** IFTMC-SLOT#-2-ELTMC\_INTF\_TO\_SLOT: Failed to get slot for interface [chars] return status [chars]

**Explanation** IFTMC Failed to get Slot for interface. Port-channels and L2 Learning might be effected

**Recommended Action** No action is required.

**Message** IFTMC-SLOT#-2-ELTMC\_INVALID\_FTAG\_NUM: IFTMC received INVALID Number of FTAGs in the message. [chars]

**Explanation** IFTMC Failed: Received INVALID Ftags

**Recommended Action** No action is required.

**Message** IFTMC-SLOT#-2-ELTMC\_L2\_LIF\_ALLOC\_FAIL\_INTF: Failed to allocate L2 LIF entries in forwarding engine for interface [chars]

**Explanation** IFTMC Failed to allocate L2 LIF entries in forwarding engine. This will effect Layer 2 and Layer 3 forwarding for the interface

**Recommended Action** No action is required.

**Message** IFTMC-SLOT#-2-ELTMC\_L2\_LIF\_ALLOC\_FAIL\_VDC: Failed to allocate L2 LIF entries in forwarding engine

**Explanation** IFTMC Failed to allocate L2 LIF entries in forwarding engine. This will effect Layer 2 and Layer 3 forwarding in this VDC

**Recommended Action** No action is required.



**Message** IFTMC-SLOT#-2-ELTMC\_L3\_INGRESS\_LIF\_ALLOC\_FAIL\_INTF: Failed to allocate L3 Ingress LIF entries in forwarding engine for interface [chars]

**Explanation** IFTMC Failed to allocate L3 Ingress LIF entries in forwarding engine. This will effect Layer 3 forwarding for the interface

**Recommended Action** No action is required.

**Message** IFTMC-SLOT#-2-ELTMC\_RSVD\_VLAN: Failed to get the reserved vlans. Failed with error [chars]

**Explanation** IFTMC Failed to get the reserved vlans. This will effect multicast forwarding on SVI interfaces.

**Recommended Action** No action is required.

**Message** IFTMC-SLOT#-2-ELTMC\_VLAN\_INTERNAL\_ERROR: Internal error: VLAN [dec]:[chars], collect output of show tech-support eltm

**Explanation** IFTMC hit a internal error. Collect show tech-support eltm for further analysis.

**Recommended Action** No action is required.

**Message** IFTMC-SLOT#-2-IFTMC\_BD\_NULL\_WARN: IFTMC BD is zero: [chars]

**Explanation** IFTMC BD is zero, SVI create before vlan create

**Recommended Action** No action is required.

**Message** IFTMC-SLOT#-2-IFTMC\_FCOE\_FEATURE\_REQ\_FAIL: FCOE feature request for interface [chars] cannot be processed

**Explanation** FCOE feature request cannot be processed with ILM sharing, failure status does not get returned to calling app. Possible ACLQOS verify/commit fail prior to this feature request.

**Recommended Action** No action is required.

**Message** IFTMC-SLOT#-2-IFTMC\_FTAG\_PROG\_FAIL: Failed to program ftag list as it exceeds the platform limit [dec]

**Explanation** IFTM Failed to apply ftag list on an interface

**Recommended Action** No action is required.

**Message** IFTMC-SLOT#-2-IFTMC\_PVLAN\_XLT\_FAIL: Failed to apply translation table [chars]

**Explanation** IFTM Failed to apply vlan translation table on an interface

**Recommended Action** No action is required.

**Message** IFTMC-SLOT#-2-IFTMC\_RES\_ALLOC\_FAIL: IFTMC resource allocation failure: [chars]

**Explanation** IFTMC failed resource allocation

**Recommended Action** No action is required.

**Message** IFTMC-SLOT#-2-IFTMC\_RES\_ALLOC\_WARN: IFTMC resource allocation warning: [chars]

**Explanation** IFTMC resource usage has exceeded a preset threshold

**Recommended Action** No action is required.

**Message** IFTMC-SLOT#-2-IFTMC\_RSVD\_VLAN: FEX\_RESERVED\_VLAN\_ERR: [chars]

**Explanation** VLAN\_MGR SDB call returned FAILURE for FEX

No action is required.

## IKE Messages

This section contains the IKE messages.

### IKE-3

**Message** IKE-3-CRYPTO\_INIT\_ERROR: IKEv2 crypto init error: [chars]

**Explanation** Crypto initialization error

**Recommended Action** No action is required.

**Message** IKE-3-ENABLE\_ERROR: Unable to store enable flag in configuration (error-id [hex]).

**Explanation** Service failed to store the enable flag in configuration. As a result, it will exit

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IKE-3-FIPS\_MODE\_ERROR: Could not set FIPS mode

**Explanation** The FIPS mode could not be set by IKE

**Recommended Action** No action is required.

**Message** IKE-3-IKE\_PROGRAM\_EXIT: [chars]

**Explanation** IKE process did an abnormal exit

**Recommended Action** No action is required.

**Message** IKE-3-MAX\_HALF\_CONN\_LIMIT\_REACHED: IKEv1: Exceeded the limit for number of half open Phase 1 connections

**Explanation** The number of half open connections has exceeded the maximum limit

**Recommended Action** No action is required.

**Message** IKE-3-PHASE1\_NEGOTIATION\_FAILED: IKEv1: Phase 1 negotiation failed for peer [chars]

**Explanation** IKE policy negotiation failed for peer [chars].

**Recommended Action** No action is required.

**Message** IKE-3-PHASE1\_PROPOSAL\_MISMATCH: IKEv1: No matching phase 1 proposal found for peer [chars]

**Explanation** There is a IKE policy mismatch for the peer.

**Recommended Action** No action is required.

**Message** IKE-3-PHASE2\_NEGOTIATION\_FAILED: IKEv1: Phase 2 negotiation failed for peer [chars]

**Explanation** IPsec policy negotiation failed for peer [chars].

**Recommended Action** No action is required.

**Message** IKE-3-PHASE2\_PROPOSAL\_MISMATCH: IKEv1: No matching phase 2 proposal found for peer [chars]

**Explanation** There is a IPsec policy mismatch for the peer.

**Recommended Action** No action is required.

**Message** IKE-3-UNSUPPORTED\_EXCHANGE: IKEv1: Unsupported exchange [dec] received from [chars]

**Explanation** A unsupported IKE exchange type [digits] was received from [chars]

**Recommended Action** No action is required.

## IKE-4

**Message** IKE-4-INVALID\_PAYLOAD\_APPEAR: IKEv2 received message (from [chars]) with payload ([chars]) appeared in [chars]([chars])

**Explanation** Received a payload in an inappropriate exchange

**Recommended Action** No action is required.

**Message** IKE-4-MESSAGE\_ERROR: IKEv2 message (from [chars]) message error: [chars]

**Explanation** Received a malformed message which does not adhere to the protocol

**Recommended Action** No action is required.

**Message** IKE-4-PARSING\_ERROR: IKEv2 message (from [chars]) parsing error: [chars]

**Explanation** Received a malformed message which can not be parsed appropriately

**Recommended Action** No action is required.

**Message** IKE-4-UNKNOWN\_PAYLOAD: IKEv2 received message (from [chars]) with un-recognized payload ([chars])

**Explanation** Received an invalid payload

**Recommended Action** No action is required.

**Message** IKE-4-UNSUPPORT: [chars] is not supported (message from [chars])

**Explanation** Received something unsupported

**Recommended Action** No action is required.

## IKE-6

**Message** IKE-6-POLL\_START\_DONE: IKE is exiting since it is not enabled

**Explanation** IKE is exiting since it is not enabled in the configuration

**Recommended Action** No action is required.

## ILC-SPAN Messages

This section contains the ILC-SPAN messages.

## ILC-SPAN-3

**Message** ILC-SPAN-3-ERROR: [chars]

**Explanation** Ilc\_span\_mgr encountered an error

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## ILC\_HELPER Messages

This section contains the ILC-HELPER messages.

### ILC\_HELPER-2

**Message** ILC\_HELPER-2-NO\_LICENSE\_REBOOT: Linecard [dec] will reboot now.

**Explanation** SSE License has expired, hence the linecard will be rebooted.

**Recommended Action** Install appropriate SSE license to be able to use SSM features normally

### ILC\_HELPER-3

**Message** ILC\_HELPER-3-INVALID\_SSI: [chars]

**Explanation** The ssi boot variable is configured to an invalid image. So, the linecard will be bought online in basic mode instead of advanced SSI mode

**Recommended Action** Configure a proper image for the ssi boot variable

### ILC\_HELPER-6

**Message** ILC\_HELPER-6-LICENSE\_VALID: A valid license for linecard [dec] has been obtained

**Explanation** A valid license has been obtained for the SSM

**Recommended Action** No action is required.

**Message** ILC\_HELPER-6-UPGRADE\_DELAY: The SSI upgrade on slot [dec] is delayed by [dec] secs.

**Explanation** The SSI upgrade is delayed due to the configured SSM upgrade delay command

**Recommended Action** No action is required.

## IMAGE\_DNLD Messages

This section contains the IMAGE\_DNLD messages.

### IMAGE\_DNLD-SLOT#-2

**Message** IMAGE\_DNLD-SLOT#-2-ADDON\_IMG\_DNLD\_FAILED: Module image download process failed. [chars]

**Explanation** Addon image download to module failed. This module is not operational until an addon image has been successfully installed.

**Recommended Action** Verify the location and version of your module image. Use the install module cli command to download a new module image.

**Message** IMAGE\_DNLD-SLOT#-2-IMG\_DNLD\_COMPLETE: Module image download process. [chars]

**Explanation** Image download completed. Module image is being installed.

**Recommended Action** No action is required.

**Message** IMAGE\_DNLD-SLOT#-2-IMG\_DNLD\_FAILED: Module image download process. [chars]

**Explanation** Image download failed. Module may be inoperable.

**Recommended Action** Use show module cli command to verify the state of this module. Retry image download with install module cli command.

**Message** IMAGE\_DNLD-SLOT#-2-IMG\_DNLD\_FILE\_SYSTEM\_CHECK\_ERROR: File System check failed: [chars]

**Explanation** File system consistency check failed

**Recommended Action** File-system repair is needed using fsck

**Message** IMAGE\_DNLD-SLOT#-2-IMG\_DNLD\_STARTED: Module image download process. [chars]

**Explanation** Image download started. Module image downloads are non-disruptive to module operation.

**Recommended Action** No action is required.

## IMAGE\_DNLD-SLOT#-4

**Message** IMAGE\_DNLD-SLOT#-4-IMG\_DNLD\_FILE\_SYSTEM\_RECREATION: [chars]. Partition was erased and successfully recreated.

**Explanation** File system checking and recreation if necessary for /images.

**Recommended Action** No action is required.

## IMAGE\_DNLD-SLOT#-5

**Message** IMAGE\_DNLD-SLOT#-5-ADDON\_IMG\_DNLD\_COMPLETE: Addon module image download process completed. [chars]

**Explanation** Addon image download to module has completed. The module should now be installing this new image.

**Recommended Action** This message is informational only.

**Message** IMAGE\_DNLD-SLOT#-5-ADDON\_IMG\_DNLD\_STARTED: Addon module image download process started. [chars]

**Explanation** Addon image download to module has started. This is a disruptive download and this module will be inoperable until this download process is complete.

**Recommended Action** This message is informational only.

**Message** IMAGE\_DNLD-SLOT#-5-ADDON\_IMG\_DNLD\_SUCCESSFUL: Addon module image download and install process successful. [chars]

**Explanation** Addon image download and install to module is successful.

**Recommended Action** Use the show module cli command to verify the modules operational status.

## IMAGE\_UPGRADE Messages

This section contains the IMAGE\_UPGRADE messages.

### IMAGE\_UPGRADE-SLOT#-2

**Message** IMAGE\_UPGRADE-SLOT#-2-IMAGE\_UPGRADE\_ERROR: [chars]

**Explanation** Image Upgrade Error

**Recommended Action** No action is required.

## IMAGE\_UPGRADE-SLOT#-4

**Message** IMAGE\_UPGRADE-SLOT#-4-IMAGE\_UPGRADE\_INFO: [chars]

**Explanation** Image Upgrade Info

**Recommended Action** No action is required.

## IM Messages

This section contains the IM messages.

### IM-1

**Message** IM-1-IM\_STDBY\_MGMT\_STATE: Warning: Standby supervisor mgmt0 link is down. Proceeding with the install will cause the standby supervisor to become active. This will result in loss of out of band management access to the switch.

**Explanation** Standby supervisor mgmt0 link is down. Proceeding with the install will cause the standby supervisor to become active. This will result in loss of out of band management access to the switch. The **show interface mgmt0 standby** command can be used from the active supervisor to display the standby supervisor's mgmt0 interface status.

**Recommended Action** Please fix the Standby supervisor mgmt0 link.

**Message** IM-1-IM\_STDBY\_MGMT\_STATE\_SSO: System switchover not allowed when standby supervisor mgmt0 link is down. Use the `bypass-standby-mgmt0` parameter to bypass this check and perform switchover to standby supervisor.

**Explanation** System switchover not allowed when standby supervisor mgmt0 link is down. Use the `bypass-standby-mgmt0` parameter to bypass this check and perform switchover to standby supervisor. This will result in a loss of out of band management access to the switch until the mgmt0 port on the newly active supervisor is brought up. The **show interface mgmt0 standby** command can be used from the active supervisor to display the standby supervisor's mgmt0 interface status.

**Recommended Action** Please fix the Standby supervisor mgmt0 link or use the **system switchover bypass-standby-mgmt0** command.

### IM-3

**Message** IM-3-IM\_IF\_FEATURE\_BIND\_FAILURE: Interface feature bind failed [chars]

**Explanation** Interface feature bind failed, so applications in that feature set may not behave correctly.

**Recommended Action** No action is required.



**Message** IM-3-IM\_LC\_OFFLINE\_ERROR: LC Offline could not be sent to vdc:[dec]

**Explanation** LC Offline was not relayed to some VDC, so applications may not behave correctly.

**Recommended Action** No action is required.

**Message** IM-3-IM\_RESP\_ERROR: Component [chars] opcode:[chars] in vdc:[dec] returned error:[chars]

**Explanation** Some component returned an error.

**Recommended Action** No action is required.

**Message** IM-3-IM\_SEQ\_ERROR: Error ([chars]) while communicating with component [chars] opcode:[chars] (for:[chars])

**Explanation** Some component did not respond to a request in stipulated time.

**Recommended Action** No action is required.

## IM-5

**Message** IM-5-IM\_DEMUX\_ERROR: [chars]

**Explanation** Demux function returned error

**Recommended Action** No action is required.

**Message** IM-5-IM\_INTERNAL\_ERROR: [chars]

**Explanation** Internal error occurred

**Recommended Action** No action is required.

**Message** IM-5-IM\_INTF\_STATE: [chars] [chars] in vdc [dec]

**Explanation** Management interface state changed.

**Recommended Action** No action is required.

**Message** IM-5-IM\_UNKNOWN\_INTERFACE: [chars]

**Explanation** Interface is not supported or not found

**Recommended Action** No action is required.

## INSTALLER Messages

This section contains the INSTALLER messages.

### INSTALLER-1

**Message** `INSTALLER-1-UPGRADE_EXCEEDED_DOWNTIME`: Switch control plane down more than 80 seconds.

**Explanation** This message indicates that control plane was down for more than 80 seconds.

**Recommended Action** No action is required.

### INSTALLER-5

**Message** `INSTALLER-5-UPGRADE_ABORTED`: System upgrade aborted.

**Explanation** This message indicates that system wide upgrade has aborted.

**Recommended Action** No action is required.

**Message** `INSTALLER-5-UPGRADE_COMPLETED`: System upgrade completed.

**Explanation** This message indicates system wide upgrade has completed.

**Recommended Action** No action is required.

**Message** `INSTALLER-5-UPGRADE_INITIATED`: System upgrade initiated.

**Explanation** System wide upgrade has been initiated by the user.

**Recommended Action** No action is required.

**Message** `INSTALLER-5-UPGRADE_STOPPED`: System upgrade stopped.

**Explanation** This message indicates that system wide upgrade has been stopped by the user.

**Recommended Action** No action is required.

## INTERFACE\_VLAN Messages

This section contains the INTERFACE\_VLAN messages.

## INTERFACE\_VLAN-4

**Message** INTERFACE\_VLAN-4-SVI\_IF\_CONFIG\_DELETED\_NOTIF\_DELAYED\_DROPPED: Interface VLAN Delete Notification Not Processed on Time by SAP [dec] ([chars])

**Explanation** This SAP took long time in processing Interface VLAN delete notification and caused timeout

**Recommended Action** No action is required.

**Message** INTERFACE\_VLAN-4-SVI\_IF\_CONFIG\_REMOVED\_NOTIF\_DELAYED\_DROPPED: Interface VLAN Remove Notification Not Processed on Time by SAP [dec] ([chars])

**Explanation** This SAP took long time in processing Interface VLAN remove notification and caused timeout

**Recommended Action** No action is required.

**Message** INTERFACE\_VLAN-4-SVI\_VLAN\_DOES\_NOT\_EXIST: Vlan [dec] does not exist

**Explanation** Vlan not created before assignment

**Recommended Action** Interface-vlan

**Message** INTERFACE\_VLAN-4-SVI\_WARN\_SVI\_UP\_IN\_NON\_ROUTABLE\_VDC: Interface VLAN [dec] is being kept up in non-routable VDC. Reason: management configuration enabled. Please disable all the routing protocols

**Explanation** Keeping Interface VLAN up in non-routable VDC may cause potential traffic black hole

**Recommended Action** No action is required.

## INTERFACE\_VLAN-5

**Message** INTERFACE\_VLAN-5-IF\_DOWN\_ADMIN\_DOWN: Interface [chars] is down (Administratively Down)

**Explanation** Interface has been configured to be administratively down

**Recommended Action** No action is required.

**Message** INTERFACE\_VLAN-5-IF\_DOWN\_ERROR\_DISABLED: Interface [chars] is down. Reason [dec]

**Explanation** The interface encountered an error while configuring it

**Recommended Action** No action is required.

**Message** INTERFACE\_VLAN-5-IF\_DOWN\_INACTIVE: Interface [chars] is down (Inactive)

**Explanation** Interface VLAN has been suspended or deleted

**Recommended Action** No action is required.

**Message** INTERFACE\_VLAN-5-SVI\_DISABLED: SVI Disabled

**Explanation** SVI Service Disabled

**Recommended Action** No action is required.

**Message** INTERFACE\_VLAN-5-SVI\_ENABLED: SVI Enabled

**Explanation** SVI Service Enabled

**Recommended Action** No action is required.

**Message** INTERFACE\_VLAN-5-SVI\_GET\_MAC\_FAILED: Failed to acquire MAC address for SVI [hex]

**Explanation** SVI failed to acquire MAC address

**Recommended Action** No action is required.

**Message** INTERFACE\_VLAN-5-SVI\_INIT: SVI initialization failed with error [hex]

**Explanation** SVI initialization error

**Recommended Action** No action is required.

**Message** INTERFACE\_VLAN-5-SVI\_IOD\_RELEASE\_ERROR\_RESPONSE: IM failed to release SVI IOD error [hex]

**Explanation** IM failed to release SVI IOD

**Recommended Action** No action is required.

**Message** INTERFACE\_VLAN-5-SVI\_MTS\_SEND\_FAILURE: MTS send failure for opcode [dec], error [hex]

**Explanation** SVI encountered an error in with MTS message

**Recommended Action** No action is required.

**Message** INTERFACE\_VLAN-5-SVI\_MTS\_TIME\_OUT: MTS send timed out

**Explanation** SVI did not receive response for mts message

**Recommended Action** No action is required.

**Message** INTERFACE\_VLAN-5-SVI\_RSRVD\_VLAN\_FAILED: Failed to get list of reserved vlans [hex]

**Explanation** SVI failed to get the list reserved vlans

**Recommended Action** No action is required.

**Message** INTERFACE\_VLAN-5-SVI\_SDB\_UPDATE\_FAILED: sdb update failed with ret\_val [dec]

**Explanation** SDB updated failed for SVI

**Recommended Action** No action is required.

**Message** INTERFACE\_VLAN-5-SVI\_SEC\_VLAN\_FAILED: Failed to get list of secondary vlans [hex]

**Explanation** SVI failed to get the list of secondary vlans

**Recommended Action** No action is required.

**Message** INTERFACE\_VLAN-5-UPDOWN: Line Protocol on Interface [chars], changed state to [chars]

**Explanation** Line protocol status changed for an interface

**Recommended Action** No action is required.

## IOA\_LC Messages

This section contains the IOA\_LC messages.

### IOA\_LC-5

**Message** IOA\_LC-5-IOA\_DISABLED: IOA Disabled

**Explanation** IOA Service Disabled

**Recommended Action** No action is required.

**Message** IOA\_LC-5-IOA\_ENABLED: IOA Enabled

**Explanation** IOA Service enabled

**Recommended Action** No action is required.

## IPACL Messages

This section contains the IPACL messages.

### IPACL-0

**Message** IPACL-0-EMERG: [chars]

**Explanation** Ipacl caused a system failure

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

### IPACL-1

**Message** IPACL-1-ALERT: [chars]

**Explanation** Ipacl caused failures in other services

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

### IPACL-2

**Message** IPACL-2-CRIT: [chars]

**Explanation** Ipacl encountered a catastrophic error

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

### IPACL-3

**Message** IPACL-3-ERR: [chars]

**Explanation** Ipacl encountered an error

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## IPACL-4

- Message** IPACL-4-WARN: [chars]
- Explanation** Ipacl warning message
- Recommended Action** No action is required.

## IPACL-5

- Message** IPACL-5-NOTE: [chars]
- Explanation** Ipacl does not support this operation
- Recommended Action** No action is required.

## IPACL-6

- Message** IPACL-6-INFO: [chars]
- Explanation** Ipacl event occurred
- Recommended Action** No action is required.

## IPFC Messages

This section contains the IPFC messages.

### IPFC-2

- Message** IPFC-2-ALLOC\_MEMORY: Memory allocation failed
- Explanation** The service failed to allocate a block of dynamic memory.
- Recommended Action** No action is required.

### IPFC-3

- Message** IPFC-3-INIT\_FAILED: Initialization failed. Component [chars]
- Explanation** The service failed to start. The failure occurred while initializing the component [chars].
- Recommended Action** Show processes to check the status of the other processes, debug the specified component.

**Message** IPFC-3-IOCTL\_FAILED: IOCTL failed

**Explanation** An IOCTL to the character device failed.

**Recommended Action** Show IPFC internal interface VSAN <number>

**Message** IPFC-3-PSSERROR: [chars]

**Explanation** IPFC manager encountered a PSS error.

**Recommended Action** No action is required.

## IPFC-5

**Message** IPFC-5-CONFIG\_EVENT: VSAN interface [dec] [chars]

**Explanation** The specified VSAN Interface has been successfully [chars].

**Recommended Action** No action is required.

**Message** IPFC-5-STATE\_CHANGE: VSAN interface [dec] [chars]

**Explanation** The specified VSAN Interface is [chars].

**Recommended Action** No action is required.

## IPFC-6

**Message** IPFC-6-STARTING: IP Over Fiber Channel service started

**Explanation** The service has successfully started.

**Recommended Action** No action is required.

## IPQOSMGR Messages

This section contains the IPQOSMGR messages.

### IPQOSMGR-2

**Message** IPQOSMGR-2-QOSMGR\_DCBXP\_PFC\_CMP\_FAIL\_MSG: [chars] - qos config [chars] not compatible with the peer

**Explanation** Port\_id [chars] has qos config [chars] which is incompatible with the peer.

**Recommended Action** No action is required.



**Message** IPQOSMGR-2-QOSMGR\_HA\_FAILURE: Failed to do high availability operation: [chars].

**Explanation** Failed to do high availability operation. [chars] is the reason.

**Recommended Action** No action is required.

**Message** IPQOSMGR-2-QOSMGR\_INIT\_FAILED: Initialization failed for QoS Manager: [chars], reason: [hex].

**Explanation** Initialization failed for QoS Manager due to [chars], reason: [hex].

**Recommended Action** No action is required.

**Message** IPQOSMGR-2-QOSMGR\_MTS\_FAILURE: Failed to do MTS operation: [chars].

**Explanation** Failed to do MTS operation. [chars] is the reason.

**Recommended Action** No action is required.

**Message** IPQOSMGR-2-QOSMGR\_MTS\_REGISTRATION\_FAILED: MTS options setting to [hex] failed for opCode: [dec].

**Explanation** MTS options setting to [hex] failed for opCode: [dec].

**Recommended Action** No action is required.

**Message** IPQOSMGR-2-QOSMGR\_NETWORK\_QOS\_POLICY\_CHANGE: Policy [chars] is now active

**Explanation** [chars] is the new active network-qos policy

**Recommended Action** No action is required.

**Message** IPQOSMGR-2-QOSMGR\_PSS\_FAILURE: Failed to do PSS operation: [chars], reason: [hex].

**Explanation** Failed to do PSS operation [chars]. [hex] is the reason.

**Recommended Action** No action is required.

**Message** IPQOSMGR-2-QOSMGR\_PSS\_VER\_FAIL: PSS file [chars] has version [dec].[dec].[dec], expected version [dec].[dec].[dec].

**Explanation** There was a mismatch in the PSS version. [chars] indicates the PSS service, [dec].[dec].[dec] its current version number and [dec].[dec].[dec] the expected version.

**Recommended Action** No action is required.

## IPQOSMGR-3

**Message** IPQOSMGR-3-QOSMGR\_CONFIG\_ERROR: Configuration error: [chars].

**Explanation** Configuration error. [chars] is the reason.

**Recommended Action** No action is required.

**Message** IPQOSMGR-3-QOSMGR\_NVDC\_PFF\_ERROR: PPF verify/commit failed in vdc [dec] error: [hex] for global qos command

**Explanation** For global qos command, PPF verify/commit failed in vdc [dec] with reason [hex].

**Recommended Action** No action is required.

**Message** IPQOSMGR-3-QOSMGR\_PFF\_ERROR: PPF library error: [chars].

**Explanation** PPF library errors. [chars] is the reason.

**Recommended Action** No action is required.

## IPQOSMGR-4

**Message** IPQOSMGR-4-QOSMGR\_LC\_ERROR\_MSG: Linecard [dec] returned an error: [chars]

**Explanation** Linecard [dec] returned an Message which is reported as [chars].

**Recommended Action** No action is required.

**Message** IPQOSMGR-4-QOSMGR\_POLICIES\_PRESENT\_ON\_DELETED\_VLANS: Some VLANs (id: [chars]) which are getting deleted now are still having qos service-policy attached. These policies will be effective only when the VLANs get created again.

**Explanation** VLAN(s) [chars] is (are) getting deleted now. This is an informational message to notify that QoS service-policies are present when the vlan is deleted. If the service-policies are not needed, please detach them from the vlans

**Recommended Action** No action is required.

**Message** IPQOSMGR-4-QOSMGR\_PFF\_WARNING: PPF library warning: [chars].

**Explanation** PPF library warning. [chars] is the reason.

**Recommended Action** No action is required.

**Message** IPQOSMGR-4-QOSMGR\_WARNING\_MSG: [chars] [dec]

**Explanation** QOSMGR warning messages is reported as [chars] [dec].

**Recommended Action** No action is required.

## IPQOSMGR-6

**Message** IPQOSMGR-6-QOSMGR\_DCBXP\_CMP\_FAIL\_MSG: [chars] - qos config [chars] not compatible with the peer

**Explanation** DCBXP warning: Port\_id [chars] has qos config [chars] which is incompatible with the peer.

**Recommended Action** No action is required.

**Message** IPQOSMGR-6-QOSMGR\_STATUS: QOSMGR Status: [chars].

**Explanation** QOSMGR status is reported as [chars].

**Recommended Action** No action is required.

## IPSEC Messages

This section contains the IPSEC messages.

### IPSEC-2

**Message** IPSEC-2-IPSEC\_INIT: IPsec initialization of [chars] [chars]

**Explanation** IPsec initialization failed

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IPSEC-2-IPSEC\_SPD\_OVERFLOW\_DUE\_TO\_ACL: SPD Overflow on interface due to IP ACL [chars] bound to crypto map [chars] [dec]

**Explanation** Modifying IP ACL caused Security Policy Database on the interface to overflow, IP ACL filter not applied to security policy database

**Recommended Action** Undo IP ACL change

## IPSEC-3

**Message** IPSEC-3-14\_2\_MODULE\_PACKETS\_DROPPED: [chars]: packets were dropped in the module

**Explanation** Packets dropped in the 14/2 module. Please collect drop statistics using show ipsec internal crypto-acc interface gigabyte <slot/port>

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IPSEC-3-IPSEC\_FIPS\_TEST\_FAILED: IPSEC FIPS compliance test failed

**Explanation** IPSEC FIPS compliance test failed

**Recommended Action** No action is required.

**Message** IPSEC-3-IPSEC\_MSG\_SEND\_FAILURE: failed to send [chars] to sap [dec]: [chars]

**Explanation** Failed to send a message

**Recommended Action** No action is required.

## IPSEC-5

**Message** IPSEC-5-IPSEC\_CMS\_IF\_ACL\_UPDATED: IP ACL [chars] updated while Crypto map [chars] [dec] bound to interface(s)

**Explanation** IP ACL updated while it is mapped to a crypto map that is bound to interface(s)

**Recommended Action** No action is required.

**Message** IPSEC-5-IPSEC\_DISABLED\_LIC\_EXPIRED: IPsec Disabled due to License Expiry

**Explanation** IPsec Disabled due to License Expiry

**Recommended Action** No action is required.

**Message** IPSEC-5-IPSEC\_DISABLED: IPsec Disabled

**Explanation** IPsec Disabled

**Recommended Action** No action is required.

**Message** IPSEC-5-IPSEC\_ENABLED: IPsec Enabled

**Explanation** IPsec Enabled

**Recommended Action** No action is required.

**Message** IPSEC-5-IPSEC\_SA\_CREATED: [chars]: IPsec SA created: local\_ip: [chars], peer\_ip: [chars], [chars] SPI: [dec] ([hex])

**Explanation** IPsec SA created

**Recommended Action** No action is required.

**Message** IPSEC-5-IPSEC\_SA\_DELETED: [chars]: IPsec SA deleted: local\_ip: [chars], peer\_ip: [chars], [chars] SPI: [dec] ([hex]), reason: [chars]

**Explanation** IPsec SA deleted

**Recommended Action** No action is required.

**Message** IPSEC-5-IPSEC\_SA\_REKEYED: [chars]: IPsec SA rekeyed: local\_ip: [chars], peer\_ip: [chars], [chars] SPI: [dec] ([hex])

**Explanation** IPsec SA rekeyed

**Recommended Action** No action is required.

**Message** IPSEC-5-IPSEC\_TUNNEL\_CREATED: [chars]: IPsec tunnel created: local\_ip: [chars], peer\_ip: [chars], id: [dec], protocol: [chars], traffic:: local: [chars]/[chars], port: [chars], remote: [chars]/[chars], ports: [chars]

**Explanation** IPsec tunnel created

**Recommended Action** No action is required.

**Message** IPSEC-5-IPSEC\_TUNNEL\_DELETED: [chars]: IPsec tunnel deleted: local\_ip: [chars], peer\_ip: [chars], id: [dec], protocol: [chars], traffic:: local: [chars]/[chars], ports: [chars] remote: [chars]/[chars], ports: [chars]

**Explanation** IPsec tunnel deleted

**Recommended Action** No action is required.

**Message** IPSEC-5-IPSEC\_TUNNEL\_REKEYED: [chars]: IPsec tunnel rekeyed: local\_ip: [chars], peer\_ip: [chars], id: [dec], protocol: [chars] traffic:: local: [chars]/[chars], ports: [chars] remote: [chars]/[chars], ports: [chars]

**Explanation** IPsec tunnel rekeyed

**Recommended Action** No action is required.

## IPS\_SB\_MGR Messages

This section contains the IP\_SB\_MGR messages.

### IPS\_SB\_MGR-SLOT#-2

**Message** IPS\_SB\_MGR-SLOT#-2-NODE\_CORE\_NOT\_RESPONDING: [Node [dec], Core [dec]]: Not responding to heartbeats, state=[hex]

**Explanation** Node is not incrementing heartbeats periodically

**Recommended Action** Potential node software issue. Please contact your support representative

**Message** IPS\_SB\_MGR-SLOT#-2-NODE\_NOT\_RESPONDING: [Node [dec], Core [dec]]: Not responding to heartbeats

**Explanation** Node manager is not receiving heartbeat responses from the node

**Recommended Action** Potential node software issue. Please contact your support representative

**Message** IPS\_SB\_MGR-SLOT#-2-NODE\_REIMAGE\_PREPARE\_FAIL: [Node [dec]]: Disk formatting failed during node install

**Explanation** There was a problem during the partitioning of disk and creation of file systems during node install.

**Recommended Action** Potential node software issue. Please contact your support representative

**Message** IPS\_SB\_MGR-SLOT#-2-PORT\_SOFTWARE\_FAILURE: Port software failure, module [dec] port [dec]

**Explanation** The software servicing the data path on the port has failed

**Recommended Action** No action is required.

### IPS\_SB\_MGR-SLOT#-3

**Message** IPS\_SB\_MGR-SLOT#-3-COMP\_FAILURE: Heartbeat failure in compression engine (error [hex])

**Explanation** The compression engine did not respond to heartbeats, due to some failure. SAN-OS will restart the compression engine to clear the problem.

**Recommended Action** No action is required.

**Message** IPS\_SB\_MGR-SLOT#-3-CRYPTO\_FAILURE: Heartbeat failure in encryption engine (error [hex])

**Explanation** The encryption engine did not respond to heartbeats, due to some failure. SAN-OS will restart the encryption engine to clear the problem.

**Recommended Action** No action is required.

**Message** IPS\_SB\_MGR-SLOT#-3-FIPS\_SELF\_TEST\_FAILURE: [chars] Restarting the octeon...

**Explanation** FIPS self test failed for the algorithm. Restarting the octeon.

**Recommended Action** No action is required.

## IPS\_SB\_MGR-SLOT#-4

**Message** IPS\_SB\_MGR-SLOT#-4-NODE\_NOT\_COMPAT\_WITH\_ADD\_ON: svc-node[dec] image is not compatible with svclc image

**Explanation** The svc image on the node is not compatible with the add on image running on the linecard.

**Recommended Action** Please contact your support representative

**Message** IPS\_SB\_MGR-SLOT#-4-NODE\_NOT\_COMPAT\_WITH\_CURRENT: svc-node[dec] image is not compatible with current node image

**Explanation** The new svc image is not compatible with the svc image currently running on the node

**Recommended Action** Please contact your support representative

**Message** IPS\_SB\_MGR-SLOT#-4-NODE\_NOT\_COMPAT\_WITH\_SUP: svc-node[dec] image is not compatible with system image

**Explanation** The svc image on the node is not compatible with the supervisor image.

**Recommended Action** Please contact your support representative

## IPS\_SB\_MGR-SLOT#-6

**Message** IPS\_SB\_MGR-SLOT#-6-SBMGR\_EVENT: Sbmgr event: [chars]

**Explanation** This is an event log of sb\_mgr relating to a port/node

**Recommended Action** No action is required.

## IPS Messages

This section contains the IPS messages.

### IPS-2

**Message** IPS-2-ISCSI\_IPS\_INIT: IPS initialization of [chars] [chars]

**Explanation** IPS initialization failed

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

### IPS-3

**Message** IPS-3-DUP\_IPV4\_ADDR\_DETECTED: duplicate IP address ([chars]) sent from link address ([chars])

**Explanation** Duplicate IPv4 address is configured in the network

**Recommended Action** No action is required.

**Message** IPS-3-FCIP\_FTA\_ACCEL\_CHAIN\_ABORTED: Exch Aborted FC oxid [hex] My oxid [hex] State [chars] Event [chars] CH FCID: [hex] CHI: [hex] CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec] (Internal [hex]:[hex])

**Explanation** FTA Exch being aborted

**Recommended Action** Informational no action required

**Message** IPS-3-FCIP\_FTA\_DATA\_SENSE: Sense data with ERA [hex] sent to CH FCID: [hex] CHI: [hex] from FCIP CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec]

**Explanation** Sense data with ERA sent

**Recommended Action** SYSLOGDOC\_CONTACT\_TAC

**Message** IPS-3-FCIP\_FTA\_ERA\_35: ERA 0x35 presented to CH FCID: [hex] CHI: [hex] from FCIP CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec]

**Explanation** FCIP got an ERA 35

**Recommended Action** SYSLOGDOC\_CONTACT\_TAC



**Message** IPS-3-FCIP\_FTA\_ERA\_38: ERA 0x38 received CH FCID: [hex] CHI: [hex] from FCIP CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec] at tape capacity: [dec] MB

**Explanation** FCIP got an ERA 38

**Recommended Action** SYSLOGDOC\_CONTACT\_TAC

**Message** IPS-3-FCIP\_FTA\_LOCATE\_RBID\_MISMATCH: Permanent Error due to Locate RBID Mismatch, CH FCID: [hex] CHI: [hex] CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec]

**Explanation** FCIP-FTA got a Permanent Error

**Recommended Action** Informational no action required

**Message** IPS-3-FCIP\_FTA\_PERM\_ERR: Permanent Error, ERA [hex] rcvd CH FCID: [hex] CHI: [hex] CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec] sense\_byte[2,6]: [[hex], [hex]]

**Explanation** FCIP-FTA got a Permanent Error

**Recommended Action** Informational no action required

**Message** IPS-3-FCIP\_FTA\_RETRY\_ERROR: [chars] retries [dec] FC oxid [hex] My oxid [hex] State [chars] Event [chars] CH FCID: [hex] CHI: [hex] CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec]

**Explanation** FTA Command timed out

**Recommended Action** Informational no action required

**Message** IPS-3-FCIP\_LINK\_STAT\_LOSS\_OF\_SYNC: [chars]: Loss of Sync ([chars])

**Explanation** FCIP Link Failed with Loss of Sync.

**Recommended Action** No action is required.

**Message** IPS-3-IPS\_CRYPTOFIPS\_FAILED: IPS module [dec] has failed FIPS tests. FIPS info - [chars]

**Explanation** FIPS error occurred in the IPS module.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IPS-3-IPS\_EGRESS\_PERR: Parity error on dma-bridge egress. Count: [dec]

**Explanation** Parity error occurred in dma-bridge egress direction.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IPS-3-IPS\_FIPS\_MODE\_ERROR: IPS FIPS error: [chars]

**Explanation** IPS module FIPS mode error

**Recommended Action** No action is required.

**Message** IPS-3-IPS\_FIPS\_TEST\_FAILED: IPS FIPS compliance test failed

**Explanation** IPS FIPS compliance test failed

**Recommended Action** No action is required.

**Message** IPS-3-IPS\_INGRESS\_PERR: Parity error on dma-bridge ingress. Count: [dec]

**Explanation** Parity error occurred in dma-bridge ingress direction.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IPS-3-ISLB\_CFS\_CLEAR\_FAILED: [chars]

**Explanation** An error occurred while clearing the CFS lock. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IPS-3-ISLB\_CFS\_COMMIT\_FAILED: [chars]; [chars]

**Explanation** An error occurred while committing the cfs config data. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IPS-3-ISLB\_CFS\_CONFIG\_FAILED: [chars]; [chars]

**Explanation** An error occurred while distributing the CFS config data. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IPS-3-ISLB\_CFS\_LOCK\_FAILED: [chars]

**Explanation** An error occurred while acquiring the CFS lock. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IPS-3-ISLB\_CFS\_MERGE\_ACTIVATION\_FAILED: [chars]; [chars]

**Explanation** An error occurred while activating merged configuration. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IPS-3-ISLB\_CFS\_MERGE\_CLEARED: [chars]

**Explanation** Merge cleared, reason: [chars]

**Recommended Action** No action is required.

**Message** IPS-3-ISLB\_CFS\_MERGE\_COMMIT\_FAILED: [chars]; [chars]

**Explanation** An error occurred while committing the cfs merge config data. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IPS-3-ISLB\_CFS\_MERGE\_CONFIG\_FAILED: [chars]; [chars]

**Explanation** An error occurred while distributing the CFS merge config data. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IPS-3-ISLB\_CFS\_MERGE\_FAILED: [chars]; [chars]

**Explanation** An error occurred while merging the iSLB CFS fabrics. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IPS-3-ISLB\_CFS\_MERGE\_PRECOMMIT\_FAILED: [chars]; [chars]

**Explanation** An error occurred while pre committing merge data. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IPS-3-ISLB\_CFS\_MERGE\_REQ\_REJECTED: [chars]

**Explanation** Merge requested rejected, reason: [chars]

**Recommended Action** No action is required.

**Message** IPS-3-ISLB\_CFS\_MERGING\_CONFIG\_DB\_FAILED: [chars]; [chars]

**Explanation** An error occurred while merging the config data. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IPS-3-ISLB\_CFS\_PRECOMMIT\_FAILED: [chars]; [chars]

**Explanation** An error occurred while pre committing data. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IPS-3-ISLB\_CFS\_PWWN\_RESV\_CLAIM\_FAILED: [chars]

**Explanation** PWWN reservation claim failed. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IPS-3-ISLB\_CFS\_PWWN\_RESV\_RELEASE\_FAILED: [chars]

**Explanation** PWWN reservation release failed. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IPS-3-ISLB\_CFS\_UNLOCK\_FAILED: [chars]

**Explanation** An error occurred while releasing the CFS lock. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IPS-3-ISLB\_CFS\_VRRP\_DIST\_FAILED: [chars]

**Explanation** An error occurred while distributing the VRRP CFS runtime data. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IPS-3-ISLB\_ZONE\_ACTIVATION\_FAILED: iSLB zoneset activation returned [hex] for VSAN [dec]

**Explanation** ISLB zoneset activation failed.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IPS-3-ISLB\_ZONE\_ACTIVATION\_RETRY: iSLB zoneset activation returned [hex] for VSAN [dec]

**Explanation** ISLB zoneset activation failed. Zone server busy.

**Recommended Action** Retry the iSLB zoneset activation.

**Message** IPS-3-ISLB\_ZONE\_NO\_ACTIVE\_ZONESET: iSLB zoneset activation returned [hex] for VSAN [dec]

**Explanation** ISLB zoneset activation failed. No active zoneset.

**Recommended Action** Activate a zoneset in the specified VSAN and retry

**Message** IPS-3-RED\_PACKET\_DROPS: Congestion detected on Gigabit Ethernet port (buffer pool size: [dec])

**Explanation** Congestion detected on Gigabit Ethernet port due to RED threshold limit

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## IPS-4

**Message** IPS-4-FCIP\_FTA\_CFG\_MISMATCH: [chars]: Mismatch in FCIP Ficon Tape Acceleration configuration with peer

**Explanation** The FCIP Ficon Tape Acceleration configuration does not match with peers configuration'

**Recommended Action** Fix the FCIP Ficon Tape Acceleration configuration to be consistent with the peer

**Message** IPS-4-FCIP\_FTA\_VSAN\_UPDATE\_WARNING: FCIP FICON tape acceleration VSAN update had an error ([chars]) on interface [chars] causing a flap of the interface

**Explanation** The FCIP FICON tape acceleration VSAN configuration experienced an error when disabling and enabling the VSAN over the FCIP tunnel. The FCIP tunnel was disabled and re-enabled as a result of this error to ensure data integrity.

**Recommended Action** No action is required.

**Message** IPS-4-FCIP\_LICENSE\_BIND\_FAILED: Bind failed for [chars] due to [chars] for license failure; configuration accepted but bind failed

**Explanation** The FCIP configuration was accepted, but the FCIP interface did not bind to a physical interface because the appropriate license was not available. If a license becomes available in the future, this FCIP interface will bind to a physical interface automatically.

**Recommended Action** Check the license state with “show license usage” and acquire the necessary FCIP license

**Message** IPS-4-FCIP\_XRCE\_LICENSE\_FAILED: XRC Acceleration deactivated due to license failure

**Explanation** The XRC Acceleration configuration was accepted, but will remain inactive until a valid license is available. When the appropriate license is installed, XRC acceleration will be activated.

**Recommended Action** Check the license state with “show license usage” and acquire the necessary XRC\_ACCL license

**Message** IPS-4-FCIP\_XRCE\_LICENSE\_INSTALLED: XRC Acceleration activated due to valid license

**Explanation** The XRC Acceleration configuration is activated as a valid license has been installed.

**Recommended Action** No action is required.

## IPS-5

**Message** IPS-5-FCIP\_BIND\_FAILED: Bind failed for [chars] due to [chars] for [chars]

**Explanation** FCIP/ISCSI Interface bind to Ethernet port failed

**Recommended Action** No action is required.

**Message** IPS-5-FCIP\_BPORT\_KEEPAIVES\_NOT\_SUPPORTED: Bport Keepalives not supported for FCIP [chars]

**Explanation** Bport Keepalives not supported in this release

**Recommended Action** Informational no action required

**Message** IPS-5-FCIP\_BPORT\_NOT\_SUPPORTED: Bport not supported for FCIP [chars]

**Explanation** Bport not supported in this release

**Recommended Action** Informational no action required

**Message** IPS-5-FCIP\_FTA\_ALREADY\_OFF: FTA Already Off, [chars] VSAN: [dec]

**Explanation** FTA Already Off

**Recommended Action** Informational no action required

**Message** IPS-5-FCIP\_FTA\_ALREADY\_ON: FTA Already ON, [chars] VSAN: [dec]

**Explanation** FTA Already ON

**Recommended Action** Informational no action required

**Message** IPS-5-FCIP\_FTA\_CB\_DOWN: FTA [chars] is DOWN

**Explanation** FTA is DOWN

**Recommended Action** Informational no action required

**Message** IPS-5-FCIP\_FTA\_CB\_UP: FTA [chars], is UP

**Explanation** FTA is UP

**Recommended Action** Informational no action required

**Message** IPS-5-FCIP\_FTA\_DISBAND\_GRP\_CMD: Disband Group message processed PGID: [chars] CH FCID: [hex] CHI: [hex] CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec]

**Explanation** FCIP Disbanded a Group

**Recommended Action** Informational no action required

**Message** IPS-5-FCIP\_FTA\_EST\_GRP\_CMD: Path Group established for PGID: [chars] CH FCID: [hex] CHI: [hex] CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec]

**Explanation** FCIP established a Path Group

**Recommended Action** Informational no action required

**Message** IPS-5-FCIP\_FTA\_NPORT\_PATH\_RSCN\_CLNUP\_PASS1: RSCN Cleanup Pass1 [chars] FCID1: [hex] FCID2: [hex] VSAN: [dec]

**Explanation** Doing RSCN Cleanup, Pass 1

**Recommended Action** Informational no action required

**Message** IPS-5-FCIP\_FTA\_NPORT\_PATH\_RSCN\_CLNUP\_PASS2: RSCN Cleanup Pass2 [chars]  
FCID1: [hex] FCID2: [hex] VSAN: [dec]

**Explanation** Doing RSCN Cleanup, Pass 2

**Recommended Action** Informational no action required

**Message** IPS-5-FCIP\_FTA\_RESIGN\_GRP\_CMD: Resign group processed for PGID: [chars] CH  
FCID: [hex] CHI: [hex] CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec]

**Explanation** FCIP Resigned a Group

**Recommended Action** Informational no action required

**Message** IPS-5-FCIP\_FTA\_RESP\_3490: 3490 device discovered by FCIP CH FCID: [hex]  
CHI: [hex] device at CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec]

**Explanation** Device type discovered is 3490

**Recommended Action** Informational no action required

**Message** IPS-5-FCIP\_FTA\_RESP\_3590: 3590 device discovered by FCIP CH FCID: [hex]  
CHI: [hex] CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec]

**Explanation** Device type discovered is 3590

**Recommended Action** Informational no action required

**Message** IPS-5-FCIP\_FTA\_RESP\_NOT\_TAPE: Non-tape device discovered by FCIP CH FCID:  
[hex] CHI: [hex] device at CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec]

**Explanation** FCIP discovered a non-tape device

**Recommended Action** Informational no action required

**Message** IPS-5-FCIP\_FTA\_TURN\_OFF\_LAST\_VSAN: FTA turned off for the Last VSAN,  
[chars] VSAN: [dec]

**Explanation** FTA turned off for the Last Vsan

**Recommended Action** Informational no action required

**Message** IPS-5-FCIP\_FTA\_TURN\_OFF\_NONLAST\_VSAN: FTA turned off for the Non-Last  
VSAN, [chars] VSAN: [dec]

**Explanation** FTA turned off for the Non-Last Vsan

**Recommended Action** Informational no action required



**Message** IPS-5-FCIP\_FTA\_TURN\_ON: Turn ON FTA, [chars] VSAN: [dec]

**Explanation** FTA turned ON

**Recommended Action** Informational no action required

**Message** IPS-5-FCIP\_FTA\_WARNING: FTA Warning: [chars]

**Explanation** Generic FTA Warning

**Recommended Action** Informational no action required

**Message** IPS-5-FCIP\_FTRA\_CFG\_MISMATCH: [chars]: Mismatch in FCIP FICON Tape Read Accelerator configuration with peer

**Explanation** The FCIP FICON Tape Read Accelerator configuration does not match with peers configuration'

**Recommended Action** Fix the FCIP FICON Tape Read Accelerator configuration to be consistent with the peer

**Message** IPS-5-FCIP\_IF\_CR\_DEL: Interface [chars] [chars]

**Explanation** FCIP Interface was Created or Deleted

**Recommended Action** No action is required.

**Message** IPS-5-FCIP\_MODE1\_CHANGED\_TO\_MODE2: Changing mode1 compression to mode2 for [chars], on a MSM/SSN-16 linecard

**Explanation** Change mode1 compression to mode2 on a MSM/SSN-16 linecard

**Recommended Action** Informational no action required

**Message** IPS-5-FCIP\_NUM\_TCP\_CONNS\_MISMATCH: [chars]: configured for 2 tcp connections but currently operating with 1 connection

**Explanation** Number of configured tcp connections dont match number of connections on current lyup

**Recommended Action** No action is required.

**Message** IPS-5-FCIP\_PEER\_CAVIUM: Peer FCIP [chars] is a MSM/SSN-16 linecard

**Explanation** Peer linecard is a MSM/SSN-16

**Recommended Action** Informational no action required

**Message** IPS-5-FCIP\_PEER\_NON\_CAVIUM: Peer FCIP [chars] is a non MSM/SSN-16 linecard

**Explanation** Peer linecard is non MSM/SSN-16

**Recommended Action** Informational no action required

**Message** IPS-5-FCIP\_RA\_CFG\_MISMATCH: [chars]: Mismatch in FCIP Tape Read Acceleration capability with peer

**Explanation** The FCIP Tape Read Acceleration capability does not match with peers configuration.

**Recommended Action** Fix the FCIP Tape Read Acceleration capability to be consistent with the peer.

**Message** IPS-5-FCIP\_SF\_NOT\_SUPPORTED: Special-Frame not supported for FCIP [chars]

**Explanation** Special-Frame not supported in this release.

**Recommended Action** Informational no action required.

**Message** IPS-5-FCIP\_TA\_CFG\_MISMATCH: [chars]: Mismatch in FCIP Tape Acceleration configuration with peer

**Explanation** The FCIP Tape Acceleration configuration does not match with peers configuration.

**Recommended Action** Fix the FCIP Tape Acceleration configuration to be consistent with the peer.

**Message** IPS-5-FCIP\_TA\_ITL\_MISMATCH: [chars]: Mismatch in FCIP Write/Tape Acceleration software capability with peer

**Explanation** The FCIP Write/Tape Acceleration software capability does not match with peers software capability'

**Recommended Action** Fix the FCIP software to be consistent with the peer

**Message** IPS-5-FCIP\_TSTAMP\_CHK\_FAILED: [chars]: Timestamp check failed on ingressing frames

**Explanation** Timestamp between local and remote side exceeds the configured tolerance

**Recommended Action** No action is required.

**Message** IPS-5-FCIP\_UNBIND\_FAILED: UNBIND failed for [chars] due to [chars] for [chars]

**Explanation** FCIP/ISCSI Interface UNBIND from Ethernet port failed

**Recommended Action** No action is required.

**Message** IPS-5-FCIP\_WA\_CFG\_MISMATCH: [chars]: Mismatch in FCIP Write Acceleration configuration with peer

**Explanation** The FCIP Write Acceleration configuration does not match with peers configuration.

**Recommended Action** Fix the FCIP Write Acceleration configuration to be consistent with the peer.

**Message** IPS-5-FCIP\_WA\_XFER\_RDY\_ERR: [chars]: FCIP Write Acceleration received XFER-RDY after exchange cleanup. Host [hex] Target [hex]

**Explanation** FCIP Write/Tape Acceleration received XFER-RDY after exchange cleanup.

**Recommended Action** No action is required.

**Message** IPS-5-FCIP\_XRCE\_CFG\_MISMATCH: [chars]: Mismatch in FCIP XRC Emulator configuration with peer

**Explanation** The FCIP XRC Emulator configuration does not match with peers configuration.

**Recommended Action** Fix the FCIP XRC Emulator configuration to be consistent with the peer.

**Message** IPS-5-IPS\_IPACL\_LOG\_MSG: [chars]

**Explanation** Details of the packet dropped due to ACLs

**Recommended Action** No action is required.

**Message** IPS-5-IPS\_MGR\_FEATURE\_ENABLE: ips:[dec] iscsi:[dec] fcip:[dec] iscsi-intf-vsan:[dec] ips-lc:[dec]

**Explanation** IPS Manager feature enabled/disabled

**Recommended Action** No action is required.

**Message** IPS-5-IPS\_TCP\_PORT\_IN\_USE: Cannot bringup interface [chars], local port already in use

**Explanation** FCIP and iSCSI interface are trying to use the same local port, please use different ports.

**Recommended Action** No action is required.

**Message** IPS-5-ISCSI\_BAD\_DATA\_DIGEST\_CRC: iSCSI ingress data digest error from initiator [chars] alias [chars] S\_ID [hex] to D\_ID [hex]

**Explanation** iSCSI Ingress Data Digest CRC failed.

**Recommended Action** No action is required.

**Message** IPS-5-ISCSI\_CONN\_DOWN\_BATCH: [chars]: [dec] iSCSI sessions failed in last [chars], reason: [chars]

**Explanation** Number of SCSI session down during the last time interval.

**Recommended Action** No action is required.

**Message** IPS-5-ISCSI\_CONN\_DOWN: [chars]: iSCSI session down from initiator [chars] alias [chars] ip [chars] to target [chars], reason: [chars]

**Explanation** iSCSI session goes down.

**Recommended Action** No action is required.

**Message** IPS-5-ISCSI\_CONN\_UP: [chars]: iSCSI session up from initiator [chars] alias [chars] ip [chars] to target [chars]

**Explanation** iSCSI session comes up and reaches Full-Feature phase

**Recommended Action** No action is required.

**Message** IPS-5-ISCSI\_PORT\_FAILOVER: [chars]: iSCSI initiator [chars] alias [chars] ip [chars] target [chars]. FC session failed over to port [chars]

**Explanation** FC session for the iSCSI session failed over to newly active port

**Recommended Action** No action is required.

**Message** IPS-5-ISCSI\_SB\_GET\_TGT: iSCSI SB get [dec] targets, initiator [chars] alias [chars] ip [chars]

**Explanation** iSCSI FCNS query response.

**Recommended Action** No action is required.

**Message** IPS-5-ISCSI\_SESSION\_CREATE\_FAILURE: [chars]: iSCSI Session initiator [chars] target [chars] create failed. [chars]

**Explanation** iSCSI Session Create failed.

**Recommended Action** No action is required.

**Message** IPS-5-ISCSI\_SESSION\_CREATE\_REDIRECT: [chars]: iSCSI Session initiator [chars] target [chars] redirected to [chars]/[chars]

**Explanation** iSCSI Session Create redirected.

**Recommended Action** No action is required.

**Message** IPS-5-ISCSI\_SESSION\_REDIRECT\_TIMEOUT: iSCSI Session initiator [chars] to [chars] redirected to [chars] timeout

**Explanation** iSCSI Session Redirect timeout.

**Recommended Action** No action is required.

**Message** IPS-5-ISLB\_CFS\_SESSION\_CLEARED: CFS Session Cleared

**Explanation** CFS Session Cleared by user.

**Recommended Action** No action is required.

**Message** IPS-5-LRTP\_HDR\_FCID\_MISMATCH: LRTP header s\_id([hex]) d\_id([hex]) do not match Inner header s\_id([hex]) d\_id([hex]) Initiator ([chars]) Target([chars])

**Explanation** The s\_id and / or the d\_id field in the frames LRTP header does not match the s\_id or d\_id field in the inner header.

**Recommended Action** No action is required.

**Message** IPS-5-PORT\_IPCFG\_FAILED: Cannot configure IP address for interface [chars]

**Explanation** Cannot configure IPS port IP address.

**Recommended Action** No action is required.

**Message** IPS-5-SB\_MGR\_CORE\_FAILED: Ethernet Processing core [chars] failed due to [chars]

**Explanation** Ethernet Processing Core failed.

**Recommended Action** No action is required.

**Message** IPS-5-SFRAME\_ENTITY\_ID\_MISMATCH: [chars]: special frame profile ID mismatch

**Explanation** Special frame received and destination profile ID does not match local profile ID

**Recommended Action** No action is required.

**Message** IPS-5-SFRAME\_FABRIC\_WWN\_MISMATCH: [chars]: special frame fabric wwn mismatch

**Explanation** Special frame received and source/destination fabric wwn does not match local destination/ source fabric wwn

**Recommended Action** No action is required.

**Message** IPS-5-SFRAME\_IF\_ADMIN\_DOWN: [chars]: special frame received if down

**Explanation** Special frame received and interface is admin down

**Recommended Action** No action is required.

**Message** IPS-5-SFRAME\_IF\_NOT\_ENABLED: [chars]: special frame not enabled

**Explanation** Special frame received and interface special frame configuration is disabled

**Recommended Action** No action is required.

**Message** IPS-5-SFRAME\_INVALID\_NONCE: [chars]: special frame response has invalid nonce for FCIP

**Explanation** Special frame response has a different nonce than was originally sent in the special frame

**Recommended Action** No action is required.

**Message** IPS-5-SFRAME\_NOT\_RECV: [chars]: special frame was not received by passive-side FCIP

**Explanation** Special frame was not received by the passive-side of the FCIP TCP tunnel within given time period

**Recommended Action** No action is required.

**Message** IPS-5-SFRAME\_RESP\_MISMATCH: [chars]: special frame response has byte mismatch for FCIP

**Explanation** Special frame response has a mismatch in one of the bytes from what was sent from the FCIP special frame sender

**Recommended Action** No action is required.

**Message** IPS-5-SFRAME\_RESP\_NOT\_RECV: [chars]: special frame response was not received by active-side FCIP

**Explanation** Special frame response was not received by the active-side of the FCIP TCP tunnel within given time period

**Recommended Action** No action is required.

## IPS-6

**Message** IPS-6-FCIP\_FTA\_READ\_ACCEL\_STARTED: Read Acceleration started for CH FCID: [hex] CHI: [hex] CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec]

**Explanation** FCIP-FTA Read Acceleration started

**Recommended Action** Informational no action required

**Message** IPS-6-FCIP\_FTA\_READ\_ACCEL\_STOPPED: Read Acceleration stopped for CH FCID: [hex] CHI: [hex] CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec] due to [chars] after [dec] MB reads

**Explanation** FCIP-FTA Read Acceleration stopped

**Recommended Action** Informational no action required

**Message** IPS-6-FCIP\_FTA\_WRITE\_ACCEL\_STARTED: Write Acceleration started for CH FCID: [hex] CHI: [hex] CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec]

**Explanation** FCIP-FTA Write Acceleration started

**Recommended Action** Informational no action required

**Message** IPS-6-FCIP\_FTA\_WRITE\_ACCEL\_STOPPED: Write Acceleration stopped for CH FCID: [hex] CHI: [hex] CU FCID [hex] CUI: [hex] DA [hex] VSAN: [dec] due to [chars] after [dec] MB writes

**Explanation** FCIP-FTA Write Acceleration stopped

**Recommended Action** Informational no action required

## IPS-7

**Message** IPS-7-ISCSI\_FCNS\_QUERY\_REQ: return [hex], wait [dec], VSAN [dec], Init: [chars]

**Explanation** ISCSI FCNS query

**Recommended Action** No action is required.

**Message** IPS-7-ISCSI\_FCNS\_QUERY\_RESP: result [hex], [dec] targets, wait [dec], Init: [chars]

**Explanation** ISCSI FCNS query response

**Recommended Action** No action is required.

**Message** IPS-7-ISCSI\_NEW\_FCNS\_QUERY\_REQ: return [hex], VSANs [chars], Init: [chars]

**Explanation** ISCSI FCNS query

**Recommended Action** No action is required.

**Message** IPS-7-ISCSI\_NEW\_FCNS\_QUERY\_RESP: result [hex], [dec] entries, [dec] targets, [dec] total targets Init: [chars]

**Explanation** ISCSI FCNS query response

**Recommended Action** No action is required.

**Message** IPS-7-ISNS\_SVR\_ERR\_RESPONSE: iSNS server returned following error code on iSNS request for interface [chars]: [dec]

**Explanation** iSNS server returned an error for register/deregister request. For select error codes iSNS client would retry and re-register all target nodes corresponding to the interface

**Recommended Action** No action is required.

## IPV6 Messages

This section contains the IPV6 messages.

### IPV6-2

**Message** IPV6-2-ALLOC\_MEMORY: Memory allocation failed

**Explanation** The IP Configuration Manager failed to allocate a block of dynamic memory.

**Recommended Action** No action is required.

### IPV6-3

**Message** IPV6-3-FILE\_WRITE\_FAILED: Writing to file [chars] failed - error: [chars]

**Explanation** Writing to a file failed probably due to no space.

**Recommended Action** Ipv6



**Message** IPV6-3-INIT\_FAILED: Initialization failed. Component [chars]

**Explanation** The service failed to start. The failure occurred while initializing the component [chars].

**Recommended Action** Show processes to check the status of the other processes, debug the specified component.

## IPV6-4

**Message** IPV6-4-DAD\_FAILED\_EVENT: Duplicate address detection failed for [chars] on [chars]

**Explanation** Duplicate address detection for IP address failed.

**Recommended Action** Ipv6

## IPV6-6

**Message** IPV6-6-CONFIG\_EVENT: IP Configuration Msg: [chars]

**Explanation** Configuration message that needs to be logged.

**Recommended Action** No action is required.

**Message** IPV6-6-INTERFACE\_DELETED: The interface [chars] has been deleted

**Explanation** The specified interface has been deleted. The service will delete all the configuration on that interface.

**Recommended Action** No action is required.

**Message** IPV6-6-INTERFACE\_EVENT: IP address [chars] [chars] on interface [chars]

**Explanation** The IP address [chars] has been successfully [chars] on the interface [chars].

**Recommended Action** No action is required.

**Message** IPV6-6-ROUTE\_NOT\_ACTIVE: The [chars] is not active

**Explanation** The specified route is successfully configured but currently is not active.

**Recommended Action** Check that the route is correct and the outgoing interface is operationally up.

**Message** IPV6-6-STARTING: IP configuration Manager started

**Explanation** The IP Configuration Manager service has successfully started.

**Recommended Action** No action is required.

## IP Messages

This section contains the IP messages.

### IP-1

**Message** IP-1-DHCP\_CLIENT\_FAILED: dhcp-client failed to get the ip address

**Explanation** Dhcp-client failed to get the ip from server, probably due to server lease unavailability or cable dis-connectivity.

**Recommended Action** Ip

### IP-2

**Message** IP-2-ALLOC\_MEMORY: Memory allocation failed

**Explanation** The IP Configuration Manager failed to allocate a block of dynamic memory.

**Recommended Action** No action is required.

### IP-3

**Message** IP-3-FILE\_WRITE\_FAILED: Writing to file [chars] failed - error: [chars]

**Explanation** Writing to a file failed probably due to no space.

**Recommended Action** Ip

**Message** IP-3-INIT\_FAILED: Initialization failed. Component [chars]

**Explanation** The service failed to start. The failure occurred while initializing the component [chars].

**Recommended Action** Show processes to check the status of the other processes, debug the specified component.

## IP-4

**Message** IP-4-DAD\_FAILED\_EVENT: Duplicate address detected for [chars] on [chars]

**Explanation** Duplicate address detected for IP address.

**Recommended Action** Ip

## IP-6

**Message** IP-6-CONFIG\_EVENT: IP Configuration Msg: [chars]

**Explanation** Configuration message that needs to be logged.

**Recommended Action** No action is required.

**Message** IP-6-DHCP\_CLIENT\_SUCCESS: dhcp\_client got ip address:[chars], netmask:[chars] for mgmt interface, got from server:[chars]

**Explanation** DHCP-client is able to get the ip address from server,

**Recommended Action** No action is required.

**Message** IP-6-INTERFACE\_DELETED: The interface [chars] has been deleted

**Explanation** The specified interface has been deleted. The service will delete all the configuration on that interface.

**Recommended Action** No action is required.

**Message** IP-6-INTERFACE\_EVENT: IP address [chars] [chars] on interface [chars]

**Explanation** The IP address [chars] has been successfully [chars] on the interface [chars].

**Recommended Action** No action is required.

**Message** IP-6-ROUTE\_NOT\_ACTIVE: The [chars] is not active

**Explanation** The specified route is successfully configured but currently is not active.

**Recommended Action** Check that the route is correct and the outgoing interface is operationally up.

**Message** IP-6-STARTING: IP configuration Manager started

**Explanation** The IP Configuration Manager service has successfully started.

**Recommended Action** No action is required.

## ISAPI Messages

This section contains the ISAPI messages.

### ISAPI-SLOT#-0

**Message** ISAPI-SLOT#-0-INVISTA\_EMERG: [chars]

**Explanation** The Internet Server Application Programming Interface (ISAPI) caused a system failure. The name of the application is INVISTA.

**Recommended Action** Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

**Message** ISAPI-SLOT#-0-MSM\_EMERG: [chars]

**Explanation** The Internet Server Application Programming Interface (ISAPI) caused a system failure. The card type is MSM.

**Recommended Action** Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

**Message** ISAPI-SLOT#-0-NSP\_EMERG: [chars]

**Explanation** The Internet Server Application Programming Interface (ISAPI) caused a system failure. The name of the application is NSP.

**Recommended Action** Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

**Message** ISAPI-SLOT#-0-SSM\_EMERG: [chars]

**Explanation** The Internet Server Application Programming Interface (ISAPI) caused a system failure. The card type is SSM.

**Recommended Action** Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

**Message** ISAPI-SLOT#-0-SSN\_EMERG: [chars]

**Explanation** The Internet Server Application Programming Interface (ISAPI) caused a system failure. The card type is SSN.

**Recommended Action** Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

## ISAPI-SLOT#-1

**Message** ISAPI-SLOT#-1-INVISTA\_ALERT: [chars]

**Explanation** The Internet Server Application Programming Interface (ISAPI) caused failures in dependent services. The name of the application is INVISTA.

**Recommended Action** Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

**Message** ISAPI-SLOT#-1-MSM\_ALERT: [chars]

**Explanation** The Internet Server Application Programming Interface (ISAPI) caused failures in dependent services. The card type is MSM.

**Recommended Action** Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

**Message** ISAPI-SLOT#-1-NSP\_ALERT: [chars]

**Explanation** The Internet Server Application Programming Interface (ISAPI) caused failures in dependent services. The name of the application is NSP.

**Recommended Action** Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

**Message** ISAPI-SLOT#-1-SSM\_ALERT: [chars]

**Explanation** The Internet Server Application Programming Interface (ISAPI) caused failures in dependent services. The card type is SSM.

**Recommended Action** Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

**Message** ISAPI-SLOT#-1-SSN\_ALERT: [chars]

**Explanation** The Internet Server Application Programming Interface (ISAPI) caused failures in dependent services. The card type is SSN.

**Recommended Action** Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

## ISAPI-SLOT#-2

**Message** ISAPI-SLOT#-2-INVISTA\_CRIT: [chars]

**Explanation** The Internet Server Application Programming Interface (ISAPI) has encountered a catastrophic error. The name of the application is INVISTA.

**Recommended Action** Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

**Message** ISAPI-SLOT#-2-MSM\_CRIT: [chars]

**Explanation** The Internet Server Application Programming Interface (ISAPI) has encountered a catastrophic error. The card type is MSM.

**Recommended Action** Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

**Message** ISAPI-SLOT#-2-NSP\_CRIT: [chars]

**Explanation** The Internet Server Application Programming Interface (ISAPI) has encountered a catastrophic error. The name of the application is NSP.

**Recommended Action** Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

**Message** ISAPI-SLOT#-2-SSM\_CRIT: [chars]

**Explanation** The Internet Server Application Programming Interface (ISAPI) has encountered a catastrophic error. The card type is SSM.

**Recommended Action** Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

**Message** ISAPI-SLOT#-2-SSN\_CRIT: [chars]

**Explanation** The Internet Server Application Programming Interface (ISAPI) has encountered a catastrophic error. The card type is SSN.

**Recommended Action** Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

## ISAPI-SLOT#-3

**Message** ISAPI-SLOT#-3-INVISTA\_ERROR: [chars]

**Explanation** The Internet Server Application Programming Interface (ISAPI) has encountered an error. The name of the application is INVISTA.

**Recommended Action** Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

**Message** ISAPI-SLOT#-3-MSM\_ERROR: [chars]

**Explanation** The Internet Server Application Programming Interface (ISAPI) has encountered an error. The card type is MSM.

**Recommended Action** Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

**Message** ISAPI-SLOT#-3-NSP\_ERROR: [chars]

**Explanation** The Internet Server Application Programming Interface (ISAPI) has encountered an error. The name of the application is NSP.

**Recommended Action** Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

**Message** ISAPI-SLOT#-3-SSM\_ERROR: [chars]

**Explanation** The Internet Server Application Programming Interface (ISAPI) has encountered an error. The card type is SSM.

**Recommended Action** Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

**Message** ISAPI-SLOT#-3-SSN\_ERROR: [chars]

**Explanation** The Internet Server Application Programming Interface (ISAPI) has encountered an error. The card type is SSN.

**Recommended Action** Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract, please call Cisco TAC for support.

## ISAPI-SLOT#-4

**Message** ISAPI-SLOT#-4-INVISTA\_WARN: [chars]

**Explanation** This is an Internet Server Application Programming Interface (ISAPI) warning message from the application INVISTA.

**Recommended Action** No action is required.

**Message** ISAPI-SLOT#-4-MSM\_WARN: [chars]

**Explanation** This is an Internet Server Application Programming Interface (ISAPI) warning message. The card type is MSM.

**Recommended Action** No action is required.

**Message** ISAPI-SLOT#-4-NSP\_WARN: [chars]

**Explanation** This is an Internet Server Application Programming Interface (ISAPI) warning message. The name of the application is NSP.

**Recommended Action** No action is required.

**Message** ISAPI-SLOT#-4-SSM\_WARN: [chars]

**Explanation** This is an Internet Server Application Programming Interface (ISAPI) warning message. The card type is SSM.

**Recommended Action** No action is required.

**Message** ISAPI-SLOT#-4-SSN\_WARN: [chars]

**Explanation** This is an Internet Server Application Programming Interface (ISAPI) warning message. The card type is SSN.

**Recommended Action** No action is required.

## ISAPI-SLOT#-5

**Message** ISAPI-SLOT#-5-INVISTA\_NOTICE: [chars]

**Explanation** This is an Internet Server Application Programming Interface (ISAPI) notification. The name of the application is INVISTA.

**Recommended Action** No action is required.



**Message** ISAPI-SLOT#-5-MSM\_NOTICE: [chars]

**Explanation** This is an Internet Server Application Programming Interface (ISAPI) notification. The card type is MSM.

**Recommended Action** No action is required.

**Message** ISAPI-SLOT#-5-NSP\_NOTICE: [chars]

**Explanation** This is an Internet Server Application Programming Interface (ISAPI) notification. The name of the application is NSP.

**Recommended Action** No action is required.

**Message** ISAPI-SLOT#-5-SSM\_NOTICE: [chars]

**Explanation** This is an Internet Server Application Programming Interface (ISAPI) notification. The card type is SSM.

**Recommended Action** No action is required.

**Message** ISAPI-SLOT#-5-SSN\_NOTICE: [chars]

**Explanation** This is an Internet Server Application Programming Interface (ISAPI) notification. The card type is SSN.

**Recommended Action** No action is required.

## ISAPI-SLOT#-6

**Message** ISAPI-SLOT#-6-INVISTA\_INFO: [chars]

**Explanation** This is a message that indicates that an Internet Server Application Programming Interface (ISAPI) event has occurred. The name of the application is INVISTA.

**Recommended Action** No action is required.

**Message** ISAPI-SLOT#-6-MSM\_INFO: [chars]

**Explanation** This message indicates that an Internet Server Application Programming Interface (ISAPI) event has occurred. The card type is MSM.

**Recommended Action** No action is required.

**Message** ISAPI-SLOT#-6-NSP\_INFO: [chars]

**Explanation** This is a message that indicates that an Internet Server Application Programming Interface (ISAPI) event has occurred. The name of the application is NSP.

**Recommended Action** No action is required.

**Message** ISAPI-SLOT#-6-SSM\_INFO: [chars]

**Explanation** This message indicates that an Internet Server Application Programming Interface (ISAPI) event has occurred. The card type is SSM.

**Recommended Action** No action is required.

**Message** ISAPI-SLOT#-6-SSN\_INFO: [chars]

**Explanation** This message indicates that an Internet Server Application Programming Interface (ISAPI) event has occurred. The card type is SSN.

**Recommended Action** No action is required.

## ISAPI-SLOT#-7

**Message** ISAPI-SLOT#-7-INVISTA\_DEBUG: [chars]

**Explanation** This message provides debug information for the conditions that occurred in the Internet Server Application Programming Interface (ISAPI) . The name of the application is INVISTA.

**Recommended Action** No action is required.

**Message** ISAPI-SLOT#-7-MSM\_DEBUG: [chars]

**Explanation** This message provides debug information for the conditions that occurred in the Internet Server Application Programming Interface (ISAPI). The card type is MSM.

**Recommended Action** No action is required.

**Message** ISAPI-SLOT#-7-NSP\_DEBUG: [chars]

**Explanation** This message provides debug information for the conditions that occurred in the Internet Server Application Programming Interface (ISAPI), specifically in the application: NSP.

**Recommended Action** No action is required.

**Message** ISAPI-SLOT#-7-SSM\_DEBUG: [chars]

**Explanation** This message provides debug information for the conditions that occurred in the Internet Server Application Programming Interface (ISAPI). The card type is SSM.

**Recommended Action** No action is required.

**Message** ISAPI-SLOT#-7-SSN\_DEBUG: [chars]

**Explanation** This message provides debug information for the conditions that occurred in the Internet Server Application Programming Interface (ISAPI). The card type is SSN.

**Recommended Action** No action is required.

## ISCM Messages

### ISCM-2

**Message** ISCM-2-APBR\_CORRUPT: RISE APBR: in Corrupt State, RS IP: [chars], port: [dec], Proto: [dec], nhop IP: [chars], slot ID: [dec], vlan: [dec]. Reason: [chars].

**Explanation** RMAP

**Recommended Action** ACL cannot be completely deleted.

**Message** ISCM-2-ITD\_LICENSE\_EXPIRED: ITD License: license grace-period expired. Please install ENHANCED\_LAYER2\_PKG.

**Explanation** License or grace-period has expired.

**Recommended Action** Take steps to renew license. Feature will be disabled.

**Message** ISCM-2-ITD\_LICENSE\_MISSING: Feature ITD license missing: ENHANCED\_LAYER2\_PKG

**Explanation** License does not exist when attempting to enable ITD feature.

**Recommended Action** Acquire license or grace-period permission.

**Message** ISCM-2-LICENSE\_EXPIRED: RISE License: LAN\_ENTERPRISE\_SERVICES\_PKG license has expired. RISE feature is being disabled.

**Explanation** License or grace-period has expired.

**Recommended Action** Take steps to renew license. Feature will be disabled.

**Message** ISCM-2-LICENSE\_MISSING: RISE License: LAN\_ENTERPRISE\_SERVICES\_PKG does not exist.

**Explanation** License does not exist when attempting to enable RISE feature.

**Recommended Action** Acquire license or grace-period permission.

## ISCM-3

**Message** ISCM-3-APBR\_ACLMGR\_ERROR: RISE APBR: ACL was not [chars], apbr payload: [chars].

**Explanation** Acl was not created/deleted.

**Recommended Action** Check TCAM resource limit, and the sys admin.

**Message** ISCM-3-APBR\_INGRESS\_INT\_NOT\_FOUND: RISE APBR: cant find the in progress interface for RSIP: [chars].'

**Explanation** 7K cannot find a route to the real server.

**Recommended Action** Check real server network reachability in the current switch.

**Message** ISCM-3-APBR\_PURGE\_ERROR: RISE APBR: Purge failure, slot id: [dec].

**Explanation** PBR entries for RISE cannot be deleted cleanly.

**Recommended Action** Manually delete pbr entries.

**Message** ISCM-3-APBR\_RPM\_ERROR: RISE APBR: RPM returns internal error, rpm resp status: [dec], apbr payload: [chars].

**Explanation** Rmap step was not completed.

**Recommended Action** Check TCAM resource limit, or rmap collision on the same interface, and the sys admin.

**Message** ISCM-3-RHI\_ROUTE\_ISSUE: RISE RHI: slot [dec] route [chars] cannot be [chars]. Reason: [chars].

**Explanation** URIB dropped this RHI request. See reason string with the following possibilities: 1. SVI for data vlan [dec] does not exist. 2. SVI for data vlan [dec] is down. 3. urib issues.

**Recommended Action** Take corrective action per the reason.

## ISCM-4

**Message** ISCM-4-APBR\_MAX\_LIMIT: RISE APBR: Reached max apbr entries [dec] per RISE. slot id: [dec].

**Explanation** PBR entries for RISE cannot be deleted cleanly.

**Recommended Action** Manually delete pbr entries.

**Message** ISCM-4-APBR\_PBR\_DISABLED: RISE APBR: feature PBR Disabled.

**Explanation** APBR will not function correctly without pbr feature.

**Recommended Action** Manually enable pbr feature.

**Message** ISCM-4-DISCOVERY\_CHANNEL\_DOWN: RISE Channel down, slot id: [dec], Reason: [chars]

**Explanation** See reason string in the Message with the following possibilities: 1. Error in bootstrap/health-monitoring response. 2. Timed out while waiting for bootstrap/health-monitoring response. 3. Failed to send bootstrap/health-monitoring message. 4. Control VLAN interface is not operational. 5. RISE interface [chars] is not operational. 6. RISE interface [chars] does not have control VLAN [dec] as trunk member. 7. Control VLAN ([dec]) interface does not have valid IP. 8. RISE port channel po [dec] has no member ports. 9. Failed to send vlan-group. 10. RISE IP [chars] is already assigned to another service, slot id [dec].

**Recommended Action** Take corrective action per the reason

**Message** ISCM-4-ISSU\_PRE\_UPGRADE\_TIMEOUT: RISE ISSU: pre-upgrade timed out, reason: [chars].

**Explanation** See the reason.

**Recommended Action** Try again with the upgrade.

**Message** ISCM-4-ISSU\_UNEXPECTED\_SLOT\_MSG: RISE ISSU: unexpected msg from slot [dec], opcode: [dec].

**Explanation** Application should not send msg during ISSU. iSCM will ignore.

**Recommended Action** No action is required.

**Message** ISCM-4-LICENSE\_EXPIRING: RISE License: LAN\_ENTERPRISE\_SERVICES\_PKG license will expiry in [dec] days [dec] hours [chars] seconds.

**Explanation** License or grace-period expiration warning.

**Recommended Action** Take steps to renew license. Prepare for feature disable.

## ISCM-5

**Message** ISCM-5-TRANSPORT\_ISSUE: RISE Transport: slot [dec] failed to send, reason: [chars].

**Explanation** See the reason.

**Recommended Action** Check the network connectivity and the appliance status.

## ISNS Messages

This section contains the ISNS messages.

### ISNS-2

**Message** ISNS-2-ISNS\_CFS\_OPERATION\_FAILED: iSNS CFS [chars] failed

**Explanation** ISNS CFS operation failed

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** ISNS-2-ISNS\_INIT: iSNS initialization of [chars] [chars]

**Explanation** ISNS initialization failed

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## IVR Messages

This section contains the IVR messages.

### IVR-2

**Message** IVR-2-AUTOLEARN\_ACTION\_FAIL: failure happens during constructing virtual dynamic pfcid table

**Explanation** This can happen if failure happens during building, distributing or committing the virtual dynamic pfcid table

**Recommended Action** Please 1. check the fabric connection or 2. check current virtual user-configured pfcid entries and internally assigned virtual fcid entries for possible conflict

**Message** IVR-2-AUTOLEARN\_FEATURE\_NOT\_SUPPORT: some switches:[chars] dont support autolearn'

**Explanation** This can happen if some switches does not support the virtual pfcid auto learn feature'

**Recommended Action** Please upgrade the unsupported switches

**Message** IVR-2-CFS\_PEER\_LOST\_WITHIN\_SESSION: CFS peer with switch wwn [chars] was lost in the middle of an active CFS session. Abort the CFS session and re-enter the configuration changes

**Explanation** Due to port flaps, link outages, switch restart etc. a CFS peer switch of IVR was lost. The current configuration changes would not be applied to this peer until the peer merges with this switch. The CFS merge may fail if the configuration at the lost peer conflicts with the changes made in this session. Also, IVR auto topology could be out of sync. with this peer. It is recommended that the user abort this CFS session using ivr abort command and then re-enter the configuration changes.

**Recommended Action** No action is required.

**Message** IVR-2-DEVICE\_FCID\_REWRITE\_FAILURE: Failure while programming FCID rewrite entries for pWWN [chars] on incoming VSAN [dec]. Device may not be able to communicate with its peer devices, failure reason code: [hex]

**Explanation** Failed to program FCID rewrite entries probably because the hardware ran out of FCID rewrite entries. This can happen if there are too many devices in Inter-VSAN zone or too many local VSANs in VSAN topology

**Recommended Action** Reduce the number of devices involved in IVR in the active IVR zoneset. Also, reduce the number of redundant transit VSANs, if any

**Message** IVR-2-DEVICE\_STATE\_INCOMPATIBLE\_WITH\_NAT\_MODE: State for device with port WWN [chars] could not be restored because it was incompatible with the current NAT mode([dec]). This probably happened because NAT mode was modified without completely deactivating the active IVR zoneset

**Explanation** This probably happened because NAT mode was modified without completely deactivating the active IVR zoneset

**Recommended Action** The switch needs to be rebooted

**Message** IVR-2-DEVICE\_VSAN\_REWRITE\_FAILURE: Failure while programming VSAN rewrite entries for pWWN [chars] on incoming VSAN [dec]. Device may not be able to communicate with its peer devices

**Explanation** Failed to program VSAN rewrite entries probably because the hardware ran out of VSAN rewrite entries. This can happen if there are too many devices in Inter-VSAN zone or too many local VSANs in VSAN topology

**Recommended Action** Reduce the number of domains involved in IVR by moving the members of active IVR zoneset to fewer switches. Also, reduce the number of redundant transit VSANs, if any

**Message** IVR-2-INTEROP\_MODE\_2\_OR\_3\_BF\_FAILED: [chars] VSAN [dec] Virtual Domain [chars]

**Explanation** Build Fabric (BF) failed in VSAN [dec]. The BF was initiated in order to remove an unused virtual domain [dec] from the fcdomain list in that VSAN. The virtual domain still remains in the fcdomain list and hence it would not be available in that VSAN for assignment.

**Recommended Action** Perform a manual build fabric using fc domains interface if you would like to remove the unused virtual domain (s) from the fc domain list.

**Message** IVR-2-INTEROP\_MODE\_2\_OR\_3\_RDI\_FAILED: VSAN [dec], requested domain [chars], received domain [chars] sWWN [chars]. Return Code [chars]

**Explanation** Request Domain Identifier (RDI) command to allocate virtual domain [dec] failed in VSAN [dec]. Received another domain [chars] instead. IVR-members connected to third-party switch may not participate in IVR communications. It is likely that the domain requested in the RDI command is already in use.

**Recommended Action** Reassign the domains so that the domain requested via RDI does not overlap with any existing domain in that VSAN.

**Message** IVR-2-IVR\_DISABLE\_FAILED: Inter-VSAN Routing disable failed for reason: [chars]

**Explanation** Inter-VSAN Routing disable failed for reason: [chars]. Cleanup might not have completed

**Recommended Action** Deactivate ivr zoneset and disable ivr again. If that fails, then the ivr process would terminate itself in 5 minutes

**Message** IVR-2-IVZS\_ACTIVATION\_FAILED\_RETRYING: Inter-VSAN zoneset activation failed in VSAN [dec]: [chars]. retrying after [dec] seconds

**Explanation** Inter-VSAN zoneset activation failed in VSAN [dec]: [chars]. This could be an intermittent regular zoneset activation error. The activation will be retried in [dec] seconds.

**Recommended Action** No action is required.

**Message** IVR-2-NO\_LICENSE\_SHUTDOWN: Inter-VSAN Routing is shutting down.

**Explanation** License required for continued IVR operation is not available. Hence IVR is shutting down

**Recommended Action** Install appropriate license for IVR services and then enable IVR again.



**Message** IVR-2-NO\_LICENSE\_WARNING: Inter-VSAN Routing would shutdown in [dec] seconds.

**Explanation** License required for continued IVR operation is not available. Unless the required license is installed IVR would shutdown in [dec] seconds. IVR configurations would be lost.

**Recommended Action** Install appropriate license for IVR services to continue to operate uninterrupted within [dec] seconds

**Message** IVR-2-PERSISTENT\_VIRTUAL\_FCID\_CONFLICT\_WITH\_AUTOLEARN: Persistent virtual fcid and dynamic pfcid entries

**Explanation** This can happen if conflict happens during persistent virtual domain, or virtual fcid entry configuration.

**Recommended Action** Please assign a non-conflict persistent virtual domain or fcid entry with current dynamic entries

**Message** IVR-2-PERSISTENT\_VIRTUAL\_FCID\_UNAVAILABLE: to vsan [dec] because the configured persistent virtual domain/fcid could not be assigned

**Explanation** This can happen if the virtual domain/fcid configured by the user is - a) Already in use (either by IVR or a real switch) b) Not allowed due to interop mode or allowed domain list

**Recommended Action** Please make sure that the configured virtual domain/fcid is allowed and available for use

**Message** IVR-2-VIRTUAL\_DOMAIN\_CONFLICT: In VSAN [dec] virtual domain [dec] from native VSAN [dec] conflicts with native VSAN [dec] for the same virtual domain

**Explanation** Currently advertised virtual domain [dec] in VSAN [dec] is native to VSAN [dec]. This switch has learned of a device that is member of active IVR zone and has the same domain ID, but belongs to a different native VSAN. This device would not be advertised in that VSAN until the domain conflict is resolved.

**Recommended Action** No action is required.

**Message** IVR-2-VIRTUAL\_FCID\_UNAVAILABLE: to vsan [dec] because the internally generated FCID conflicts with fcid assigned to WWN [chars]. Please configure fcid for WWN [chars] too

**Explanation** This can happen if the virtual domain/fcid internally configured is already in use by another active device

**Recommended Action** Please assign a different persistent virtual fcid by CLI command

## IVR-3

**Message** IVR-3-AAM\_MODE\_CANNOT\_CHANGE: AAM mode cannot be changed. Might cause the fabric NAT mode inconsistency

**Explanation** Could be caused by ivr NAT is not enable

**Recommended Action** No action is required.

**Message** IVR-3-AAM\_MODE\_DEREGISTERED\_FAILED: Abstract ACL Manager (AAM) mode deregister failed. Error code is [chars].

**Explanation** Abstract ACL Manager (AAM) mode deregister failed

**Recommended Action** No action is required.

**Message** IVR-3-AAM\_MODE\_REGISTERED\_FAILED: Abstract ACL Manager (AAM) register failed. Error code is [chars].

**Explanation** Abstract ACL Manager (AAM) register failed

**Recommended Action** No action is required.

**Message** IVR-3-ACL\_ERROR: ACL API, [chars], failed with error [chars]

**Explanation** IVR invoked ACL API and received the error code. [chars] describes the API and [chars] specifies the error.

**Recommended Action** No action is required.

**Message** IVR-3-ACL\_PERMIT\_ENTRY\_ERROR: ACL permit entry update on interface [chars] failed for reason: [chars]

**Explanation** ACL could not program permit entries for IVR traffic. [chars] describes the interface named and [chars] describes the system Message from ACL. IVR traffic coming from the interface may be dropped.

**Recommended Action** If the problem persists, please contact TAC, or your reseller for support.

**Message** IVR-3-ACL\_PLOGI\_ENTRY\_ERROR: PLOGI capture entry update in slot [dec] failed for reason: [chars]

**Explanation** ACL could not program IVR PLOGI could not be programmed. slot[dec] describes the line card slot number and [chars] describes the system Message. PLOGI and its response may be dropped because ivr process cannot capture those frames.

**Recommended Action** No action is required.

**Message** IVR-3-AFID\_CONFLICT: [chars]

**Explanation** AFID configuration is different at different ivr-enabled switches in the same VSAN. Change AFID configuration (auto mode) or vsan topology configuration (user mode) to make it consistent

**Recommended Action** No action is required.

**Message** IVR-3-CFS\_INVALID\_PAYLOAD\_RECEIVED: Inter-VSAN process received invalid payload from CFS

**Explanation** Inter-VSAN process received invalid payload from CFS.

**Recommended Action** No action is required.

**Message** IVR-3-CLEAR\_FAILED: [chars]

**Explanation** An error occurred while clearing the lock. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IVR-3-COMMIT\_FAILED: [chars]

**Explanation** An error occurred while committing configuration. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IVR-3-COMMIT\_PARTIALLY\_FAILED: [chars]

**Explanation** An error occurred while committing configuration. Configuration could not be committed on some switches. The reason for the failure: [chars]. Configuration can be inconsistent in the fabric.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IVR-3-COMMIT\_REJECTED: [chars]

**Explanation** Commit request received from remote switch is rejected. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IVR-3-DDAS\_LOCK\_TIMER\_EXPIRED: IVR database lock is released, as device-alias commit/abort notification is not received in the expected time frame.

**Explanation** When device-alias sends the validation request, IVR database is locked and a timer is started. For any reason, if device-alias commit/abort notification is not received within the expected time frame, the lock timer gets expired and the lock is released. If device-alias commit notification is received after the lock is released, the changes are not applied and this could cause inconsistency between IVR and device-alias.

**Recommended Action** No action is required.

**Message** IVR-3-DEVICE\_NOT\_PRESENT\_IN\_FB\_DB\_FICON: Device with port WWN [chars] could not be exported to VSANs [chars] because its native switch is not present in the current active fabric binding database of those VSANs.

**Explanation** This happens if ficon is enabled on VSANs [chars] and native switch of device with port WWN [chars] is not present in the current active fabric binding database of those VSANs. This is a requirement for ficon compliance.

**Recommended Action** No action is required.

**Message** IVR-3-DEVICE\_ON\_WRONG\_NATIVE\_AFID\_VSAN: Device with port WWN [chars] (FCID:[chars], native VSAN [dec] native AFID [dec]) may not be exported to other VSANs (for Inter-VSAN zoning) because it has come online in VSAN [dec] AFID [dec]

**Explanation** Device has come online on a AFID/VSAN different from the configured native AFID/VSAN

**Recommended Action** No action is required.

**Message** IVR-3-DEVICE\_ON\_WRONG\_NATIVE\_VSAN: Device with port WWN [chars] (FCID:[chars], native VSAN [dec]) may not be exported to other VSANs (for Inter-VSAN zoning) because domain [hex] exists in VSAN [dec]

**Explanation** Device has come online on a VSAN different from the configured native VSAN or the device does not satisfy unique domain criteria.

**Recommended Action** No action is required.

**Message** IVR-3-DM\_ERROR: Domain Manager API, [chars], failed with error [hex]

**Explanation** IVR invoked DM API and received the error code. [chars] describes the API and 0x[hex] specifies the error.

**Recommended Action** No action is required.

**Message** IVR-3-DOMAIN\_DISALLOWED\_IN\_INTEROP: Device with port WWN [chars] and FCID [chars] may not be able to participate in Inter-VSAN zone since domain [dec] is disallowed in the interop mode for VSAN [dec]

**Explanation** VSAN interop modes place restrictions on what domain ranges are allowed. This domain is out of the range allowed for this interop mode. See the Cisco MDS 9000 Family Configuration Guide for details on the domain range limitations.

**Recommended Action** Change the domain of the switch to which this IVR zone member is connected to so that it is within the allowed domain list for the interop mode. The domain identifier can be statically assigned using fcdomain interface. You can also configure a range of domains allowed in a VSAN using the fc domains allowed-domains' interface.

**Message** IVR-3-DOMAIN\_UNAVAILABLE: Device with port WWN [chars] and FCID [chars] may not be able to participate in Inter-VSAN zone since domain [dec] is already assigned in VSAN [dec]

**Explanation** Device with port WWN [chars] and FCID [dec] may not be able to participate in Inter-VSAN zone since domain [dec] is already assigned in VSAN [dec].

**Recommended Action** No action is required.

**Message** IVR-3-FC2\_ERROR: FC2 API [chars] failed with error [hex] for [chars]

**Explanation** IVR invoked FC2 API for [chars] socket and received the error code. [chars] describes the API and 0x[hex] specifies the error.

**Recommended Action** No action is required.

**Message** IVR-3-FCID\_NAT\_MODE\_CANNOT\_CHANGE: IVR NAT mode cannot be changed. Might cause the fabric NAT mode inconsistency

**Explanation** Could be caused by active zoneset, pending activation /deactivation or non-empty device list

**Recommended Action** No action is required.

**Message** IVR-3-FCID\_REWRITE\_REQUEST\_TO\_ACL\_FAILED: fcid rewrite [chars] request vsan [dec] did [chars] sid [chars] failed:[chars]([hex]).

**Explanation** This happens when either after IVR retried the request few times or ACL experienced error while processing the request.

**Recommended Action** No action is required.

**Message** IVR-3-INTERNAL\_ERROR: Internal error: [chars]

**Explanation** IVR process encountered a general error, one that does not fall in any of the categories. [chars] describes the error and its context.

**Recommended Action** No action is required.

**Message** IVR-3-INVALID\_ZONE\_MEMBER\_PROP\_INTEROP\_MODE\_2\_3: unsupported member/zone properties in interop mode 2 or 3 [chars]

**Explanation** Inter-VSAN member properties incompatible with interop mode vsan

**Recommended Action** No action is required.

**Message** IVR-3-IVR\_NAT\_OFF\_IS\_SAB: Fcid-nat must be enabled before IVR zoneset activation for Sabre platform.

**Explanation** Fcid-nat must be enabled before IVR zoneset activation for Sabre platform.

**Recommended Action** No action is required.

**Message** IVR-3-IVR\_DU\_VSAN\_IS\_SEGMENTED: AFID [dec] VSAN [dec] is segmented, VSAN is removed from the topology graph and hence no Inter-VSAN traffic can flow through this VSAN.

**Explanation** DU Vsan Segmented, ivr traffic may be impact by du vsan segmentation.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IVR-3-IVZ\_ACTIVATION\_FAILED\_VSAN: Inter-VSAN zoneset [chars] activation failed in VSAN [dec]

**Explanation** Inter-VSAN zoneset activation failed in VSAN.

**Recommended Action** No action is required.

**Message** IVR-3-IVZ\_ACTIVATION\_FAILED: Inter-VSAN zoneset [chars] activation failed

**Explanation** Inter-VSAN zoneset activation failed.

**Recommended Action** No action is required.

**Message** IVR-3-IVZ\_DEACTIVATION\_FAILED\_VSAN: Inter-VSAN zoneset [chars] deactivation failed in VSAN [dec]

**Explanation** Inter-VSAN zoneset deactivation failed in VSAN.

**Recommended Action** No action is required.

**Message** IVR-3-IVZ\_DEACTIVATION\_FAILED: Inter-VSAN zoneset [chars] deactivation failed

**Explanation** Inter-VSAN zoneset deactivation failed.

**Recommended Action** No action is required.

**Message** IVR-3-LOCK\_FAILED: [chars]

**Explanation** An error occurred while acquiring the lock. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IVR-3-MERGE\_ACTIVATION\_FAILED: [chars]

**Explanation** An error occurred while activating merged configuration. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IVR-3-MERGE\_FAILED: reason is [chars]

**Explanation** An error occurred while merging configuration. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IVR-3-MTS\_ERROR: MTS message transmission failed with error [dec]

**Explanation** IVR process unsuccessfully tried to send a MTS message. MTS error number is specified in [dec].

**Recommended Action** No action is required.

**Message** IVR-3-NS\_ERROR: FCNS API, [chars], failed with error [hex]

**Explanation** IVR invoked FCNS API and received the error code. [chars] describes the API and 0x[hex] specifies the error.

**Recommended Action** No action is required.

**Message** IVR-3-PSS\_CFG\_RESTORE\_ERROR: Configuration restoration for [chars] failed with error [hex]

**Explanation** IVR read the saved configuration and encountered an error while rebuilding the runtime configuration. [chars] describes the configuration which the process tried to restore and 0x[hex] is the system err code.

**Recommended Action** No action is required.

**Message** IVR-3-PSS\_ERROR: PSS operation [chars] returned error: [hex]

**Explanation** [chars] specifies the context where the failure occurred and 0x[hex] specifies the error.

**Recommended Action** No action is required.

**Message** IVR-3-PSS\_RTDB\_RESTORE\_ERROR: Runtime database restoration for [chars] failed with error [hex]

**Explanation** IVR read the saved runtime database and encountered an error while rebuilding the runtime database. [chars] describes the runtime database which the process tried to restore and 0x[hex] is the system error code.

**Recommended Action** No action is required.

**Message** IVR-3-QOS\_IOD\_UNDROP\_REQUEST\_TO\_ACL\_FAILED: qos iod undrop request vsan [dec] did [chars] failed: [chars].

**Explanation** This happens when either after IVR retried the request few times or ACL experienced error while processing the request.

**Recommended Action** No action is required.

**Message** IVR-3-RIB\_ERROR: RIB API, [chars], failed with error [hex]

**Explanation** IVR invoked RIB API and received the error code. [chars] describes the API and 0x[hex] specifies the error.

**Recommended Action** No action is required.

**Message** IVR-3-ROUTE\_REQUEST\_TO\_ACL\_FAILED: route [chars] request vsan [dec] domain [dec] failed: [chars].

**Explanation** This happens when either after IVR retried the request few times or ACL experienced error while processing the request.

**Recommended Action** No action is required.

**Message** IVR-3-TOPOLOGY\_COMPUTATION\_FAILED: Inter-VSAN Topology computation has failed due to: [chars]

**Explanation** Inter-VSAN Topology has failed due to [chars]. Possible reasons are (a) Number of AFID/VSAN combination is more than the maximum supported value of 128, or (b) Number of ivr-enabled switches is more than the maximum supported value of 128

**Recommended Action** No action is required.



**Message** IVR-3-UNEXPECTED\_MTS\_MSG: Unexpected MTS message, opcode [dec], is received

**Explanation** IVR process received unexpected MTS event. MTS opcode is specified in [dec].

**Recommended Action** No action is required.

**Message** IVR-3-UNLOCK\_FAILED: [chars]

**Explanation** An error occurred while releasing the lock. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IVR-3-VSAN\_SEGMENTED: [chars]

**Explanation** VSAN is segmented. VSAN is removed from the topology graph and hence no Inter-VSAN traffic can flow through this VSAN.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** IVR-3-ZS\_POLICY\_IS\_DENY\_NO\_ACTIVE\_ZS: Default zone behavior policy is deny on VSAN [dec] and there is no active zoneset

**Explanation** Default zone behavior is deny and there is no active zoneset. Inter-VSAN zone members may not be able communicate in this VSAN.

**Recommended Action** No action is required.

**Message** IVR-3-ZS\_POLICY\_IS\_PERMIT\_NO\_FORCE: Default zone behavior policy is permit on VSAN [dec] and the force option is off

**Explanation** Default zone behavior is permit and the force option is off. Inter-VSAN zoneset activation on this VSAN has failed.

**Recommended Action** No action is required.

**Message** IVR-3-ZS\_POLICY\_IS\_PERMIT\_ZS\_DEACTIVATED: Default zone behavior policy is permit on VSAN [dec] and regular zoneset deactivated

**Explanation** Default zone behavior is permit and regular zoneset is deactivated. Inter-VSAN zone members may not be able to communicate.

**Recommended Action** No action is required.

## IVR-4

**Message** IVR-4-AUTO\_TOPOLOGY\_UPDATE\_DISCARDED: [chars]

**Explanation** Received auto topology update is discarded due to conflicts

**Recommended Action** No action is required.

**Message** IVR-4-FCID\_REWRITE\_REQUEST\_TO\_ACL\_FAILED\_AND\_RETRYING: fcid rewrite [chars] request vsan [dec] did [chars] sid [chars] failed:[chars] ([hex]). Retrying the request again.

**Explanation** This happens when either any of the line cards being upgraded or ACL experienced error while processing the request.

**Recommended Action** No action is required.

**Message** IVR-4-PERSISTENT\_VIRTUAL\_DOMAIN\_MERGE\_CONFLICT: [chars]

**Explanation** Merge failed due to conflict in the persistent virtual domain configuration

**Recommended Action** No action is required.

**Message** IVR-4-IVR\_VDC\_FORCEFUL\_CLEANUP: IVR was removed with VDC delete/reload/suspend, Forceful cleanup was triggered.

**Explanation** IVR was removed from an N7K switch via VDC delete/reload, which triggered a forceful cleanup.

**Recommended Action** No action is required.

**Message** IVR-4-IVR\_REMOVED\_PENDING\_CFG: IVR was removed while there were still pending IVR configurations. Forceful cleanup was triggered and the pending configurations were not saved.

**Explanation** IVR was removed from an N7K switch via VDC delete/reload, which triggered a forceful cleanup. The pending IVR configurations were not saved.

**Recommended Action** No action is required.

**Message** IVR-4-PERSISTENT\_VIRTUAL\_FCID\_MERGE\_CONFLICT: [chars]

**Explanation** Merge failed due to conflict in the persistent virtual fcid configuration

**Recommended Action** No action is required.

**Message** IVR-4-QOS\_IOD\_UNDROP\_REQUEST\_TO\_ACL\_FAILED\_AND\_RETRYING: qos iod undrop request vsan [dec] did [chars] failed:[chars]. Retrying the request again.

**Explanation** This happens when either any of the linecards being upgraded or ACL experienced error while processing the request.

**Recommended Action** No action is required.

**Message** IVR-4-ROUTE\_REQUEST\_TO\_ACL\_FAILED\_AND\_RETRYING: route [chars] request vsan [dec] domain [dec] failed:[chars]. Retrying the request again.

**Explanation** This happens when either any of the line cards being upgraded or ACL experienced error while processing the request.

**Recommended Action** No action is required.

**Message** IVR-4-UNKNOWN\_NATIVE\_VSAN: Unknown native VSAN for the virtual domain [dec] in VSAN [dec] local native VSAN for the same virtual domain is [dec]

**Explanation** Could not determine native VSAN of the currently advertised virtual domain [dec] in VSAN [dec]. This switch has learned of a device that is member of active IVR zone has the same domain ID, and belongs to native VSAN [dec]. This device would not be advertised in that VSAN until the native VSAN information is resolved.

**Recommended Action** No action is required.

## IVR-5

**Message** IVR-5-AAM\_MODE\_DEREGISTERED: Abstract ACL Manager (AAM) mode has been deregistered

**Explanation** Abstract ACL Manager (AAM) mode has been deregistered

**Recommended Action** No action is required.

**Message** IVR-5-AAM\_MODE\_REGISTERED: Abstract ACL Manager (AAM) mode has been registered

**Explanation** Abstract ACL Manager (AAM) mode has been registered

**Recommended Action** No action is required.

**Message** IVR-5-FCID\_NAT\_MODE\_ACTIVATED: FCID network address translation (NAT) mode has been activated

**Explanation** FCID network address translation (NAT) mode has been activated

**Recommended Action** No action is required.

**Message** IVR-5-FCID\_NAT\_MODE\_DEACTIVATED: FCID network address translation (NAT) mode has been deactivated

**Explanation** FCID network address translation (NAT) mode has been deactivated

**Recommended Action** No action is required.

**Message** IVR-5-IVR\_ASSERTION\_FAILED: Unexpected assertion failure in File [chars] at Line [dec]

**Explanation** An assertion failed in IVR code

**Recommended Action** No action is required.

**Message** IVR-5-IVR\_DU\_VSAN\_NO\_LONGER\_SEGMENTED: AFID [dec] VSAN [dec] is no longer segmented

**Explanation** VSAN is no longer segmented. VSAN is added back to the topology graph and hence Inter-VSAN traffic can now flow through this VSAN.

**Recommended Action** No action is required.

**Message** IVR-5-IVZS\_ACTIVATION\_RETRYING: Inter-VSAN zoneset activation did not go through because of [chars], retrying in VSAN [dec] after [dec] seconds

**Explanation** Inter-VSAN zoneset activation failed because of [chars] in VSAN [dec]. This could be an intermittent regular zoneset activation error. The activation will be retried in [dec] seconds.

**Recommended Action** No action is required.

**Message** IVR-5-IVZS\_WAITING\_FOR\_LOWEST\_SWWN: Waiting for lowest switch WWN Inter-VSAN enabled switch in VSAN [dec]

**Explanation** Only lowest switch WWN Inter-VSAN enabled switch adds the Inter-VSAN zones to the regular active zoneset in a VSAN. This local switch is not the lowest sWWN switch in VSAN [dec]

**Recommended Action** No action is required.

**Message** IVR-5-IVZ\_ACTIVATED\_VSAN: Inter-VSAN zoneset [chars] activated in VSAN [dec]

**Explanation** Inter-VSAN zoneset activated in VSAN[dec].

**Recommended Action** No action is required.

**Message** IVR-5-IVZ\_ACTIVATED: Inter-VSAN zoneset [chars] activated

**Explanation** Inter-VSAN zoneset activated[dec].

**Recommended Action** No action is required.

**Message** IVR-5-IVZ\_CLEANUP\_DONE\_BY\_TIMER: Inter-VSAN clean-up is not done after waiting for 5 minutes

**Explanation** Inter-VSAN related configuration might not be cleaned up before the ivr process is terminated

**Recommended Action** If the problem persists, you may have to reboot your switch to clean up the old IVR configuration

**Message** IVR-5-IVZ\_CLEANUP\_DONE: Inter-VSAN clean-up is done

**Explanation** Inter-VSAN related configuration is cleaned up before exiting.

**Recommended Action** No action is required.

**Message** IVR-5-IVZ\_DEACTIVATED\_VSAN: Inter-VSAN zoneset [chars] deactivated in VSAN [dec]

**Explanation** Inter-VSAN zoneset deactivated in VSAN[dec].

**Recommended Action** No action is required.

**Message** IVR-5-IVZ\_DEACTIVATED: Inter-VSAN zoneset [chars] deactivated

**Explanation** Inter-VSAN zoneset deactivated [dec].

**Recommended Action** No action is required.

**Message** IVR-5-IVZ\_PARTIALLY\_ACTIVATED: Inter-VSAN zoneset [chars] partially activated

**Explanation** Inter-VSAN zoneset activated[dec].

**Recommended Action** Check if it is successful in all VSANs by doing show IVR zoneset status.

**Message** IVR-5-IVZ\_PARTIALLY\_DEACTIVATED: Inter-VSAN zoneset [chars] partially deactivated

**Explanation** Inter-VSAN zoneset deactivated [dec].

**Recommended Action** Check if it is successful in all VSANs by doing show IVR zoneset status.

**Message** IVR-5-LICENSE\_CHECKIN\_FAILED: Failed to checkin [chars] license:  
Err=[chars]

**Explanation** Failed to checkin [chars] license

**Recommended Action** No action is required.

**Message** IVR-5-SERVICE\_GROUP\_ACTIVATED: Inter-VSAN Service Group has been activated

**Explanation** Inter-VSAN Service Group has been activated.

**Recommended Action** No action is required.

**Message** IVR-5-SERVICE\_GROUP\_DEACTIVATED: Inter-VSAN Service Group has been deactivated

**Explanation** Inter-VSAN Service Group has been deactivated.

**Recommended Action** No action is required.

**Message** IVR-5-VSAN\_NO\_LONGER\_SEGMENTED: [chars]

**Explanation** VSAN is no longer segmented. VSAN is added back to the topology graph and hence Inter-VSAN traffic can now flow through this VSAN.

**Recommended Action** No action is required.

**Message** IVR-5-VSAN\_TOPOLOGY\_ACTIVATED: Inter-VSAN Topology has been activated

**Explanation** Inter-VSAN Topology has been activated.

**Recommended Action** No action is required.

## IVR-6

**Message** IVR-6-DRAV\_ASYNC\_DOMAIN\_RELEASE: [chars]

**Explanation** DRAV FSM has unconditionally released a domain due to conflict after a fabric merge. The details are in [chars]

**Recommended Action** No action is required.

**Message** IVR-6-DRAV\_CRITICAL\_RETRY\_EXCEED: [chars]

**Explanation** DRAV FSM frames are attempted to be resent. The details are in [chars]

**Recommended Action** No action is required.

**Message** IVR-6-DRAV\_DOMAIN\_ALLOC: Virtual domain [dec] for Native AFID: [dec]  
Native VSAN [dec]

**Explanation** A virtual domain indicated by [dec] has been reserved for a device with native AFID [dec] and native VSAN [dec]

**Recommended Action** No action is required.

**Message** IVR-6-DRAV\_DOMAIN\_RELEASE: Virtual domain [dec] for Native AFID: [dec]  
Native VSAN [dec]

**Explanation** A virtual domain indicated by [dec] has been released used by devices with native AFID [dec] and native VSAN [dec]

**Recommended Action** No action is required.

**Message** IVR-6-DRAV\_TOPO\_UPDATE: [chars]

**Explanation** DRAV FSM Topology has been updated as indicated by [chars]

**Recommended Action** No action is required.

**Message** IVR-6-LICENSE\_VALID: A valid license for Inter-VSAN Routing has been  
obtained

**Explanation** A valid license for Inter-VSAN Routing has been obtained

**Recommended Action** No action is required.

## IVR-7

**Message** IVR-7-CFS\_REQ\_RCVD: [chars]

**Explanation** CFS request is received. The WWN of the switch originated this request and the rr-token of the request are provided in the syslog message.

**Recommended Action** No action is required.

**Message** IVR-7-CFS\_RESP\_SENT: [chars]

**Explanation** CFS response is sent. The rr-token of the corresponding request and the status are provided in the syslog message

**Recommended Action** No action is required.

## KERN Messages

**Message** %KERN-2-SYSTEM\_MSG: [char]

**Explanation** Kernel messages provide additional information about the applications and help debug application errors.

**Recommended Action** No action is required.

## L2FMC Messages

This section contains the L2FMC messages.

### L2FMC-SLOT#-0

**Message** L2FMC-SLOT#-0-L2FMC\_CLI\_INIT\_FAILED: CLI library initialization failed!

**Explanation** L2FMC failed to initialize CLI infrastructure's backend library. This is a fatal error.

**Recommended Action** No action is required.

**Message** L2FMC-SLOT#-0-L2FMC\_TIMER\_INIT\_FAILED: Timer subsystem initialization failed!

**Explanation** L2FMC failed to initialize timer library. This is a fatal error.

**Recommended Action** No action is required.

### L2FMC-SLOT#-2

**Message** L2FMC-SLOT#-2-L2FMC\_MEM\_ALLOC: Memory allocation failed. [chars]

**Explanation** Memory allocation failed. This is a critical failure

**Recommended Action** No action is required.

**Message** L2FMC-SLOT#-2-L2FMC\_VLAN\_NOT\_FOUND: VLAN [dec] not found in L2FMC database!

**Explanation** L2FMC failed to find VLAN [dec] in its database. L2 MAC learning & aging on VLAN [dec] may be affected.

**Recommended Action** No action is required.



## L2FMC-SLOT#-5

**Message** L2FMC-SLOT#-5-L2FMC\_GLBL\_AGE\_CONFIG\_FAIL: Global age value configuration to [dec] seconds failed!

**Explanation** L2FMC failed to configure global default age to [dec] seconds.

**Recommended Action** No action is required.

**Message** L2FMC-SLOT#-5-L2FMC\_VLAN\_AGE\_CONFIG\_FAIL: VLAN Age configuration to [dec] seconds failed!

**Explanation** L2FMC failed to configure age for VLAN [dec] to [dec] seconds.

**Recommended Action** No action is required.

## L2FMC-SLOT#-6

**Message** L2FMC-SLOT#-6-L2FMC\_GLBL\_AGE\_CONFIGURED: Global age value configured to [dec] seconds.

**Explanation** L2FMC has successfully configured global default age to [dec] seconds.

**Recommended Action** No action is required.

**Message** L2FMC-SLOT#-6-L2FMC\_INITIALIZED: Internal state created [chars]

**Explanation** L2FMC has created its internal state stateless/stateful [chars].

**Recommended Action** No action is required.

**Message** L2FMC-SLOT#-6-L2FMC\_VDC\_CREATED: VDC [dec] created

**Explanation** Request to create VDC [dec] in L2FMC was successful.

**Recommended Action** No action is required.

**Message** L2FMC-SLOT#-6-L2FMC\_VDC\_REMOVED: VDC [dec] Removed

**Explanation** L2FMC has successfully removed VDC [dec] from its databases.

**Recommended Action** No action is required.

**Message** L2FMC-SLOT#-6-L2FMC\_VDC\_VLAN\_CREATED: VLAN [dec] created

**Explanation** L2FMC has added VLAN [dec].

**Recommended Action** No action is required.

**Message** L2FMC-SLOT#-6-L2FMC\_VDC\_VLAN\_REMOVED: VLAN [dec] removed from VDC [dec]

**Explanation** L2FMC has successfully removed VLAN [dec] from VDC [dec].

**Recommended Action** No action is required.

**Message** L2FMC-SLOT#-6-L2FMC\_VLAN\_AGE\_CONFIGURED: Age configured for VLAN [dec] to [dec] seconds.

**Explanation** L2FMC has successfully configured age for VLAN [dec] to [dec] seconds.

**Recommended Action** No action is required.

## L2FM Messages

This section contains the L2FM messages.

### L2FM-0

**Message** L2FM-0-L2FM\_CLI\_INITIALIZATION\_FAILED: CLI library initialization failed!

**Explanation** Failed to initialize CLI infrastructure's backend library. This is a fatal error.

**Recommended Action** No action is required.

**Message** L2FM-0-L2FM\_VDC\_GWMAC\_GET\_FAILED: Failed to get gwmac for VDC

**Explanation** Failed to get gwmac for VDC.

**Recommended Action** No action is required.

**Message** L2FM-0-L2FM\_WRITE\_TO\_PSS\_FAILED\_IN\_PREVIOUS\_INCARNATION: PSS Write Failed in previous incarnation. Stateful restart not possible

**Explanation** PSS Write Failed in previous incarnation. Stateful restart not possible

**Recommended Action** No action is required.

## L2FM-1

**Message** L2FM-1-L2FM\_CRDCFG\_ERROR: L2fm queried Card config for slot info and it has returned error. The slot may not have been added correctly

**Explanation** No action is required.

**Recommended Action** L2fm

**Message** L2FM-1-L2FM\_LINE\_FULL\_CONDITION\_STRING: Unable to insert the MAC as hardware lines are full

**Explanation** No action is required.

**Recommended Action** L2fm

**Message** L2FM-1-L2FM\_LINE\_FULL\_CONDITION: Unable to insert the MAC as hardware lines are full

**Explanation** No action is required.

**Recommended Action** L2fm

**Message** L2FM-1-L2FM\_ORIB\_SENDS\_INCORRECT\_IFIDX: Incorrect ifidx received from Orib. Please check mac [chars] vlan [dec]

**Explanation** L2fm has received a mac insert/delete from Orib with incorrect ifidx. Please check otv mac entries.

**Recommended Action** No action is required.

**Message** L2FM-1-L2FM\_OWNER\_NOT\_FOUND: Error: fe owner not found for mac entry [chars] in age not if sent from slot = [dec], fe = [dec]

**Explanation** L2fm has received an age notification from the linecard but does not have the mac owner in its database

**Recommended Action** No action is required.

**Message** L2FM-1-L2FM\_SDB\_NOT\_FLUSHED: Error: [dec] mac entries have not flushed from l2fm sdb

**Explanation** Due to an internal error l2fm has not written mac entries to its sdb

**Recommended Action** No action is required.

**Message** L2FM-1-L2FM\_SMAC\_DUP\_FOUND: Duplicate static mac found in secondary vlan.  
P-VLAN: [dec] S-VLAN: [dec] MAC: [chars]

**Explanation** Duplicate static mac found in secondary vlan. P-VLAN:[dec] S-VLAN:[dec]  
MAC:[chars]

**Recommended Action** No action is required.

**Message** L2FM-1-L2FM\_WRITE\_TO\_PSS\_FAILED: Failed to write to PSS err [chars]

**Explanation** Failed to write to PSS err [chars]

**Recommended Action** No action is required.

## L2FM-2

**Message** L2FM-2-L2FM\_AGING\_TIME\_SET\_FAILED: Failed to set age time [dec] for vlan [dec]

**Explanation** Failed to set age time [dec] for vlan [dec].

**Recommended Action** No action is required.

**Message** L2FM-2-L2FM\_CFS\_OUT\_OF\_ORDER: Error: Received Message for STATIC MAC INSERT/DELETE as Out Of Order from vpc peer due to congestion. Please check mac programming for Router macs.Flarp interface-vlans if necessary to correct the programming

**Explanation** Messages over peer-link could be received out of order due to congestion

**Recommended Action** No action is required.

**Message** L2FM-2-L2FM\_GLBL\_AGING\_TIME\_SET\_FAILED: Failed to set global age time [dec]

**Explanation** Failed to set global age time [dec]

**Recommended Action** No action is required.

**Message** L2FM-2-L2FM\_SMAC\_INS\_FAILED: Failed to insert static mac for VLAN:[dec]  
MAC: [chars] IfIndex: [hex] Slot: [dec]

**Explanation** No action is required.

**Recommended Action** L2fm

**Message** L2FM-2-L2FM\_UPDATE\_LOST\_HINTS: mac [hex]:[hex]:[hex]:[hex]:[hex]:[hex] updated by slot [dec] fe\_index [dec], from [hex] to [hex], with [hex] new hints and losing%08 old\_hints. stack trace: [chars]

**Explanation** An update from MTM looks inconsistent with the previous state

**Recommended Action** No action is required.

**Message** L2FM-2-L2FM\_CONTINUOUS\_MAC\_MOVE: Mac Address [chars] in Vlan[dec] is moving continuously

**Explanation** Mac address in VLAN is moving continuously

**Recommended Action** Enable sev 4 L2FM syslog. Check L2FM-4-L2FM\_MAC\_MOVE to figure out between which ports the mac is moving.

## L2FM-4

**Message** L2FM-4-L2FM\_MAC\_MOVE: Mac [chars] in vlan [dec] has moved from [chars] to [chars]

**Explanation** Mac [string] in vlan [dec] has moved from [string] to [string]

**Recommended Action** No action is required.

## L2FM-5

**Message** L2FM-5-L2FM\_VLAN\_MODE\_CHANGE\_TO\_NON\_CONV: Vlan [dec] has been internally changed to non conversational mode on SVI CREATE

**Explanation** Change vlan learning mode to non conversational mode on SVI CREATE

**Recommended Action** No action is required.

**Message** L2FM-5-L2FM\_VLAN\_MODE\_REVERTED\_BACK: Vlan [dec] has been internally changed to user configured learning mode on SVI DELETE. Mac entries installed non-optimally due to SVI up will get removed from all FEs once ages out

**Explanation** Change vlan learning mode to user configured value on SVI DELETE

**Recommended Action** No action is required.

## L2FM-6

**Message** L2FM-6-L2FM\_DYN\_MAC\_INS\_FAILED: Dynamic mac insertion failure!fail\_cnt:[dec] Slot:[dec]

**Explanation** Failed to insert dynamic macs fail\_cnt:[dec] for Slot:[Slot]

**Recommended Action** No action is required.

**Message** L2FM-6-L2FM\_MTS\_SEND\_FAILED: Failed to send MTS message errno [hex] opcode [dec]

**Explanation** No action is required.

**Recommended Action** L2fm

## L2MCAST Messages

This section contains the L2MCAST messages.

### L2MCAST-SLOT#-0

**Message** L2MCAST-SLOT#-0-L2MCAST\_CLI\_INIT\_FAILED: CLI library initialization failed!

**Explanation** L2MCAST failed to initialize CLI infrastructure's backend library. This is a fatal error.

**Recommended Action** No action is required.

**Message** L2MCAST-SLOT#-0-L2MCAST\_TIMER\_INIT\_FAILED: Timer subsystem initialization failed!

**Explanation** L2MCAST failed to initialize timer library. This is a fatal error.

**Recommended Action** No action is required.

### L2MCAST-SLOT#-2

**Message** L2MCAST-SLOT#-2-L2MCAST\_MAC\_FULL\_LC: Failed to insert entry in MAC table for FE [dec] swidx [dec] ([hex]) with err ([chars]). To avoid possible multicast traffic loss, disable OMF. Use the configuration CLI: "no ip igmp snooping optimise-multicast-flood"

**Explanation** Failed to program the MAC table. MAC table line full for this entry

**Recommended Action** No action is required.

**Message** L2MCAST-SLOT#-2-L2MCAST\_VLAN\_NOT\_FOUND: VLAN [dec] not found in L2MCAST database!

**Explanation** L2MCAST failed to find VLAN [dec] in its database. L2 MAC learning & aging on VLAN [dec] may be affected.

**Recommended Action** No action is required.

**Message** L2MCAST-SLOT#-2-L2MCAST: Memory allocation failed. [chars]

**Explanation** Memory allocation failed. This is a critical failure

**Recommended Action** No action is required.

## L2MCAST-SLOT#-3

**Message** L2MCAST-SLOT#-3-L2MCAST\_HW\_INSTALL\_FAIL: Hw install failed for vlan [dec] ([dec], [chars], [chars]) entry!

**Explanation** L2MCAST failed to insert bd, g, s entry in hardware. Igmp snooping may not be effective on vlan for that group and source

**Recommended Action** No action is required.

## L2MCAST-SLOT#-6

**Message** L2MCAST-SLOT#-6-L2MCAST\_HW\_INSTALL\_FAIL: Hw install failed for vlan [dec] ([dec], [chars], [chars]) entry!

**Explanation** L2MCAST failed to insert bd,g,s entry in hardware. Igmp snooping may not be effective on vlan for that group and source

**Recommended Action** No action is required.

**Message** L2MCAST-SLOT#-6-L2MCAST\_INITIALIZED: Internal state created [chars]

**Explanation** L2MCAST has created its internal state stateless/stateful [chars].

**Recommended Action** No action is required.

**Message** L2MCAST-SLOT#-6-L2MCAST\_VDC\_CREATED: VDC [dec] created

**Explanation** Request to create VDC [dec] in L2MCAST was successful.

**Recommended Action** No action is required.

**Message** L2MCAST-SLOT#-6-L2MCAST\_VDC\_REMOVED: VDC [dec] Removed

**Explanation** L2MCAST has successfully removed VDC [dec] from its databases.

**Recommended Action** No action is required.

**Message** L2MCAST-SLOT#-6-L2MCAST\_VDC\_VLAN\_CREATED: VLAN [dec] created

**Explanation** L2MCAST has added VLAN [dec].

**Recommended Action** No action is required.

**Message** L2MCAST-SLOT#-6-L2MCAST\_VDC\_VLAN\_REMOVED: VLAN [dec] removed from VDC [dec]

**Explanation** L2MCAST has successfully removed VLAN [dec] from VDC [dec].

**Recommended Action** No action is required.

## L3VM Messages

This section contains the L3VM messages.

### L3VM-5

**Message** L3VM-5-FP\_TPG\_CREATE: Fabricpath topology [dec] created

**Explanation** FP-Topology created

**Recommended Action** No action is required.

**Message** L3VM-5-FP\_TPG\_DELETE: Fabricpath topology [dec] deleted

**Explanation** FP-Topology deleted

**Recommended Action** No action is required.

**Message** L3VM-5-FP\_TPG\_INTF\_DOWN: Interface [chars] down in fabricpath topology [dec] [chars]

**Explanation** Interface in a FP-Topology went down

**Recommended Action** No action is required.



**Message** L3VM-5-FP\_TPG\_INTF\_UP: Interface [chars] up in fabricpath topology [dec]

**Explanation** Interface in a FP-Topology is up

**Recommended Action** No action is required.

## LACP Messages

This section contains the LACP messages.

### LACP-3

**Message** LACP-3-GENERAL\_ERROR: [chars]

**Explanation** General error

**Recommended Action** No action is required.

**Message** LACP-3-LACP\_SUSPEND\_HALF\_DUPLEX\_PORT: Port [chars] is in half duplex mode.  
suspend port

**Explanation** LACP is not supported in half duplex mode. Suspend port

**Recommended Action** No action is required.

**Message** LACP-3-LACP\_SUSPEND\_MINLINK: LACP port [chars] of port-channel [chars] is  
suspended as min-link requirement not met.

**Explanation** LACP suspend ports due to min-link

**Recommended Action** No action is required.

**Message** LACP-3-LACP\_UPGRADE\_READY\_FAILED: Upgrade ready failed.

**Explanation** Upgrade ready event failed because at least one port channel member is in intermediate state.

**Recommended Action** No action is required.

**Message** LACP-3-PACKET\_TRANSMIT\_ERR: [chars]: Could not send LACP packet err=[dec]

**Explanation** There was an error in sending LACP packet

**Recommended Action** No action is required.

**Message** LACP-3-SYN\_COLL\_DIS\_EN: [chars] [[chars]]: SYNC, COLLECT and DISTRIBUTE flags enabled too early by partner

**Explanation** Potential interop issue. Partner system seems to have enabled sync as well collecting or distributing flags too early even before actor has selected an aggregation

**Recommended Action** No action is required.

**Message** LACP-3-SYSTEM\_MAC\_ERR: [chars]: Could not get system mac [[chars]]

**Explanation** There was an error in acquiring system mac from VDC Mgr

**Recommended Action** No action is required.

## LACP-4

**Message** LACP-4-LACP\_LOG\_PARTNER\_PDU\_MISS

**Explanation** LACP port missed receiving PDU from the peer port

**Recommended Action** No action is required.

**Message** LACP-4-LACP\_LOG\_PARTNER\_REPORTING\_PDU\_MISS

**Explanation** LACP port detects that the peer port missed getting PDU from the LACP port

**Recommended Action** No action is required.

**Message** LACP-4-LACP\_LOG\_PDU\_TX\_DELAY

**Explanation** LACP port shows delay in transmitting PDU

**Recommended Action** No action is required.

## LACP-5

**Message** LACP-5-LACP\_DISABLED: LACP Disabled

**Explanation** LACP Service Disabled

**Recommended Action** No action is required.

**Message** LACP-5-LACP\_DOES\_NOT\_MEET\_MINLINK\_REQ: LACP port-channel [chars] is brought down as min-link requirement not met.

**Explanation** LACP port-channel down as min-link requirement not met

**Recommended Action** No action is required.

**Message** LACP-5-LACP\_ENABLED: LACP Enabled

**Explanation** LACP Service Enabled

**Recommended Action** No action is required.

**Message** LACP-5-LACP\_MEETS\_MINLINK\_REQ: LACP port-channel [chars] meets min-link requirement. Reint port-channel

**Explanation** LACP port-channel meets min-link requirement

**Recommended Action** No action is required.

**Message** LACP-5-LACP\_REMOTE\_NOTIFY\_SUCCESS: Remote notify event.

**Explanation** Remote notify event was successful.

**Recommended Action** No action is required.

**Message** LACP-5-LACP\_SUSPEND\_INDIVIDUAL: LACP port [chars] of port-channel [chars] not receiving any LACP BPDUs suspending (individual) port

**Explanation** LACP suspend individual ports

**Recommended Action** No action is required.

**Message** LACP-5-LACP\_UPGRADE\_READY\_SUCCESS: Upgrade ready successful.

**Explanation** Upgrade ready event is successful as all port channel members are in steady state.

**Recommended Action** No action is required.

**Message** LACP-5-PORT\_PRIORITY\_CHANGED: [chars]: LACP port priority changed from [dec] to [dec]

**Explanation** LACP port priority has been changed

**Recommended Action** No action is required.

**Message** LACP-5-SYSTEM\_PRIORITY\_CHANGED: LACP system priority changed from [hex] to [hex]

**Explanation** LACP system priority has been changed

**Recommended Action** No action is required.

## LC-FCFWD Messages

This section contains the LC-FCFWD messages.

### LC-FCFWD-3

**Message** LC-FCFWD-3-ERROR: [chars]

**Explanation** Lc\_fcfwd encountered an error

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## LC-QOS Messages

This section contains the LC-QOS messages.

### LC-QOS-3

**Message** LC-QOS-3-ERROR: [chars]

**Explanation** Lc\_qos\_mgr encountered an error

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## LC-SPAN Messages

This section contains the LC-SPAN messages.

### LC-SPAN-3

**Message** LC-SPAN-3-ERROR: [chars]

**Explanation** Lc\_span\_mgr encountered an error

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## LC\_CFG Messages

This section contains the L2\_CFG messages.

## LC\_CFG-SLOT#-2

**Message** LC\_CFG-SLOT#-2-LC2\_CPU\_ERRORS: [chars], Total IC [dec], DC [dec], Tag [dec], MBit [dec], SBit [dec], I30 [dec]

**Explanation** LC CPU Cache errors.

**Recommended Action** No action is required.

**Message** LC\_CFG-SLOT#-2-LC\_CFG\_ABORT: registration aborted with code [dec]

**Explanation** Process lc\_cfg\_mgr aborted registration

**Recommended Action** No action is required.

**Message** LC\_CFG-SLOT#-2-LC\_CFG\_EXITED: exited with code [dec]

**Explanation** Process lc\_cfg\_mgr exited

**Recommended Action** No action is required.

## LC\_MNT\_MGR Messages

This section contains the LC\_MNT\_MGR messages.

### LC\_MNT\_MGR-SLOT#-2

**Message** LC\_MNT\_MGR-SLOT#-2-LC\_MNT\_MGR\_ERROR: [chars]

**Explanation** Lc\_mnt\_mgr syslog message

**Recommended Action** No action is required.

## LC\_PORT\_CHANNEL Messages

This section contains the LC\_PORT\_CHANNEL messages.

### LC\_PORT\_CHANNEL-SLOT#-0

**Message** LC\_PORT\_CHANNEL-SLOT#-0-HW\_FAILURE: fatal error in configureing [chars]: [chars]

**Explanation** Fatal hardware error in port-channel configuration

**Recommended Action** Reset the module

**Message** LC\_PORT\_CHANNEL-SLOT#-0-IDX\_FULL: D\_IDX table full (current [dec], new [dec], total [dec])

**Explanation** Programming error in port-channel configuration

**Recommended Action** Reset the module

## LC\_PORT\_CHANNEL-SLOT#-1

**Message** LC\_PORT\_CHANNEL-SLOT#-1-MALLOC\_FAILED: cannot allocate memory (size [dec])

**Explanation** No enough memory

**Recommended Action** No action is required.

## LC\_PORT\_CHANNEL-SLOT#-3

**Message** LC\_PORT\_CHANNEL-SLOT#-3-LC\_PORT\_CHANNEL\_ERROR: [chars]

**Explanation** General error

**Recommended Action** No action is required.

**Message** LC\_PORT\_CHANNEL-SLOT#-3-LC\_PORT\_CHANNEL\_IDXMAP\_FAILURE: could not lookup port index for interface [chars]

**Explanation** Could not look up port index

**Recommended Action** No action is required.

## LC\_PORT\_MGR Messages

This section contains the LC\_PORT\_MGR messages.

### LC\_PORT\_MGR-SLOT#-2

**Message** LC\_PORT\_MGR-SLOT#-2-LC\_MTS\_ERROR: An MTS error has occurred in ([chars]) with the following conditions: opc=[dec] ssap=[hex] dsap=[hex] syserr=[hex]

**Explanation** This is a software error in message communication between two applications.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## LC\_RDL Messages

This section contains the LC\_RDL messages.

### LC\_RDL-3

**Message** LC\_RDL-3-SYSLOG\_ALLOC\_FAIL:: [chars]

**Explanation** RDL malloc failed: [chars]

**Recommended Action** No action is required.

**Message** LC\_RDL-3-SYSLOG\_CONTEXT\_ERR:: [chars] [dec]

**Explanation** RDL context error: [chars] [dec]

**Recommended Action** No action is required.

**Message** LC\_RDL-3-SYSLOG\_ERR: [chars]

**Explanation** RDL syslog errors: [chars]

**Recommended Action** No action is required.

**Message** LC\_RDL-3-SYSLOG\_EXIT:: [chars]

**Explanation** RDL exiting on errors: [chars]

**Recommended Action** No action is required.

**Message** LC\_RDL-3-SYSLOG\_INIT\_FAIL: [chars] [chars]

**Explanation** RDL Init Failed: [chars] [chars]

**Recommended Action** No action is required.

**Message** LC\_RDL-3-SYSLOG\_MTS\_ERR:: [chars]

**Explanation** RDL MTS errors: [chars]

**Recommended Action** No action is required.

**Message** LC\_RDL-3-SYSLOG\_MTS\_REG\_FAILED:: [dec] [dec]

**Explanation** RDL context error: [dec] [dec]

**Recommended Action** No action is required.

## LC\_RDL-6

**Message** LC\_RDL-6-SYSLOG\_DEBUG\_1:: [chars] [hex]

**Explanation** RDL Debug logs: [chars] [dec]

**Recommended Action** No action is required.

**Message** LC\_RDL-6-SYSLOG\_DEBUG\_2:: [chars] [hex]

**Explanation** RDL Debug logs: [chars] [dec]

**Recommended Action** No action is required.

**Message** LC\_RDL-6-SYSLOG\_INFO:: [chars]

**Explanation** RDL Debug logs: [chars]

**Recommended Action** No action is required.

**Message** LC\_RDL-6-SYSLOG\_RESP\_RCVD:: [chars] [dec]

**Explanation** RDL context error: [chars] [dec]

**Recommended Action** No action is required.

## LDAP Messages

This section contains the LDAP messages.

### LDAP-2

**Message** LDAP-2-LDAP\_PROGRAM\_EXIT: LDAP daemon exiting: [chars]

**Explanation** LDAP daemon is exiting.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

### LDAP-3

**Message** LDAP-3-LDAP\_ERROR\_MESSAGE: [chars]

**Explanation** LDAP Message

**Recommended Action** No action is required.



## LDAP-5

**Message** LDAP-5-LDAP\_MONITOR\_STATUS: [chars] [chars]

**Explanation** Notifying LDAP server monitor status change

**Recommended Action** No action is required.

**Message** LDAP-5-LDAP\_SERVER\_STATUS: [chars] server [chars] with port [dec] status has changed from [chars] to [chars]. Server was in previous-state for [chars], and total dead time of the server is [chars]

**Explanation** Notifying Lap server status change

**Recommended Action** No action is required.

## LDAP-6

**Message** LDAP-6-LDAP\_MESSAGE: [chars]

**Explanation** LDAP Message

**Recommended Action** No action is required.

## LDP Messages

### LDP-5

**Message** LDP-5-LDP\_DISABLED: LDP Disabled

**Explanation** MPLS\_LDP Service Disabled

**Recommended Action** No action is required.

**Message** LDP-5-LDP\_ENABLED: LDP Enabled

**Explanation** MPLS\_LDP Service enabled

**Recommended Action** No action is required.

## LED\_MGR Messages

This section contains the LED\_MGR messages.

## LED\_MGR-SLOT#-3

**Message** LED\_MGR-SLOT#-3-LED\_MGR\_EXITED: LED Manager application exited (syserr = [dec], errno = [dec])

**Explanation** LED Manager application exited

**Recommended Action** No action is required.

**Message** LED\_MGR-SLOT#-3-LED\_MGR\_SELECT\_ERR: LED Manager application call to select() returned [dec], (errno = [dec])

**Explanation** LED Manager application received error from select()

**Recommended Action** No action is required.

## LIBBASE\_SVC Messages

This section contains the LIBBASE\_SVC messages.

### LIBBASE\_SVC-2

**Message** LIBBASE\_SVC-2-IT\_NEXUS\_MAX\_INTERFACE\_LIMIT\_REACHED: [chars] cannot be bound for site [chars], as the interfaces reached the maximum flow limit

**Explanation** IT Load Balancing failed

**Recommended Action** No action is required.

**Message** LIBBASE\_SVC-2-LOG\_ERR\_BASE\_SVC\_TOM\_ABORTED: SME Cluster [chars] Message Id: [hex] aborted

**Explanation** An SME Cluster Message was aborted by the Cluster process

**Recommended Action** No action is required.

### LIBBASE\_SVC-4

**Message** LIBBASE\_SVC-4-FCR\_VER2\_NOT\_ENABLED: FCR Version2 is not enabled. May affect flows. Please enable fc-redirect version2

**Explanation** FCR Version2 not enabled

**Recommended Action** No action is required.

## LIBBASE\_SVC-5

**Message** LIBBASE\_SVC-5-FLOW\_NOT\_ALLOWED: Flow [chars] <-

**Explanation** Flow creation failed

**Recommended Action** No action is required.

**Message** LIBBASE\_SVC-5-IT\_NEXUS\_FAILURE: [chars]. [chars] bind failure. Reason: [chars]: [hex]

**Explanation** IT Nexus bind failed

**Recommended Action** No action is required.

**Message** LIBBASE\_SVC-5-IT\_NEXUS\_OPTIMUM\_INTERFACE\_LIMIT\_REACHED: Interface [chars] exceeded the optimum flow limit

**Explanation** Interface Flow Limit

**Recommended Action** No action is required.

## LIBGD Messages

This section contains the LIBGD messages.

### LIBGD-2

**Message** LIBGD-2-GD\_ACCESS\_FAILED: Guardian Failed to access reg for [chars]

**Explanation** Guardian Access failed

**Recommended Action** No action is required.

**Message** LIBGD-2-GD\_CATASTROPHIC: Guardian catastrophic failure: [chars]

**Explanation** Guardian catastrophic error

**Recommended Action** No action is required.

**Message** LIBGD-2-GD\_INTR: Guardian Interrupt occurred: [chars]

**Explanation** Interrupt occurred on the Guardian

**Recommended Action** No action is required.

**Message** LIBGD-2-SHUTDOWN: Guardian software process exiting: [chars]

**Explanation** Guardian shutting down

**Recommended Action** No action is required.

## LIBGD-3

**Message** LIBGD-3-EN\_DATA\_FAILED: Guardian enable port failed for inst:[dec] port:[dec]

**Explanation** Guardian Enable port failed for the guardian

**Recommended Action** No action is required.

## LIBGD-5

**Message** LIBGD-5-STARTING: Guardian process starting

**Explanation** Guardian process is being started

**Recommended Action** No action is required.

## LIBGD-6

**Message** LIBGD-6-DIS\_DATA: Guardian disable port done for inst:[dec] port:[dec]

**Explanation** Disabled port successfully for guardian

**Recommended Action** No action is required.

**Message** LIBGD-6-EN\_PORT: Guardian enable port done for inst:[dec] port:[dec]

**Explanation** Enabled port for the Guardian

**Recommended Action** No action is required.

**Message** LIBGD-6-HW\_INIT: Guardian HW initialization has been done for inst: [dec] port: [dec]

**Explanation** Guardian HW initialization has been called [dec]

**Recommended Action** No action is required.

## LIBIFMGR Messages

This section contains the LIBIFMGR messages.

## LIBIFMGR-5

**Message** LIBIFMGR-5-ALL\_COUNTERS\_CLEARED: All interface counters cleared by user

**Explanation** All interface counters cleared by user.

**Recommended Action** LOG\_STD\_SH\_TECH\_ACTION

**Message** LIBIFMGR-5-INTF\_COUNTERS\_CLEARED: Interface [chars] counters cleared by user

**Explanation** Interface counters cleared by user.

**Recommended Action** LOG\_STD\_SH\_TECH\_ACTION

## LICMGR Messages

This section contains the LICMGR messages.

### LICMGR-0

**Message** LICMGR-0-LOG\_LIC\_GRACE\_EXPIRED: Grace period expired for feature [chars].

**Explanation** Unlicensed feature [chars] has exceeded its grace time period. Applications using will be shut down immediately.

**Recommended Action** Please install the license file to continue using the feature.

### LICMGR-1

**Message** LICMGR-1-LOG\_LIC\_LICENSE\_EXPIRED: Evaluation license expired for feature [chars].

**Explanation** The named feature has exceeded its evaluation time period. Applications using the license will be shut down after a grace period.

**Recommended Action** Please install the license file to continue using the feature.

**Message** LICMGR-1-LOG\_LIC\_LICENSE\_EXPIRY\_WARNING\_ALERT: Evaluation license for feature [chars] will expire in [dec] days.

**Explanation** Feature [chars] has very limited time for expiry. Feature will expire in [dec] days and will be shut down.

**Recommended Action** Please install the license file to continue using the feature.

**Message** LICMGR-1-LOG\_LIC\_NO\_LIC\_ALERT: No license(s) present for feature [chars]. Application(s) running in grace-period and will be shut down in [dec] days.

**Explanation** Feature [chars] has not been licensed. The feature will work for a grace period of [dec] days after which application(s) using the feature will be shut down.

**Recommended Action** Please install the license file to continue using the feature.

## LICMGR-2

**Message** LICMGR-2-LOG\_LICAPP\_EXPIRY\_WARNING: Application [chars] evaluation license [chars] expiry in [dec] days.

**Explanation** Application [chars1] will exceed its evaluation time period in [dec] days and will be shut down after a grace period unless a permanent license for feature [chars2] is installed.

**Recommended Action** Please install the license file to continue using the feature.

**Message** LICMGR-2-LOG\_LICAPP\_NO\_LIC: Application [chars] running without [chars] license, shut down in [dec] days.

**Explanation** Application [chars1] has not been licensed. The application will work for a grace period of [dec] days after which it will be shut down unless a license file for feature [chars2] is installed.

**Recommended Action** Please install the license file to continue using the feature.

**Message** LICMGR-2-LOG\_LIC\_EXIT: License manager exiting: [chars]

**Explanation** License manager exiting.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** LICMGR-2-LOG\_LIC\_INVALID\_SERVER\_LINE: License file [chars] contains invalid "SERVER" line. Contact TAC

**Explanation** Invalid SERVER line in license file.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** LICMGR-2-LOG\_LIC\_NO\_LIC: No license(s) present for feature [chars]. Application(s) shut down in [dec] days.

**Explanation** Feature [chars] has not been licensed. The feature will work for a grace period of [dec] days after which application(s) using the feature will be shut down.

**Recommended Action** Please install the license file to continue using the feature.

**Message** LICMGR-2-LOG\_LIC\_NVRAM\_DISABLED: Licensing NVRAM is not available. Grace period will be disabled: [chars]

**Explanation** The Supervisor NVRAM block may have a hardware problem and may need to be replaced

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** LICMGR-2-LOG\_LIC\_VENDOR\_DOWN: License file contains invalid "SERVER" line. Vendor daemon down

**Explanation** Vendor daemon is down

**Recommended Action** Licensing

## LICMGR-3

**Message** LICMGR-3-LOG\_LIC\_FILE\_MISSING: License file(s) missing for feature [chars].

**Explanation** One or more license files for feature [chars] are missing and must be reinstalled.

**Recommended Action** Please install the license file to continue using the feature.

**Message** LICMGR-3-LOG\_LIC\_INVALID\_HOSTID: Invalid license hostid VDH=[chars] for feature [chars].

**Explanation** Feature [chars2] has a license with an invalid license hostid VDH=[chars1]. This can occur if a supervisor card with licensed features for one switch is installed on another switch.

**Recommended Action** No action is required.

**Message** LICMGR-3-LOG\_LIC\_MESSAGE\_ERROR: could not handle message: [chars] of type [dec] from addr [dec]:[dec].

**Explanation** Could not handle a IPC message [chars] of type [dec1] sent by a component running on node [dec2] with sap [dec3].

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** LICMGR-3-LOG\_LIC\_SERVER\_DOWN: License Server Down [dec]

**Explanation** A connection to the license server was lost.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** LICMGR-3-LOG\_LIC\_SPROM\_LIC: Feature [chars] issued [dec] licenses without a valid license file.

**Explanation** Feature [chars] has been licensed [dec] times without a valid license file. This means one or more license files are missing for feature [chars] and must be reinstalled.

**Recommended Action** Please install the license file to continue using the feature.

**Message** LICMGR-3-LOG\_LIC\_TOO\_MANY\_LIC: Only [dec] licenses are supported for [chars] feature, where as [dec] licenses are installed.

**Explanation** More licenses are installed than allowed.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## LICMGR-4

**Message** LICMGR-4-LOG\_LIC\_LICENSE\_EXPIRY\_WARNING: Evaluation license for feature [chars] will expire in [dec] days.

**Explanation** Feature [chars] will exceed its evaluation time period in [dec] days and will be shutdown.

**Recommended Action** Please install the license file to continue using the feature.

## LICMGR-6

**Message** LICMGR-6-LOG\_CHECKPOINT\_CREATED: created during license expiry.

**Explanation** When a license expires, auto checkpoint is created to prevent configuration loss.

**Recommended Action** Rollback can be done to the created checkpoint when a new license is installed.

**Message** LICMGR-6-LOG\_LIC\_FEATURE\_CLEARED: Cleared [dec] license(s) for feature [chars].

**Explanation** Uninstalled [dec] license(s) for feature [chars].

**Recommended Action** Use the show license usage 'command to verify this license feature removal.

**Message** LICMGR-6-LOG\_LIC\_FEATURE\_INSTALLED: Installed [dec] license(s) for feature [chars].

**Explanation** Installed [dec] license(s) for feature [chars].

**Recommended Action** Use the show license usage 'command to verify this license feature removal'.



**Message** LICMGR-6-LOG\_LIC\_LICENSE\_CLEARED\_ALL: Cleared all licenses.

**Explanation** Cleared all license files.

**Recommended Action** No action is required.

**Message** LICMGR-6-LOG\_LIC\_LICENSE\_CLEARED: Cleared license file [chars].

**Explanation** Uninstalled the named license file.

**Recommended Action** Use the show license 'command to verify this license removal'.

**Message** LICMGR-6-LOG\_LIC\_LICENSE\_INSTALLED: Installed license file [chars].

**Explanation** Installed the named license file.

**Recommended Action** Use the show license 'command to verify this license removal'.

## LIM Messages

This section contains the LIM messages.

### LIM-2

**Message** LIM-2-IF\_CRITICAL\_FAILURE: (Debug syslog) Critical failure: [chars], [chars]

**Explanation** There was a critical failure in the component.

**Recommended Action** Please follow instructions on the syslog.

**Message** LIM-2-IF\_DOWN\_ERROR\_DISABLED: Interface [chars] is down (Error disabled. Reason: [chars])

**Explanation** The interface encountered an error while configuring it

**Recommended Action** Collect more information about failed interface using command 'show port internal all interface [char]'. In most cases, you can recover using a 'shutdown' followed a 'noshutdown' on the interface or removing and re-inserting the fibre optic cable.

**Message** LIM-2-IF\_DOWN\_LINK\_FAILURE\_CRIT: Interface [chars] is down (Link failure)

**Explanation** The physical link has gone down

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

**Message** LIM-2-SEQ\_TIMEOUT: Component [chars] timed out on response to opcode [chars] ([chars])

**Explanation** Some component did not respond to a request in stipulated time.

**Recommended Action** None

**Message** LIM-2-SYSLOG\_LIM\_CRITICAL: Critical failure: [chars]

**Explanation** There was a critical failure in the component.

**Recommended Action** Please collect system tech-support

## LIM Messages

### LIM-3

**Message** LIM-3-IF\_DOWN\_CHANNEL\_ERR\_DISABLED: Interface [chars] is down (Channel error disabled)

**Explanation** This interface belongs to a PortChannel and the PortChannel is error disabled

**Recommended Action** Perform 'shut' and 'noshutdown' on the Port Channel interface that it belongs to

**Message** LIM-3-IF\_ERROR\_VLANS\_REMOVED: VLANs [chars] on Interface [chars] are removed from suspended state.

**Explanation** The VLANs on an interface are being removed from the suspended state

**Recommended Action** No action is required.

**Message** LIM-3-IF\_ERROR\_VLANS\_SUSPENDED: VLANs [chars] on Interface [chars] are being suspended. (Reason: [chars])

**Explanation** The VLANs on an interface are being suspended due to some protocol action

**Recommended Action** No action is required.

**Message** LIM-3-IF\_SFP\_ALARM: Interface [chars], [chars]

**Explanation** There was an alarm on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Message** LIM-3-IF\_SFP\_ERROR: Interface [chars], [chars]

**Explanation** There was an error on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Message** LIM-3-IF\_UNSUPPORTED\_TRANSCEIVER: Transceiver on interface [chars] is not supported

**Explanation** The transceiver for the interface specified in the Message is not a Cisco supported module

**Recommended Action** Replace the module with a compatible transceiver. If the transceiver was purchased from Cisco, please contact Cisco TAC to get the transceiver replaced

**Message** LIM-3-IF\_XCVR\_ALARM: Interface [chars], [chars]

**Explanation** There was an alarm on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Message** LIM-3-IF\_XCVR\_ERROR: Interface [chars], [chars]

**Explanation** There was an error on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

## LIM Messages

### LIM-4

**Message** LIM-4-IF\_NON\_QUALIFIED\_TRANSCEIVER: Non-qualified transceiver on interface [chars] was detected

**Explanation** The transceiver for the interface specified has not been qualified on this platform for this software release

**Recommended Action** Replace the module with a supported transceiver. Contact Cisco TAC to get platform transceiver qualification details

**Message** LIM-4-IF\_SFP\_WARNING: Interface [chars], [chars]

**Explanation** There was an warning on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Message** LIM-4-IF\_XCVR\_WARNING: Interface [chars], [chars]

**Explanation** There was an warning on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

## LIM Messages

### LIM-5

**Message** LIM-5-IF\_ADMIN\_UP: Interface [chars] is admin up [chars]

**Explanation** Interface is admin up

**Recommended Action** No action is required.

**Message** LIM-5-IF\_BANDWIDTH\_CHANGE: Interface [chars], bandwidth changed to [chars] Kbit

**Explanation** Bandwidth of the interface (port channel) has changed and this change is updated

**Recommended Action** No action is required.

**Message** LIM-5-IF\_DOWN\_ADMIN\_DOWN: Interface [chars] is down (Administratively down)

**Explanation** Interface has been configured to be administratively down

**Recommended Action** Perform noshutdown"

**Message** LIM-5-IF\_DOWN\_CFG\_CHANGE: Interface [chars] is down(Config change)

**Explanation** FCIP interface temporarily down due to reconfiguration

**Recommended Action** No action is required.

**Message** LIM-5-IF\_DOWN\_CHANNEL\_ADMIN\_DOWN: Interface [chars] is down (Channel admin down)

**Explanation** This interface belongs to a PortChannel and the PortChannel is configured to be administratively down

**Recommended Action** Perform 'no shutdown' on the Port Channel interface that it belongs to

**Message** LIM-5-IF\_DOWN\_CHANNEL\_MEMBERSHIP\_UPDATE\_IN\_PROGRESS: Interface [chars] is down (Channel membership update in progress)

**Explanation** The interface belongs to a PortChannel and a configuration is being attempted on the interface while there is a configuration in progress on the PortChannel

**Recommended Action** Retry the configuration again

**Message** LIM-5-IF\_DOWN\_DOMAIN\_ADDR\_ASSIGN\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to domain id assignment failure)

**Explanation** Isolated due to a failure while assigning a domain

**Recommended Action** No action is required.

**Message** LIM-5-IF\_DOWN\_DOMAIN\_INVALID\_RCF\_RECEIVED: Interface [chars] is down (Isolation due to invalid fabric reconfiguration)

**Explanation** Invalid RCF received

**Recommended Action** No action is required.

**Message** LIM-5-IF\_DOWN\_DOMAIN\_MANAGER\_DISABLED: Interface [chars] is down (Isolation due to domain manager disabled)

**Explanation** Isolated due to domain manager being disabled

**Recommended Action** No action is required.

**Message** LIM-5-IF\_DOWN\_DOMAIN\_MAX\_RETRANSMISSION\_FAILURE: Interface [chars] is down (Isolation due to domain manager other side not responding)

**Explanation** Remote end domain manager not responding

**Recommended Action** No action is required.

**Message** LIM-5-IF\_DOWN\_DOMAIN\_OTHER\_SIDE\_EPORT\_ISOLATED: Interface [chars] is down (Isolation due to domain other side eport isolated)

**Explanation** Isolating this interface due to the remote end being isolated

**Recommended Action** No action is required.

**Message** LIM-5-IF\_DOWN\_DOMAIN\_OVERLAP\_ISOLATION: Interface [chars] is down (Isolation due to domain overlap)

**Explanation** Isolated due to domain overlap

**Recommended Action** No action is required.

**Message** LIM-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to ELP failure)

**Explanation** ELP failed on the interface

**Recommended Action** Check the output of 'show port internal info' in the 'ELP failure reason' field

**Message** LIM-5-IF\_DOWN\_EPP\_FAILURE: Interface [chars] is down (Error Disabled - EPP Failure)

**Explanation** Trunk protocol failed

**Recommended Action** 'show port internal event-history msgs' will indicate the trunk protocol exchanges to determine why it failed

**Message** LIM-5-IF\_DOWN\_ESC\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to ESC failure)

**Explanation** ESC failed on the interface

**Recommended Action** Check the output of 'show port internal event-history' to determine the ESC protocol exchanges to determine how it failed

**Message** LIM-5-IF\_DOWN\_ETH\_IF\_DOWN: Interface [chars] is down(Tunnel port src interface down)

**Explanation** Ethernet link to which the FCIP interface is bound is down

**Recommended Action** Ensure that the ethernet cable is connected, the interface is administratively enabled

**Message** LIM-5-IF\_DOWN\_ETH\_LINK\_DOWN: Interface [chars] is down(Tunnel port src interface link down)

**Explanation** Ethernet link to which the FCIP interface is bound is down

**Recommended Action** Ensure that the ethernet cable is connected and the remote end is also active

**Message** LIM-5-IF\_DOWN\_FCOT\_NOT\_PRESENT: Interface [chars] is down (FCOT not present)

**Explanation** The FCOT has been removed

**Recommended Action** Insert an FCOT

**Message** LIM-5-IF\_DOWN\_FCOT\_VENDOR\_NOT\_SUPPORTED: Interface [chars] is down (Error disabled - Fcot vendor not supported)

**Explanation** Fcot inserted is not a supported one

**Recommended Action** Please contact customer support for a list of authorized transceiver vendors

**Message** LIM-5-IF\_DOWN\_HW\_FAILURE: Interface [chars] is down (Hardware Failure)

**Explanation** The modules hardware has failed

**Recommended Action** Collect more information about failed module using command show module internal all module

**Message** LIM-5-IF\_DOWN\_INACTIVE: Interface [chars] is down (Inactive)

**Explanation** The port VSAN has been suspended or deleted

**Recommended Action** Assign a new active port VSAN to the interface

**Message** LIM-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_MODE: Interface [chars] is down (Error disabled - Incompatible admin port mode)

**Explanation** The configured mode is not supported on this interface

**Recommended Action** Perform a 'show port internal info' to determine the list of modes supported on this interface

**Message** LIM-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_RXBBREDIT: Interface [chars] is down (Error disabled - Incompatible admin port rxbbcredit)

**Explanation** The configured receive B2B credit size is not supported

**Recommended Action** Get the allowed receive B2B credit size from 'show port internal info'

**Message** LIM-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_RXBUFSIZE: Interface [chars] is down (Error disabled - Incompatible admin port rxbufsize)

**Explanation** The configured receive buffer size is not supported

**Recommended Action** Get the allowed receive buffer size from 'show port internal info'

**Message** LIM-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_SPEED: Interface [chars] is down (Error disabled - Incompatible admin port speed)

**Explanation** The configured speed is not supported on this interface

**Recommended Action** Perform a 'show port internal info' to determine the range of speed supported on this interface

**Message** LIM-5-IF\_DOWN\_INITIALIZING: Interface [chars] is down (Initializing)

**Explanation** The interface is in the process of coming up

**Recommended Action** If the interface is stuck in this state for a while, check the output of 'show port internal event-history' to determine what it is waiting for.

**Message** LIM-5-IF\_DOWN\_INTERFACE\_REMOVED: Interface [chars] is down (Interface removed)

**Explanation** Interface removed

**Recommended Action** No action is required.

**Message** LIM-5-IF\_DOWN\_LINK\_FAILURE: Interface [chars] is down (Link failure)

**Explanation** The physical link has gone down

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

**Message** LIM-5-IF\_DOWN\_LOOPBACK\_DIAG\_FAILURE: Interface [chars] is down (Diag failure)

**Explanation** Diag failed on the interface

**Recommended Action** Collect more information about failed interface using command 'attach module' to connect to module

**Message** LIM-5-IF\_DOWN\_LOOPBACK\_ISOLATION: Interface [chars] is down (Isolation due to port loopback to same switch)

**Explanation** The interface is looped back to another interface on the same switch

**Recommended Action** Check the connectivity of this interface and ensure that it is connected to another switch

**Message** LIM-5-IF\_DOWN\_MODULE\_REMOVED: Interface [chars] is down (module removed)

**Explanation** Interface is down because the module was removed

**Recommended Action** No action is required.

**Message** LIM-5-IF\_DOWN\_NONE: Interface [chars] is down ([chars])

**Explanation** Interface is down with a possible reason.

**Recommended Action** Collect more information about port using command 'show port internal info/event-history' to determine why it went down



**Message** LIM-5-IF\_DOWN\_NON\_PARTICIPATING: Interface [chars] is down (Non participating)

**Explanation** The loop port has been put into non participating mode

**Recommended Action** No action is required.

**Message** LIM-5-IF\_DOWN\_OFFLINE: Interface [chars] is down (Offline)

**Explanation** The interface has been placed into the offline state

**Recommended Action** No action is required.

**Message** LIM-5-IF\_DOWN\_PARENT\_ADMIN\_DOWN: Interface [chars] is down (Parent interface down)

**Explanation** Parent interface is down

**Recommended Action** No action is required.

**Message** LIM-5-IF\_DOWN\_PEER\_CLOSE: Interface [chars] is down(TCP conn. closed by peer)

**Explanation** The FCIP peer connected to this interface closed the TCP connection

**Recommended Action** This command will provide the peer IP address of this FCIP interface: show interface. Check to see why the peer closed the TCP connection

**Message** LIM-5-IF\_DOWN\_PEER\_RESET: Interface [chars] is down(TCP conn. reset by peer)

**Explanation** TCP connection to the FCIP peer got reset

**Recommended Action** The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Check to see why the peer reset the TCP connection

**Message** LIM-5-IF\_DOWN\_PORT\_CHANNEL\_MEMBERS\_DOWN: Interface [chars] is down (No operational members)

**Explanation** This is a PortChannel interface and all its members are operationally down

**Recommended Action** Enable at least one of the PortChannel members'

**Message** LIM-5-IF\_DOWN\_PORT\_VSAN\_MISMATCH\_ISOLATION: Interface [chars] is down (Isolation due to port vsan mismatch)

**Explanation** Isolated due to a mismatch in the configured port VSAN of the local and remote ends

**Recommended Action** Configure the port VSAN of the local and remote interfaces to be the same and perform a shutdown' and a 'noshutdown"

**Message** LIM-5-IF\_DOWN\_RCF\_IN\_PROGRESS: Interface [chars] is down (RCF in progress)

**Explanation** There is an RCF in progress

**Recommended Action** No action is required.

**Message** LIM-5-IF\_DOWN\_SOFTWARE\_FAILURE: Interface [chars] is down (Port software failure)

**Explanation** The software servicing the data path on the port has failed

**Recommended Action** No action is required.

**Message** LIM-5-IF\_DOWN\_SRC\_MOD\_NOT\_ONLINE: Interface [chars] is down(Tunnel source module not online)

**Explanation** Module that has the tunnel source port of this FCIP interface is not fully online

**Recommended Action** The module that has the tunnel src port is coming online. Please use show mod to find module status

**Message** LIM-5-IF\_DOWN\_SRC\_PORT\_NOT\_BOUND: Interface [chars] is down (Tunnel port src interface unbound)

**Explanation** Tunnel port source interface unbound

**Recommended Action** No action is required.

**Message** LIM-5-IF\_DOWN\_SRC\_PORT\_REMOVED: Interface [chars] is down(Tunnel src port removed)

**Explanation** Tunnel source port of this FCIP interface has been removed

**Recommended Action** The src interface with ip address that matches the ip address of the bound entity is removed. This happens normally due to the module on which the src interface exists is removed

**Message** LIM-5-IF\_DOWN\_SUSPENDED\_BY\_MODE: Interface [chars] is down (Suspended due to incompatible mode)

**Explanation** This interface belongs to a PortChannel and operational mode of the interface is different from that of the PortChannel

**Recommended Action** Change the mode and the trunking mode of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

**Message** LIM-5-IF\_DOWN\_SUSPENDED\_BY\_SPEED: Interface [chars] is down (Suspended due to incompatible speed)

**Explanation** This interface belongs to a PortChannel and operational speed mode of the interface is different from that of the PortChannel

**Recommended Action** Change the speed of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

**Message** LIM-5-IF\_DOWN\_SUSPENDED\_BY\_WWN: Interface [chars] is down (Suspended due to incompatible remote switch WWN)

**Explanation** This interface belongs to a PortChannel and remote switch WWN of the interface is different from that of the PortChannel

**Recommended Action** Ensure that this interface is connected to the same remote switch as all the other interfaces in the PortChannel

**Message** LIM-5-IF\_DOWN\_SUSPENDED: Interface [chars] is down (Suspended)

**Explanation** This interface belongs to a PortChannel and has been suspended due to an error while bringing it up

**Recommended Action** Perform a 'shutdown' and a 'nosshutdown'. If this happens again obtain output of 'show port internal info/event-history' on the interface'

**Message** LIM-5-IF\_DOWN\_TCP\_KEEP\_ALIVE\_EXPIRED: Interface [chars] is down(TCP conn. closed - Keep alive expired)

**Explanation** TCP session to the FCIP peer got closed due to loss of TCP keep alive

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: 'show interface', 'show ip route'. Please do a trace route to check the connectivity to the peer using command: 'trace route ip addr'

**Message** LIM-5-IF\_DOWN\_TCP\_MAX\_RETRANSMIT: Interface [chars] is down(TCP conn. closed - retransmit failure)

**Explanation** Interface is down due to maximum retransmission failure

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** LIM-5-IF\_DOWN\_TCP\_PERSIST\_TIMER\_EXPIRED: Interface [chars] is down(TCP conn. closed - Persist timer expired)

**Explanation** TCP session to the FCIP peer closed because TCP persist timer expired

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** LIM-5-IF\_DOWN\_UPGRADE\_IN\_PROGRESS: Interface [chars] is down (Linecard upgrade in progress)

**Explanation** Upgrade of the linecard software is in progress

**Recommended Action** No action is required.

**Message** LIM-5-IF\_DOWN\_VRF\_UNUSABLE: Interface [chars] is down (Vrf down)

**Explanation** The VRF for which this interface is a member is removed

**Recommended Action** No action is required.

**Message** LIM-5-IF\_DOWN\_VSAN\_MISMATCH\_ISOLATION: Interface [chars] is down (Isolation due to vsan mismatch)

**Explanation** This is a trunking interface and the VSANs configured do not match with the VSANs configured on the remote end

**Recommended Action** Check the VSANs configured on the local end with the remote end

**Message** LIM-5-IF\_DOWN\_ZONE\_MERGE\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to zone merge failure)

**Explanation** Isolated due to a failure during zone merge

**Recommended Action** No action is required.

**Message** LIM-5-IF\_DOWN\_ZONE\_REMOTE\_NO\_RESP\_ISOLATION: Interface [chars] is down (Isolation due to remote zone server not responding)

**Explanation** Isolated due to remote zone server not responding

**Recommended Action** No action is required.

**Message** LIM-5-IF\_DUPLEX: Interface [chars], operational duplex mode changed to [chars]

**Explanation** Operational duplex mode has changed when link came up

**Recommended Action** No action is required.

**Message** LIM-5-IF\_ERRDIS\_RECOVERY: Interface [chars] is being recovered from error disabled state (Last Reason:[chars])

**Explanation** Interface is being recovered from error disabled state

**Recommended Action** No action is required.

**Message** LIM-5-IF\_HARDWARE: Interface [chars], hardware type changed to [chars]

**Explanation** There was a change in the hardware characteristic of an interface, such as a transceiver module plugged in or removed

**Recommended Action** No action is required.

**Message** LIM-5-IF\_L2MP\_MODE: Interface [chars], l2mp-mode changed to [chars]

**Explanation** The l2mp-mode on the port has changed

**Recommended Action** No action is required.

**Message** LIM-5-IF\_RX\_FLOW\_CONTROL: Interface [chars], operational Receive Flow Control state changed to [chars]

**Explanation** Operational receive flow control has changed when link came up

**Recommended Action** No action is required.

**Message** LIM-5-IF\_TRUNK\_DOWN: Interface [chars], vlan [chars] down

**Explanation** Interface [chars] is trunking, VLANs [chars] are down

**Recommended Action** The following commands will help determine why this VSAN is down on this interface: show interface, show port internal info interface VSAN, show port internal event-history interface vsan

**Message** LIM-5-IF\_TRUNK\_UP: Interface [chars], vlan [chars] up

**Explanation** Interface [chars] is trunking, VLANs [chars] are up

**Recommended Action** No action is required.

**Message** LIM-5-IF\_TX\_FLOW\_CONTROL: Interface [chars], operational Transmit Flow Control state changed to [chars]

**Explanation** Operational transmit flow control has changed when link came up

**Recommended Action** No action is required.

**Message** LIM-5-IF\_UP: Interface [chars] is up [chars]

**Explanation** Interface is up in mode specified, if applicable

**Recommended Action** No action is required.

**Message** LIM-5-SPEED: Interface [chars], operational speed changed to [chars]

**Explanation** Operational speed has changed when link came up

**Recommended Action** No action is required.

**Message** LIM-5-STORM\_CONTROL\_ABOVE\_THRESHOLD: Traffic in port [chars] exceeds the configured threshold [chars]

**Explanation** Traffic on specified port is beyond the configured storm-control threshold, and the excess traffic is being dropped

**Recommended Action** Identify source of traffic storm

**Message** LIM-5-STORM\_CONTROL\_BELOW\_THRESHOLD: Traffic in port [chars] has fallen below the configured threshold [chars]

**Explanation** Traffic on specified port has returned to within configured storm-control threshold

**Recommended Action** No action is required.

## LIT Messages

This section contains the LIT messages.

## LIT-6

**Message** LIT-6-LIT\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## LLDP Messages

This section contains the LLDP messages.

### LLDP-1

**Message** LLDP-1-NO\_DCBX\_ACKS\_RECV\_FOR\_LAST\_10\_PDUs: No Acks have been received on Interface [chars] for last [dec] DCBX PDUs

**Explanation** No acknowledgment received.

**Recommended Action** No action is required.

### LLDP-3

**Message** LLDP-3-DETECT\_MULTIPLE\_PEERS: Multiple peers detected on [chars]

**Explanation** Multiple peers detected on an interface

**Recommended Action** No action is required.

**Message** LLDP-3-INVALID\_DCBXP\_RECEIVED: Received an invalid DCBXP on [chars]

**Explanation** Received an invalid DCBXP on an interface

**Recommended Action** No action is required.

**Message** LLDP-3-INVALID\_LLDP\_RECEIVED: Received an invalid LLDP on [chars]

**Explanation** Received an invalid LLDP on an interface

**Recommended Action** No action is required.

**Message** LLDP-3-LLDP\_INTERNAL\_ERROR: LLDP internal error: [chars]

**Explanation** Internal error is encountered

**Recommended Action** No action is required.

## LLDP-5

**Message** LDP-5-LDP\_DISABLED: LDP Disabled

**Explanation** MPLS\_LDP Service Disabled

**Recommended Action** No action is required.

**Message** LDP-5-LDP\_ENABLED: LDP Enabled

**Explanation** MPLS\_LDP Service enabled

**Recommended Action** Contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## LLDP-6

**Message** LLDP-6-DETECT\_REMOTE\_CHANGE: Remote change detected on [chars]

**Explanation** Remote change detected on an interface

**Recommended Action** No action is required.

**Message** LLDP-6-DETECT\_REMOTE\_DCBXP\_CHANGE: Remote DCBXP change detected on [chars]

**Explanation** Remote DCBXP change detected on an interface

**Recommended Action** No action is required.





## M to R

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This chapter includes system messages for the Cisco NX-OS MDS 9000 families of switches. The messages are listed in alphabetical order by the system facility that produces them. Within each system facility section, messages are listed alphabetically by severity and mnemonics. Each message is followed by an explanation and a recommended action.

### M2FIB Messages

This section contains the M2FIB messages.

#### M2FIB-SLOT#-0

**Message** M2FIB-SLOT#-0-CLI\_INIT\_FAILED: CLI library initialization failed!

**Explanation** M2FIB failed to initialize CLI infrastructure's backend library. This is a fatal error.

**Recommended Action** No action is required.

**Message** M2FIB-SLOT#-0-TIMER\_INIT\_FAILED: Timer subsystem initialization failed!

**Explanation** M2FIB failed to initialize timer library. This is a fatal error.

**Recommended Action** No action is required.

#### M2FIB-SLOT#-2

**Message** M2FIB-SLOT#-2-M2FIB\_MAC\_TBL\_PRGMING: Failed to program the mac table on FE [dec] for group: FTAG [dec], ([dec] (BD [dec]), \*, [chars]). Error: [chars]. To avoid multicast traffic loss, disable OMF using the CLI: "no ip igmp snooping optimise-multicast-flood"

**Explanation** Failed to program the mac table. This is a critical failure please check m2fib error transactions

**Recommended Action** No action is required.

**Message** M2FIB-SLOT#-2-M2FIB\_MEM\_ALLOC: Memory allocation failed. [chars]

**Explanation** Memory allocation failed. This is a critical failure

**Recommended Action** No action is required.

**Message** M2FIB-SLOT#-2-VLAN\_NOT\_FOUND: M2fib recvd invalid vlan!

**Explanation** M2FIB failed to process the route update as the vlan recvd was invalid

**Recommended Action** No action is required.

## M2FIB-SLOT#-6

**Message** M2FIB-SLOT#-6-INITIALIZED: Internal state created [chars]

**Explanation** M2FIB has created its internal state stateless/stateful [chars].

**Recommended Action** No action is required.

**Message** M2FIB-SLOT#-6-VDC\_CREATED: VDC [dec] created

**Explanation** Request to create VDC [dec] in M2FIB was successful.

**Recommended Action** No action is required.

**Message** M2FIB-SLOT#-6-VDC\_REMOVED: VDC [dec] Removed

**Explanation** M2FIB has successfully removed VDC [dec] from its databases.

**Recommended Action** No action is required.

**Message** M2FIB-SLOT#-6-VDC\_VLAN\_CREATED: VLAN [dec] created in VDC [dec]

**Explanation** M2FIB has added VLAN [dec] in VDC [dec].

**Recommended Action** No action is required.

**Message** M2FIB-SLOT#-6-VDC\_VLAN\_REMOVED: VLAN [dec] removed from VDC [dec]

**Explanation** M2FIB has successfully removed VLAN [dec] from VDC [dec].

**Recommended Action** No action is required.

## M2RIB Messages

This section contains the M2RIB messages.

### M2RIB-0

**Message** M2RIB-0-CLI\_INIT\_FAILED: CLI library initialization failed!

**Explanation** M2RIB failed to initialize CLI infrastructure's backend library. This is a fatal error.

**Recommended Action** No action is required.

### M2RIB-2

**Message** M2RIB-2-FLOOD\_PROG\_ERR1: Prev:[chars], Collect console logs and output of show tech-support m2rib

**Explanation** M2RIB has hit flood PROG error. Collect output of show tech-support m2rib for further analysis

**Recommended Action** No action is required.

**Message** M2RIB-2-FLOOD\_PROG\_ERR2: Curr:[chars], Collect console logs and output of show tech-support m2rib

**Explanation** M2RIB has hit flood prog error. Collect output of show tech-support m2rib for further analysis

**Recommended Action** No action is required.

**Message** M2RIB-2-IPC\_PROCESSING\_ERR: Error in processing IPC message: Opcode = [dec], Error code = [hex]

**Explanation** M2RIB encountered an error in processing an MTS message. The error and message are specified in the Message

**Recommended Action** No action is required.

**Message** M2RIB-2-M2RIB\_INIT: M2RIB initialization of [chars] [chars]

**Explanation** M2RIB initialization failed

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** M2RIB-2-MFDM\_API\_ERROR: ERROR PROG FLOOD ROUTES: Status:[chars]  
 Msg\_Ref\_State:[hex] Prev\_Count:[dec] Curr\_Count:[dec] Prev\_Msg:[hex]  
 Curr\_Msg:[hex], Collect output of show tech-support m2rib

**Explanation** MFDM returned Failure for flood programming. Collect output of show tech-support m2rib for further analysis

**Recommended Action** No action is required.

**Message** M2RIB-2-MFDM\_TIMEOUT\_ERR: M2RIB timed out waiting for MFDM: Transaction:  
 %p, Transaction entry: [chars]

**Explanation** Transaction timer for the message sent from M2RIB to MFDM has expired. Ack not received from MFDM.

**Recommended Action** No action is required.

## M2RIB-6

**Message** M2RIB-6-INITIALIZED: Internal state created [chars]

**Explanation** M2RIB has created its internal state stateless/stateful [chars].

**Recommended Action** No action is required.

**Message** M2RIB-6-SERVICE\_UP: Initialized [chars]

**Explanation** M2RIB line 2.

No action is required.

## MAC Messages

This section contains the MAC messages.

### MAC-SLOT#-2

**Message** MAC-SLOT#-2-MAC\_INFO: [chars]

**Explanation** MAC Informational message

**Recommended Action** No action is required.

## MCAST Messages

This section contains the MCAST messages.

## MCAST-2

**Message** MCAST-2-SHUTDOWN: Process shutting down: [chars]

**Explanation** Mcast is shutting down

**Recommended Action** The action depends on the situation. The multicast process can shut down gracefully because of a system restart (in which case no action needs to take place) or because of a failure. The message associated with the syslog should be self explanatory to understand the reason for the shutdown. If the process is able to restart properly, there is no immediate harm for the system stability and the suggested action is to report the syslog event together with an explanation of the operations most recently performed on the system.

## MCAST-4

**Message** MCAST-4-ERROR: [chars]

**Explanation** Mcast encountered a generic error

**Recommended Action** No action is required.

## MCAST-5

**Message** MCAST-5-BAD\_MSG: Received bad message: [chars]

**Explanation** Mcast has received a malformed/unrecognized message

**Recommended Action** No action is required.

**Message** MCAST-5-START: Process has been started

**Explanation** Mcast has been started

**Recommended Action** No action is required.

## MCECTEST Messages

This section contains the MCECTEST messages.

## MCECTEST-3

**Message** MCECTEST-3-ASSERTION\_FAILED: [chars]

**Explanation** MCECTEST has hit an assert condition at file [chars]

**Recommended Action** No action is required.

**Message** MCECTEST-3-INIT\_FAIL: [chars]

**Explanation** MCECTEST Initialization failed. due to [chars]

**Recommended Action** No action is required.

**Message** MCECTEST-3-INTERNAL\_ERR: [chars]

**Explanation** MCECTEST encountered an internal error due to [chars]

**Recommended Action** No action is required.

**Message** MCECTEST-3-MTS\_ERR: [chars]

**Explanation** MCECTEST encountered an MTS error due to [chars]

**Recommended Action** No action is required.

## MCECTEST-5

**Message** MCECTEST-5-MCECTEST\_DISABLED: MCECTEST Disabled

**Explanation** MCECTEST Service Disabled

**Recommended Action** No action is required.

**Message** MCECTEST-5-MCECTEST\_ENABLED: MCECTEST Enabled

**Explanation** MCECTEST Service enabled

**Recommended Action** No action is required.

## MCECTEST-6

**Message** MCECTEST-6-INTERNAL\_INFO: [chars]

**Explanation** MCECTEST got an internal info [chars]

**Recommended Action** No action is required.

## MCM Messages

This section contains the MCM messages.

## MCM-2

**Message** MCM-2-MCM\_CRITICAL\_ERROR: Internal Critical Error

**Explanation** Some critical error

**Recommended Action** No action is required.

**Message** MCM-2-MCM\_REPLICATION\_DISABLED: Proxy layer-3 modules are not available for replication. Proxy layer-3 multicast replication is disabled.

**Explanation** Replication is disabled

**Message** No action is required.MCM-2-MCM\_REQ\_RESP\_ERROR: Error ([hex]: [chars]) while communicating with component: [chars], opcode: [chars] (for: [chars])

**Explanation** Error in request-response handshake

**Recommended Action** No action is required.

**Message** MCM-2-MCM\_ROUTING\_DISABLED: Proxy layer-3 modules are not available for routing. Proxy layer-3 forwarding is disabled.

**Explanation** Routing is disabled

**Recommended Action** No action is required.

## MCM-5

**Message** MCM-5-MCM\_SDB\_UPDATE\_FAILED: sdb update failed with ret\_val [dec]

**Explanation** SDB updated failed for MCM

**Recommended Action** No action is required.

## MCM-6

**Message** MCM-6-MCM\_REPLICATION\_ENABLED: Proxy layer-3 modules are UP and available for replication. Proxy layer-3 multicast replication is enabled.

**Explanation** Replication is enabled

**Recommended Action** No action is required.

**Message** MCM-6-MCM\_ROUTING\_ENABLED: Proxy layer-3 modules are UP and available for routing. Proxy layer-3 forwarding is enabled.

**Explanation** Routing is enabled

**Recommended Action** No action is required.

## METROPOLIS\_USD Messages

This section contains the METROPOLIS\_USD messages.

### METROPOLIS\_USD-3

**Message** METROPOLIS\_LOG\_ERR\_METRO\_MSG1: Rewrite engine CRC error seen on instance %d , port\_list %s

**Explanation** Metropolis received packets with CRC error

**Recommended Action** Use another optical cable and transceivers. If the problem still persists, change the peer ports, such as the remote port to another or the local port to another. Run the commands 'diagnostic start module <mod> test all' and 'show diagnostic result module <mod> test all detail'. The result will display the information about the failures in HW, if any.

## MFDM Messages

This section contains the MFDM messages.

### MFDM-2

**Message** MFDM-2-DI\_REUSE: LTL node exists with DI [dec] oiflist\_index [dec] type [dec] and same DI returned for oiflist\_index [dec] type [dec] Please collect show tech-support forwarding distribution l2/l3 multicast and show tech-support pixm.

**Explanation** PIXM returned duplicate DI.

**Recommended Action** No action is required.

**Message** MFDM-2-DOWNLOAD\_TIMEOUT: Download of L2/L3 route databases timed out : download\_in\_progress\_slots [hex] for database [chars] [chars] [chars]

**Explanation** Download of L2/L3 route databases timed out. Download triggered by VMM insert request.

**Recommended Action** No action is required.



**Message** MFDM-2-INTERNAL\_ERROR: MFDM-[chars] Internal error: show system internal mfdm errors for more information

**Explanation** MFDM PD hit a internal error. show system internal mfdm errors for further analysis.

**Recommended Action** No action is required.

**Message** MFDM-2-LC\_ACK\_TIMEOUT: Ack from slot:[chars] timeout - xid:[hex], opcode:[chars], [chars].

**Explanation** Response from LC timeout for update

**Recommended Action** No action is required.

**Message** MFDM-2-REF\_OUTOFSYNC: In Decrement ltl\_node ref\_count: [dec] is less than count: [dec] passed in for DI: [hex], oiflist\_index: [dec], type: [dec]. Possible PI/PD refcount out-of-sync. Please collect show tech-support forwarding distribution l2/13 multicast and show tech-support pixm.

**Explanation** MFDM PI/PD refcount out-of-sync

**Recommended Action** No action is required.

**Message** MFDM-2-XID\_TAMPERED: Correcting xid in resp - rrtoken:[hex], req(xid:[dec], rt\_cnt:[dec], msg\_len:[dec], flag:[dec]), resp(xid:[dec], rt\_cnt:[dec], msg\_len:[dec], flag:[dec])

**Explanation** MFDM tampered xid in OTV response payload

**Recommended Action** No action is required.

## MODULE Messages

This section contains the MODULE messages.

### MODULE-2

**Message** MODULE-2-LCM\_PRE\_UPGRADE\_GENERAL\_FAIL: Pre upgrade message fails seq [dec]

**Explanation** pre- upgrade message failed.

**Recommended Action** No action is required.

**Message** MODULE-2-LCM\_UPGRADE\_DONE\_GENERAL\_FAIL: Upgrade done message fails SAP [chars]

**Explanation** Upgrade ready message failed.

**Recommended Action** No action is required.

**Message** MODULE-2-LCM\_UPGRADE\_OVER\_FAIL: Upgrade over message returned [dec] [hex] for SAP [dec]

**Explanation** Upgrade done message failed.

**Recommended Action** No action is required.

**Message** MODULE-2-LCM\_UPGRADE\_READY\_FAIL: Upgrade ready message returned [dec] [hex] for SAP [dec]

**Explanation** Upgrade ready message failed.

**Recommended Action** No action is required.

**Message** MODULE-2-LCM\_UPGRADE\_READY\_GENERAL\_FAIL: Upgrade ready message fails SAP [chars]

**Explanation** Upgrade ready message failed.

**Recommended Action** No action is required.

**Message** MODULE-2-MOD\_DIAG\_FAIL: Module [dec] (Serial number: [chars]) reported failure [chars] due to [chars] in device [chars] (device error [hex])

**Explanation** The module in slot [decimal digit] reported a failure in the runtime diagnostic. Module manager is going to power cycle the module.

**Recommended Action** Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

**Message** MODULE-2-MOD\_DNLD\_FAIL: Image download failed for module [dec] (Serial number: [chars])

**Explanation** Module [decimal digit] failed to download a new image from the supervisor.

**Recommended Action** Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

**Message** MODULE-2-MOD\_FAILURE: Re-initializing module [dec] (Serial number: [chars]) failed. Received lc\_failed from sap [hex] failure reason [hex]

**Explanation** Module [decimal digit] reported a failure during the initialization phase and will be rebooted.

**Recommended Action** Collect information about the module by issuing the commands 'show module\_internal all module '.

**Message** MODULE-2-MOD\_FAILURE: Re-initializing module [dec] (Serial number: [chars]) failed. Received lc\_failed from sap [hex] failure reason [hex]

**Explanation** Module [decimal digit] reported a failure during the initialization phase and will be rebooted.

**Recommended Action** Collect information about the module by issuing the commands show module\_internal all module <module> number

**Message** MODULE-2-MOD\_FAIL: Initialization of module [dec] (Serial number: [chars]) failed

**Explanation** Module [decimal digit] reported a failure during the initialization phase and will be powered down.

**Recommended Action** Collect information about the module by issuing the commands 'show module\_internal all module '.

**Message** MODULE-2-MOD\_MAJORSWFAIL: Module [dec] (Serial number: [chars]) reported a critical failure in service [chars]

**Explanation** A critical failure in service [string] happened at module [decimal digit] is going to reset the module [decimal digit].

**Recommended Action** Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

**Message** MODULE-2-MOD\_MINORSWFAIL: Module [dec] (Serial number: [chars]) reported a failure in service [chars]

**Explanation** A non-critical failure in service [string] happened at module [decimal digit] is not going to reset the module [decimal digit].

**Recommended Action** Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

**Message** MODULE-2-MOD\_NOT\_ALIVE: Module [dec] not responding... resetting (Serial number: [chars])

**Explanation** Module [decimal digit] is not replying to the hello message: module manager is then going to reset the module.

**Recommended Action** No action is required.

**Message** MODULE-2-MOD\_REGFAILED: Registration failed for module [dec]

**Explanation** Module [decimal digit] sent the registration message notifying a failure.

**Recommended Action** Collect module internal information by issuing the command 'show module internal all module [decimal digit]'.

**Message** MODULE-2-MOD\_SOMEPORTS\_FAILED: Module [dec] (Serial number: [chars]) reported failure on ports [dec]/[dec]-[dec]/[dec] ([chars]) due to [chars] in device [chars] (error [hex])

**Explanation** Module [decimal digit] reported a failure in the runtime diagnostic due to failure in some of the ports.

**Recommended Action** Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

**Message** MODULE-2-MOD\_UNKNOWN: Module type [[dec]] in slot [dec] is not supported

**Explanation** The software card id of module [decimal digit] is not supported by the supervisor.

**Recommended Action** Collect information about the module by issuing the commands 'show module internal all module [decimal digit]'

**Message** MODULE-2-XBAR\_DIAG\_FAIL: Xbar [dec] (Serial number: [chars]) reported failure [chars] due to [chars] in device [chars] (device error [hex])

**Explanation** The xbar in slot [decimal digit] reported a failure in the runtime diagnostic. Module manager is going to power cycle the module.

**Recommended Action** Collect information about the module by issuing the command 'show module internal all xbar [decimal digit]'.

**Message** MODULE-2-XBAR\_FAILURE: Re-initializing xbar [dec] (Serial number: [chars]) failed. Received lc\_failed from sap [hex] failure reason [hex]

**Explanation** Xbar [decimal digit] reported a failure during the initialization phase and will be rebooted.

**Recommended Action** Collect information about the module by issuing the commands 'show module\_internal all xbar '.

**Message** MODULE-2-XBAR\_FAILURE: Re-initializing xbar [dec] (Serial number: [chars]) failed. Received lc\_failed from sap [hex] failure reason [hex]

**Explanation** Xbar [decimal digit] reported a failure during the initialization phase and will be rebooted.

**Recommended Action** Collect information about the module by issuing the commands show module\_internal all xbar <module> number

**Message** MODULE-2-XBAR\_FAIL: Initialization of xbar [dec] (Serial number: [chars]) failed

**Explanation** Xbar [decimal digit] reported a failure during the initialization phase and will be powered down.

**Recommended Action** Collect information about the module by issuing the commands 'show module\_internal all xbar '.

**Message** MODULE-2-XBAR\_SOMEPORTS\_FAILED: Xbar [dec] (Serial number: [chars]) reported failure on ports [dec]/[dec]-[dec]/[dec] ([chars]) due to [chars] in device [chars] (error [hex])

**Explanation** Xbar [decimal digit] reported a failure in the runtime diagnostic due to failure in some of the ports.

**Recommended Action** Collect information about the module by issuing the command 'show module internal all xbar [decimal digit]'. '.

**Message** MODULE-2-XBAR\_SOMEPORTS\_FAILED: Xbar [dec] (Serial number: [chars]) reported failure on ports [dec]/[dec]-[dec]/[dec] ([chars]) due to [chars] in device [chars] (error [hex])

**Explanation** Xbar [decimal digit] reported a failure in the runtime diagnostic due to failure in some of the ports.

**Recommended Action** Collect information about the module by issuing the command show module internal all xbar [decimal digit]'. '.

**Message** MODULE-2-XBAR\_UNKNOWN: Xbar type [[dec]] in slot [dec] is not supported

**Explanation** The software card id of xbar [decimal digit] is not supported by the supervisor.

**Recommended Action** Collect information about the module by issuing the commands 'show module internal all xbar [decimal digit]'.

## MODULE-3

**Message** MODULE-3-LCM\_SEQ\_ERROR: Error ([chars]) for slot:[dec] while communicating with component [chars] opcode:[chars] (for:[dec])

**Explanation** LCM encountered an error while executing a sequence for a module.

**Recommended Action** No action is required.

**Message** MODULE-3-LCM\_SYSLOG\_ERR: [chars]

**Explanation** LCM encountered an error while processing a message for module.

**Recommended Action** No action is required. '

**Message** MODULE-3-MOD\_SRG\_NOT\_COMPATIBLE: Module [dec] (Serial number: [chars]) firmware is not compatible with supervisor, downloading new image

**Explanation** The software version of module [decimal digit] is not supported by the supervisor.

**Recommended Action** Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

## MODULE-4

**Message** MODULE-4-MOD\_WARNING: Module [dec] (Serial number: [chars]) reported warning [chars] due to [chars] in device [chars] (device error [hex])

**Explanation** Module [decimal digit] reported a warning in the runtime diagnostic due to failure in some of the ports.

**Recommended Action** Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

**Message** MODULE-4-XBAR\_WARNING: Xbar [dec] (Serial number: [chars]) reported warning [chars] due to [chars] in device [chars] (device error [hex])

**Explanation** Xbar [decimal digit] reported a warning in the runtime diagnostic due to failure in some of the ports.

**Recommended Action** Collect information about the module by issuing the command 'show module internal all xbar [decimal digit]'.

## MODULE-5

**Message** MODULE-5-ACTIVE\_SUP\_OK: Supervisor [dec] is active (Serial number: [chars])

**Explanation** Module [decimal digit] is ready to be configured and be able to switch traffic.

**Recommended Action** No action is required.

**Message** MODULE-5-LCM\_MODULE\_UPGRADE\_END: Upgrade of module [dec] ended

**Explanation** Upgrade of the module has ended.

**Recommended Action** No action is required.

**Message** MODULE-5-LCM\_MODULE\_UPGRADE\_START: Upgrade of module [dec] started

**Explanation** Upgrade of the module has been started by installer

**Recommended Action** No action is required.

**Message** MODULE-5-MOD\_OK: Module [dec] is online (Serial number: [chars])

**Explanation** Module [decimal digit] is ready to be configured and be able to switch traffic.

**Recommended Action** No action is required.

**Message** MODULE-5-MOD\_REINIT: Re-initializing module [dec] (Serial number: [chars])

**Explanation** Module [decimal digit] reported a failure during the initialization phase and will be rebooted.

**Recommended Action** Collect information about the module by issuing the commands show module\_internal all module <module> number

**Message** MODULE-5-MOD\_RESTART: Module [dec] is restarting after image download

**Explanation** Module [decimal digit] completed image download and is restarting.

**Recommended Action** No action is required.

**Message** MODULE-5-MOD\_STARTUP\_CFG\_MISMATCH: The startup configuration cannot be applied to a different module type for module [dec] (Serial number: [chars]). [chars] module is replacing [chars].

**Explanation** The startup configuration for module [decimal digit] contains information about a different type of module instead of containing information about the current one.

**Recommended Action** No action is required.

**Message** MODULE-5-STANDBY\_SUP\_OK: Supervisor [dec] is standby

**Explanation** Module [decimal digit] is ready to be configured and be able to switch traffic.

**Recommended Action** No action is required.

**Message** MODULE-5-XBAR\_OK: Xbar [dec] is online (Serial number: [chars])

**Explanation** Xbar [decimal digit] is ready to be configured and be able to switch traffic.

**Recommended Action** No action is required.

**Message** MODULE-5-XBAR\_REINIT: Re-initializing xbar [dec] (Serial number: [chars])

**Explanation** Xbar [decimal digit] reported a failure during the initialization phase and will be rebooted.

**Recommended Action** Collect information about the module by issuing the commands show module\_internal all xbar <module> number

## MODULE-6

**Message** MODULE-6-MOD\_PURGE\_CONFIG: Purging the configuration for module [dec]

**Explanation** Notification is being sent to remove the module configurations.

**Recommended Action** No action is required.

**Message** MODULE-6-MOD\_REG\_OK: Registration succeeded for module [dec]

**Explanation** Module [decimal digit] sent a successful registration message.

**Recommended Action** No action is required.

## MONITOR Messages

This section contains the MONITOR messages.

### MONITOR-3

**Message** MONITOR-3-ETH\_SPAN\_SPM\_TIMER\_EXPIRY: SPM request timed out for ssn: [dec]

**Explanation** SPM Request timed out for ERSPAN-DST session

**Recommended Action** No action is required.

### MONITOR-5

**Message** MONITOR-5-ETH\_SPAN\_SESSION\_CREATED: Session [dec] created

**Explanation** A new span session has been created.

**Recommended Action** No action is required.

**Message** MONITOR-5-ETH\_SPAN\_SESSION\_DELETED: Session [dec] deleted

**Explanation** Session has been deleted.

**Recommended Action** No action is required.

**Message** MONITOR-5-ETH\_SPAN\_SESSION\_DOWN: Session [dec] is down. Reason '[chars]'

**Explanation** Session is down, no further traffic will be spanned.

**Recommended Action** No action is required.



**Message** MONITOR-5-ETH\_SPAN\_SESSION\_ERROR: Session [dec] is having error. Reason [chars]

**Explanation** The session is experiencing a problem.

**Recommended Action** Delete the session and try to reconfigure it

**Message** MONITOR-5-ETH\_SPAN\_SESSION\_UP: Session [dec] is up.

**Explanation** Session is up now. You can monitor Spanned traffic at the destination ports

**Recommended Action** No action is required.

**Message** MONITOR-5-ETH\_SPAN\_SOURCE\_ADDED: Source [chars] added to session [dec]

**Explanation** A new source has been added.

**Recommended Action** No action is required.

**Message** MONITOR-5-ETH\_SPAN\_SOURCE\_REMOVED: Source [chars] removed from session [dec]

**Explanation** A source has been removed.

**Recommended Action** No action is required.

## MTM Messages

This section contains the MTM messages.

### MTM-SLOT#-0

**Message** MTM-SLOT#-0-CLI\_INIT\_FAILED: CLI library initialization failed!

**Explanation** MTM failed to initialize CLI infrastructure's backend library. This is a fatal error.

**Recommended Action** No action is required.

**Message** MTM-SLOT#-0-FE\_TIMER\_EXPIRED: FE timer expired for fe [dec]!

**Explanation** Driver has failed to respond to MTM request within MTM\_FE\_TO\_TIMER\_INTERVAL. This is a fatal error.

**Recommended Action** No action is required.

**Message** MTM-SLOT#-0-TIMER\_INIT\_FAILED: Timer subsystem initialization failed!

**Explanation** MTM failed to initialize timer library. This is a fatal error.

**Recommended Action** No action is required.

## MTM Messages

### MTM-SLOT#-1

**Message** MTM-SLOT#-1-L2\_USD\_REQ\_FAILED: Failed to send request to the L2 ASIC driver.

**Explanation** Failed to send request to L2 ASIC driver.

**Recommended Action** No action is required.

## MTM Messages

### MTM-SLOT#-2

**Message** MTM-SLOT#-2-FE\_MAC\_TABLE\_LINE\_FULL: Failed to insert static mac as MAC table line is full for FE [dec]!

**Explanation** Static mac insert failed due to line full condition.

**Recommended Action** No action is required.

**Message** MTM-SLOT#-2-HWIDX\_TO\_IF\_FAILED\_SUMMARY: Failed to get interface for hardware index for [dec] entries

**Explanation** Failed to get interface for hardware Index for [dec] entries

**Recommended Action** No action is required.

**Message** MTM-SLOT#-2-IF\_TO\_HWIDX\_FAILED\_SUMMARY: Failed to get hardware index for interface Index for [dec] entries.

**Explanation** Failed to get hardware index for interface Index for [dec] entries.

**Recommended Action** No action is required.

**Message** MTM-SLOT#-2-MTM\_MEM\_ALLOC: Memory allocation failed. [chars]

**Explanation** Memory allocation failed. This is a critical failure

**Recommended Action** No action is required.

**Message** MTM-SLOT#-2-MULTICAST\_SOURCE\_MAC\_LEARNT: Inserted dynamically learnt multicast source mac [chars] in vlan [dec]!. Issue show hardware mac address-table <mod>

**Explanation** Multicast mac address: [hex] sent as source mac in a packet and was learnt in the Mac Table. Please execute: clear mac address-table dynamic multicast-entries

**Recommended Action** No action is required.

**Message** MTM-SLOT#-2-STATIC\_MATCH: Failed to program static match registers for [chars].

**Explanation** Failed to program the required registers in L2 ASIC for [chars].

**Recommended Action** No action is required.

**Message** MTM-SLOT#-2-STP\_BPDU\_MATCH: Failed to program static match registers for BPDU matching.

**Explanation** Failed to program the required registers in L2 ASIC for BPDU matching. BPDUs will not be received by Spanning tree.

**Recommended Action** No action is required.

**Message** MTM-SLOT#-2-VLAN\_NOT\_FOUND: VLAN [dec] not found in MTM database!

**Explanation** MTM failed to find VLAN [dec] in its database. L2 MAC learning & aging on VLAN [dec] may be affected.

**Recommended Action** No action is required.

## MTM Messages

### MTM-SLOT#-5

**Message** MTM-SLOT#-5-AGEGRP\_ALLOC\_FAILED: Age group allocation for age [dec] failed.

**Explanation** Age group allocation for age [dec] failed. The total number of allocated age group has reached system limits.

**Recommended Action** No action is required.

**Message** MTM-SLOT#-5-ALL0\_LRN\_DISABLE\_FAIL: Failed to program static match register to disable learning all 0 MAC.

**Explanation** Failed to program the required registers in L2 ASIC to disable learning all 0 MAC.

**Recommended Action** No action is required.

## MTM Messages

### MTM-SLOT#-6

**Message** MTM-SLOT#-6-INITIALIZED: Internal state created [chars]

**Explanation** MTM has created its internal state stateless/stateful [chars].

**Recommended Action** No action is required.

**Message** MTM-SLOT#-6-VDC\_CREATED: VDC [dec] created

**Explanation** Request to create VDC [dec] in MTM was successful.

**Recommended Action** No action is required.

**Message** MTM-SLOT#-6-VDC\_REMOVED: VDC [dec] Removed

**Explanation** MTM has successfully removed VDC [dec] from its databases.

**Recommended Action** No action is required.

**Message** MTM-SLOT#-6-VDC\_VLAN\_CREATED: VLAN [dec] created in VDC [dec]

**Explanation** MTM has added VLAN [dec] in VDC [dec].

**Recommended Action** No action is required.

**Message** MTM-SLOT#-6-VDC\_VLAN\_REMOVED: VLAN [dec] removed from VDC [dec]

**Explanation** MTM has successfully removed VLAN [dec] from VDC [dec].

**Recommended Action** No action is required.

## NFM Messages

This section contains the NFM messages.

## NFM-2

**Message** NFM-2-COMMIT\_FAIL: Commit failed: client [hex], [chars]

**Explanation** The DDB commit failed

**Recommended Action** No action is required.

**Message** NFM-2-DDB\_FAILURE: DDB failure: [chars]

**Explanation** A DDB generated failure

**Recommended Action** No action is required.

**Message** NFM-2-EXITING: Exit reason: [chars]

**Explanation** The NFM service process has exited due to [char]. The process has probably been restarted automatically.

**Recommended Action** No action is required.

**Message** NFM-2-INIT\_FAIL: NFM Service Init failed: [chars]

**Explanation** NFM Service initialization failed. [chars] explains the reason for the failure.

**Recommended Action** No action is required.

**Message** NFM-2-MALLOC\_ERROR: Function [chars]: Size [dec] bytes

**Explanation** The NFM service could not allocate memory.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** NFM-2-PSS\_ERROR: [chars]: PSS ret. val=[dec]

**Explanation** The NFM service encountered error while operating on a persistent storage database.

**Recommended Action** No action is required.

**Message** NFM-2-VERIFY\_FAIL: Verify failed - Client [hex], Reason: [chars], Interface: [chars]

**Explanation** The DDB Verify failed

**Recommended Action** No action is required.

## NFM-3

**Message** NFM-3-DDB\_ERROR: DDB error: [chars]

**Explanation** The DDB generated error

**Recommended Action** No action is required.

**Message** NFM-3-FEATURE\_MANAGER\_ERROR: [chars]: An error occurred processing a Feature Manager msg - error [chars]

**Explanation** An error occurred while processing a message from FEATURE Manager

**Recommended Action** No action is required.

**Message** NFM-3-HANDLE\_IN\_USE: [chars]: name: [chars]

**Explanation** The NFM service encountered a handle that was in use while reading a persistent storage database.

**Recommended Action** No action is required.

**Message** NFM-3-INVALID\_HANDLE: [chars]: handle =[hex]

**Explanation** The NFM service encountered an invalid handle in a persistent storage database.

**Recommended Action** No action is required.

**Message** NFM-3-MONITOR\_NOT\_FOUND: Monitor with handle [hex] from source [hex]

**Explanation** An Export Msg from a Linecard contained an invalid Monitor handle

**Recommended Action** No action is required.

**Message** NFM-3-MTS\_ERROR: NFM encountered the following MTS error: [chars]

**Explanation** NFM Service encountered an MTS error. [chars] specifies the context where the error occurred.

**Recommended Action** No action is required.

**Message** NFM-3-NFM\_CONFIG\_ERROR: [chars]

**Explanation** L2 Netflow config is applied on Port-channel with F1 Line Cards only - error

**Recommended Action** No action is required.

**Message** NFM-3-NFM\_DDB\_ERROR: DDB error: [chars]

**Explanation** The DDB generated error

**Recommended Action** No action is required.

**Message** NFM-3-PSS\_CORRUPTED: [chars] PSS found corrupted

**Explanation** The NFM service has detected corruption in one of its persistent information database. The database would be recreated.

**Recommended Action** No action is required.

**Message** NFM-3-VLAN\_PARSE\_ERROR: [chars]: An error occurred processing a VLAN Mgr Parse msg [hex]

**Explanation** An error occurred while processing a message from VLAN Manager

**Recommended Action** No action is required.

## NFM-4

**Message** NFM-4-DDB\_WARNING: DDB warning: [chars]

**Explanation** The DDB generated warning

**Recommended Action** No action is required.

**Message** NFM-4-LICENSE\_EXPIRED: The License has expired.

**Explanation** The NFM service requires a License to run and exits when the License expires.

**Recommended Action** No action is required.

**Message** NFM-4-NFM\_DDB\_WARNING: DDB warning: [chars]

**Explanation** The DDB generated warning

**Recommended Action** No action is required.

**Message** NFM-4-PSS\_VERSION\_MISMATCH: PSS [dec] Code [dec]

**Explanation** There was a version mismatch between the NFM service and one of its persistent storage databases. The persistent information has been translated to the new format.

**Recommended Action** No action is required.

## NFM-5

**Message** NFM-5-FEATURE\_DISABLED: NetFlow Disabled.

**Explanation** NetFlow Feature Disabled.

**Recommended Action** No action is required.

**Message** NFM-5-FEATURE\_ENABLED: NetFlow Enabled.

**Explanation** NetFlow Feature Enabled.

**Recommended Action** No action is required.

## NFM-6

**Message** NFM-6-BECAME\_ACTIVE: Became ACTIVE from standby mode

**Explanation** The NFM service on the standby supervisor became active and it is ready to serve client requests.

**Recommended Action** No action is required.

**Message** NFM-6-BECAME\_STDBY: Became STANDBY from active mode

**Explanation** The NFM service became standby from active mode.

**Recommended Action** No action is required.

**Message** NFM-6-DDB\_NOTIF: DDB notification: [chars]

**Explanation** The DDB generated notification

**Recommended Action** No action is required.

**Message** NFM-6-FAILED\_TO\_SEND\_HEARTBEAT: Failed to send heartbeat to system manager: Reason=[chars]

**Explanation** The NFM service was unable to send heartbeat to the system manger

**Recommended Action** No action is required.

**Message** NFM-6-NFM\_DDB\_NOTIF: DDB notification: [chars]

**Explanation** The DDB generated notification

**Recommended Action** No action is required.



**Message** NFM-6-SERVICE\_UP: Initialized [chars]

**Explanation** The NFM service is up and ready The service was initialized in [char] mode.

**Recommended Action** No action is required.

**Message** NFM-6-SRV\_EXIT: NFM Service shutting down gracefully

**Explanation** NFM Service is shutting down gracefully. This is an informational message.

**Recommended Action** No action is required.

**Message** NFM-6-SWITCH\_OVER: Switching Over to other Sup.

**Explanation** The NFM service has successfully switched over to the standby supervisor card.

**Recommended Action** No action is required.

## NFM-7

**Message** NFM-7-DEBUG: [chars]

**Explanation** Debug information is being sent to syslog

**Recommended Action** No action is required.

## NFP Messages

This section contains the NFP messages.

### NFP-SLOT#-2

**Message** NFP-SLOT#-2-NF\_ACL\_ERR: [chars] ([dec]): acl error. [chars]

**Explanation** Acl error

**Recommended Action** No DDTS.

**Message** NFP-SLOT#-2-NF\_DDB\_ERR: [chars] ([dec]): ddb error. [chars]

**Explanation** Ddb error

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** NFP-SLOT#-2-NF\_ERR: [chars] ([dec]): nfp error. [chars]

**Explanation** Nfp error occurred

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** NFP-SLOT#-2-NF\_FIB\_ERR: [chars] ([dec]): fib error. [chars]

**Explanation** Fib error

**Recommended Action** No DDTS.

**Message** NFP-SLOT#-2-NF\_NDE\_ERR: [chars] ([dec]): nde error. [chars]

**Explanation** Nde error

**Recommended Action** No DDTS.

**Message** NFP-SLOT#-2-NF\_NFM\_ERR: [chars] ([dec]): nfm error. [chars]

**Explanation** Nfm error

**Recommended Action** No DDTS.

**Message** NFP-SLOT#-2-NF\_QOS\_ERR: [chars] ([dec]): qos error. [chars]

**Explanation** Qos error

**Recommended Action** No DDTS.

## NFP-SLOT#-5

**Message** NFP-SLOT#-5-NF\_INFO: [chars]

**Explanation** Info

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## NPC Messages

This section contains the NPC messages.

## NPC-SLOT#-3

**Message** NPC-SLOT#-3-LOG\_NPC\_ERR: Nonrecoverable error: [chars]

**Explanation** Errors which cause program to exit occurred

**Recommended Action** No action is required.

## NPC-SLOT#-4

**Message** NPC-SLOT#-4-LOG\_NPC\_WARNING: Serious error: [chars]

**Explanation** Serious errors which affect all normal operations occurred

**Recommended Action** No action is required.

## NPC-SLOT#-5

**Message** NPC-SLOT#-5-LOG\_NPC\_DEBUG: Unexpected error: [chars]

**Explanation** Unexpected errors which affect some normal operations occurred

**Recommended Action** No action is required.

**Message** NPC-SLOT#-5-LOG\_NPC\_NVP\_FSM: Illegal event received: [chars]

**Explanation** Illegal event received in NPC\_NVP FSM

**Recommended Action** No action is required.

**Message** NPC-SLOT#-5-LOG\_NPC\_VSAN\_FSM: Illegal event received: [chars]

**Explanation** Illegal event received in NPC\_VSAN FSM

**Recommended Action** No action is required.

## NPV Messages

This section contains the NPV messages.

## NPV-2

**Message** NPV-2-CFS\_PEER\_LOST\_WITHIN\_SESSION: CFS peer with switch wwn [chars] was lost in the middle of an active CFS session. Abort the CFS session and re-enter the configuration changes

**Explanation** Due to port flaps, link outages, switch restart etc. a CFS peer switch of NPV was lost. The current configuration changes would not be applied to this peer until the peer merges with this switch. The CFS merge may fail if the configuration at the lost peer conflicts with the changes made in this session. It is recommended that the user abort this CFS session using `ivr abort` command and then re-enter the configuration changes.

**Recommended Action** No action is required.

**Message** NPV-2-NPV\_DISABLE\_FAILED: NPV could not disabled: [chars] [chars]

**Explanation** NPM could not disabled due to the reason specified. Please try again.

**Recommended Action** No action is required.

**Message** NPV-2-NPV\_ENABLE\_FAILED: NPV could not enabled: [chars] [chars]

**Explanation** NPM could not enabled due to the reason specified. Please try again.

**Recommended Action** No action is required.

**Message** NPV-2-NPV\_EXITED: NPV process exited in file [chars] at Line [chars]: [chars]

**Explanation** NPM process encountered a critical error as specified, and so NPV process cannot continue.

**Recommended Action** No action is required.

## NPV-3

**Message** NPV-3-ACL\_UPDATE\_FAILED: [chars]

**Explanation** ACL update request initiated by the NPV process has failed

**Recommended Action** No action is required.

**Message** NPV-3-CFS\_INVALID\_PAYLOAD\_RECEIVED: NPV received invalid payload from CFS

**Explanation** NPV process received invalid payload from CFS.

**Recommended Action** No action is required.

**Message** NPV-3-CLEAR\_FAILED: [chars]

**Explanation** An error occurred while clearing the lock. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** NPV-3-COMMIT\_FAILED: [chars]

**Explanation** An error occurred while committing configuration. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** NPV-3-COMMIT\_PARTIALLY\_FAILED: [chars]

**Explanation** An error occurred while committing configuration. Configuration could not be committed on some switches. The reason for the failure: [chars]. Configuration can be inconsistent in the fabric.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** NPV-3-COMMIT\_REJECTED: [chars]

**Explanation** Commit request received from remote switch is rejected. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** NPV-3-FC2\_SEND\_FAILED: [chars]

**Explanation** NPV process could not send an FC2 message.

**Recommended Action** No action is required.

**Message** NPV-3-F\_RJT\_SENT: [chars]

**Explanation** NPV process sent an F\_RJT frame.

**Recommended Action** No action is required.

**Message** NPV-3-INTERNAL\_ERROR: Internal error: [chars]

**Explanation** NPV process encountered a general error, one that does not fall in any of the categories. [chars] describes the error and its context.

**Recommended Action** No action is required.

**Message** NPV-3-LCP\_PROGRAMMING\_FAILED: [chars]

**Explanation** LCP programming request initiated by the NPV process has failed

**Recommended Action** No action is required.

**Message** NPV-3-LOCK\_FAILED: [chars]

**Explanation** An error occurred while acquiring the lock. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** NPV-3-LS\_RJT\_RCVD: [chars]

**Explanation** NPV process received an LS\_RJT frame.

**Recommended Action** No action is required.

**Message** NPV-3-LS\_RJT\_SENT: [chars]

**Explanation** NPV process sent an LS\_RJT frame.

**Recommended Action** No action is required.

**Message** NPV-3-MALLOC\_FAILED: [chars]

**Explanation** NPV process could not allocate memory

**Recommended Action** No action is required.

**Message** NPV-3-MERGE\_ACTIVATION\_FAILED: [chars]

**Explanation** An error occurred while activating merged configuration. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** NPV-3-MERGE\_FAILED: [chars]

**Explanation** An error occurred while merging configuration. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** NPV-3-MTS\_SEND\_FAILED: [chars]

**Explanation** NPV process could not send an MTS message.

**Recommended Action** No action is required.

**Message** NPV-3-NPIV\_DISABLE\_FAILED: [chars]

**Explanation** NPIV feature could not be disabled.

**Recommended Action** No action is required.

**Message** NPV-3-NPV\_CFS\_IPV4\_ENABLE\_FAILED: CFS IPv4 distribution enable failed because [chars]

**Explanation** NPV CFS distribution might not work. Try enabling it again on the command line. Make sure cfs distribution is enabled.

**Recommended Action** No action is required.

**Message** NPV-3-PORT\_BRINGUP\_FAILED: [chars]

**Explanation** NPV process has failed to bringup the port

**Recommended Action** No action is required.

**Message** NPV-3-PORT\_REINIT\_FAILED: [chars]

**Explanation** Port re-initiate request initiated by the NPV process has failed

**Recommended Action** No action is required.

**Message** NPV-3-UNLOCK\_FAILED: [chars]

**Explanation** An error occurred while releasing the lock. The reason for the failure: [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## NPV-4

**Message** NPV-4-NPV\_NPIV\_NOT\_ENABLED\_ON\_UPSTREAM\_SWITCH: [chars]

**Explanation** This syslog is printed when the external interface fails to come up due to NPIV feature not enabled on the upstream switch.

**Recommended Action** Verify and enable NPIV feature in upstream switch.

**Message** NPV-4-NPV\_PORT\_VSAN\_MISMATCH\_ON\_UPSTREAM\_LINK: [chars]

**Explanation** This syslog is printed when the external interface fails to come up due to upstream port VSAN mis-match with the upstream switch.

**Recommended Action** Make sure port VSAN is same on both sides of this external link

## NPV-5

**Message** NPV-5-ASSERTION\_FAILED: Unexpected assertion failure in File [chars] at Line [dec]

**Explanation** An assertion failed in NPV code

**Recommended Action** No action is required.

**Message** NPV-5-FLEXATTACH\_VPWWN\_AUTO\_ASSIGNED: A virtual port WWN [chars] has been automatically assigned to interface [chars]

**Explanation** The virtual port WWN will be used as port WWN for devices logging in on this interface.

**Recommended Action** No action is required.

**Message** NPV-5-FLEXATTACH\_VPWWN\_MANUALLY\_ASSIGNED: A virtual port WWN [chars] has been manually assigned to interface [chars]

**Explanation** The virtual port WWN will be used as port WWN for devices logging in on this interface.

**Recommended Action** No action is required.

**Message** NPV-5-FLEXATTACH\_VPWWN\_UNASSIGNED: The virtual port WWN has been unassigned from interface [chars]

**Explanation** The physical port WWN will be used as port WWN for devices logging in on this interface.

**Recommended Action** No action is required.

**Message** NPV-5-FRAME\_DISCARDED: [chars]

**Explanation** NPV process discarded an FC2 frame.

**Recommended Action** No action is required.



**Message** NPV-5-NPV\_LOAD\_BALANCE\_REINIT: Server ports reinitialized: [chars]

**Explanation** Server ports are reinitialized to balance the loads on the external interfaces.

**Recommended Action** No action is required.

**Message** NPV-5-UNEXPECTED\_EVENT: [chars]

**Explanation** NPV process has received an unexpected event in the current state.

**Recommended Action** No action is required.

## NPV-6

**Message** NPV-6-ABTS\_SENT: [chars]

**Explanation** NPV process sent an ABTS frame.

**Recommended Action** No action is required.

**Message** NPV-6-ELS\_CMD\_SENT\_TO\_CORE: [chars]

**Explanation** NPV process sent an ELS frame to the core switch.

**Recommended Action** No action is required.

**Message** NPV-6-ELS\_CMD\_SENT\_TO\_SRV: [chars]

**Explanation** NPV process sent an ELS frame to the server.

**Recommended Action** No action is required.

**Message** NPV-6-EXT\_IF\_SELECTED: [chars]

**Explanation** NPV process has selected an external interface to forward either all frames received on a server interface or frames received from a specific port WWN.

**Recommended Action** No action is required.

**Message** NPV-6-FABRIC\_PROXY\_LOGO\_SENT: [chars]

**Explanation** NPV process sent a LOGO frame to the device as the corresponding external interface went down.

**Recommended Action** No action is required.

**Message** NPV-6-FDISC\_RCVD: [chars]

**Explanation** NPV process received an FDISC frame.

**Recommended Action** No action is required.

**Message** NPV-6-FDISC\_SENT: [chars]

**Explanation** NPV process sent an FDISC frame to the core switch.

**Recommended Action** No action is required.

**Message** NPV-6-FLOGI\_RCVD: [chars]

**Explanation** NPV process received an FLOGI frame.

**Recommended Action** No action is required.

**Message** NPV-6-INTERNAL\_FLOGI\_SENT: [chars]

**Explanation** NPV process sent an internal FLOGI frame to the core switch on an external interface.

**Recommended Action** No action is required.

**Message** NPV-6-LOGO\_RCVD: [chars]

**Explanation** NPV process received a LOGO frame.

**Recommended Action** No action is required.

**Message** NPV-6-LOGO\_SENT: [chars]

**Explanation** NPV process sent a LOGO frame.

**Recommended Action** No action is required.

**Message** NPV-6-LS\_ACC\_RCVD: [chars]

**Explanation** NPV process received an LS\_ACC frame.

**Recommended Action** No action is required.

**Message** NPV-6-LS\_ACC\_SENT: [chars]

**Explanation** NPV process sent an LS\_ACC frame.

**Recommended Action** No action is required.

**Message** NPV-6-MTS\_NOTIF\_RCVD: [chars]

**Explanation** NPV process received an MTS notification.

**Recommended Action** No action is required.

**Message** NPV-6-MTS\_NOTIF\_SENT: [chars]

**Explanation** NPV process sent an MTS notification.

**Recommended Action** No action is required.

**Message** NPV-6-MTS\_REQ\_RCVD: [chars]

**Explanation** NPV process received an MTS request.

**Recommended Action** No action is required.

**Message** NPV-6-MTS\_REQ\_SENT: [chars]

**Explanation** NPV process sent an MTS request.

**Recommended Action** No action is required.

**Message** NPV-6-MTS\_RESP\_RCVD: [chars]

**Explanation** NPV process received an MTS response.

**Recommended Action** No action is required.

**Message** NPV-6-MTS\_RESP\_SENT: [chars]

**Explanation** NPV process sent an MTS response.

**Recommended Action** No action is required.

**Message** NPV-6-NPIV\_DISABLED: [chars]

**Explanation** NPIV feature has been disabled.

**Recommended Action** No action is required.

**Message** NPV-6-NPIV\_ENABLED: [chars]

**Explanation** NPIV feature has been enabled.

**Recommended Action** No action is required.

**Message** NPV-6-NPV\_ENABLE\_DISABLE\_IN\_PROGRESS: [chars]

**Explanation** NPV feature enable/disable is in progress. This syslog is printed at the beginning of various significant phases.

**Recommended Action** No action is required.

**Message** NPV-6-NPV\_LOAD\_BALANCE\_TIMER\_START: (Re)starting automatic load balancing timer for [dec] seconds

**Explanation** Timer started for upon external interface up or server interface down. When the timer goes off some of the server interfaces may be reinitialized to evenly distribute the server interfaces amongst the eligible external interfaces.

**Recommended Action** No action is required.

**Message** NPV-6-SERVER\_PROXY\_LOGO\_SENT: [chars]

**Explanation** NPV process sent a LOGO frame to the core switch as the server interface went down.

**Recommended Action** No action is required.

## NPV-7

**Message** NPV-7-CFS\_REQ\_RCVD: [chars]

**Explanation** CFS request is received. The WWN of the switch originated this request and the RR-token of the request are provided in the syslog message.

**Recommended Action** No action is required.

**Message** NPV-7-CFS\_RESP\_SENT: [chars]

**Explanation** CFS response is sent. The re-token of the corresponding request and the status are provided in the syslog message

**Recommended Action** No action is required.

## NTP Messages

This section contains the NTP messages.

## NTP-2

**Message** NTP-2-NTP\_SYSLOG\_CRIT\_ERR: [chars]

**Explanation** NTP syslog Critical Error: [chars].

**Recommended Action** No action is required.

**Message** NTP-2-NTP\_SYSLOG\_INIT\_FAIL: [chars] [chars]

**Explanation** NTP Initialization Failed: [chars] [chars].

**Recommended Action** No action is required.

**Message** NTP-2-NTP\_SYSLOG\_NO\_RESP\_FROM\_LC: from LC [dec] for [chars]

**Explanation** NTP did not receive response from the linecard for the request sent.

**Recommended Action** No action is required.

## NTP-3

**Message** NTP-3-NTP\_SYSLOG\_ALLOC\_FAIL:: [chars]

**Explanation** NTP syslog allocation failed: [chars].

**Recommended Action** No action is required.

**Message** NTP-3-NTP\_SYSLOG\_ERR\_EXT:: [chars] [chars]

**Explanation** NTP syslog Error Exit: [chars] [dec].

**Recommended Action** No action is required.

**Message** NTP-3-NTP\_SYSLOG\_ERR: [chars]

**Explanation** NTP syslog Error: [chars].

**Recommended Action** No action is required.

**Message** NTP-3-NTP\_SYSLOG\_MTS\_ERR: [chars]

**Explanation** NTP MTS Error: [chars].

**Recommended Action** No action is required.

## NTP-6

**Message** NTP-6-NTP\_SYSLOG\_CREATED:: [chars]; Slot No: [dec]

**Explanation** NTP syslog created: [chars] [chars].

**Recommended Action** No action is required.

**Message** NTP-6-NTP\_SYSLOG\_EXIT: [chars]

**Explanation** NTP syslog Exit: [chars].

**Recommended Action** No action is required.

**Message** NTP-6-NTP\_SYSLOG\_LOGGING: [chars]

**Explanation** NTP logging: [chars].

**Recommended Action** No action is required.

**Message** NTP-6-NTP\_SYSLOG\_WARN: [chars]

**Explanation** NTP syslog Warning: [chars].

**Recommended Action** No action is required.

## NVP Messages

This section contains the NVP messages.

### NVP-6

**Message** NVP-6-NVP\_INFO: [chars]

**Explanation** NVP daemon informational message

**Recommended Action** No action is required.

**Message** NVP-6-STARTING: daemon started

**Explanation** The NVP daemon successfully started

**Recommended Action** No action is required.

## NVP-SLOT#-2

**Message** NVP-SLOT#-2-CPP\_CATASTROPHIC\_ERROR: ERROR: Component ([chars]) caused critical error please reboot SSM

**Explanation** Component caused critical error

**Recommended Action** Restart the linecard

## OBFL Messages

This section contains the OBFL messages.

### OBFL-3

**Message** OBFL-3-ERROR: [chars]

**Explanation** Obfl\_encountered an error

**Recommended Action** No action is required.

## OC\_USD Messages

This section contains the OC\_USD messages.

### OC\_USD-2

**Message** OC\_LOG\_CRIT\_RF\_CRC: Octopus received packets with CRC error from module %d or from xbar %s

**Explanation** Octopus received packets with CRC error from fabric or from module

**Recommended Action** Use another optical cable and transceivers. If the problem still persists, change the peer ports, such as the remote port to another or the local port to another. Run the commands ‘diagnostic start module <mod> test all’ and ‘show diagnostic result module <mod> test all detail’. The result will display the information about the failures in HW, if any.

## ONEP Messages

This section contains the ONEP messages.

## ONEP-2

**Message** ONEP-2-GET\_BUFFER: Onepsync ISSU client failed to get buffer for message.  
Error: [dec] ([chars])

**Explanation** The Onepsync ISSU client failed to get buffer space for building a negotiation message. A negotiation message cannot be sent to the standby device. If a problem occurs with the ISSU session negotiation, the standby device cannot be brought up properly.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (show logging and show checkpoint client)

**Message** ONEP-2-INIT: Onepsync ISSU client initialization failed to [chars].  
Error: [dec] ([chars])

**Explanation** The Onepsync ISSU client could not be initialized. This initialization failure must be addressed before in-service software upgrade or downgrade can be performed successfully. If you do not address this failure, there will be downtime during software upgrade or downgrade.

**Recommended Action** LOG\_STD\_ACTION

**Message** ONEP-2-NE\_PSS\_32\_ERR: ONEP [chars] configuration mismatch: Network Element([dec]) / PSS([dec])

**Explanation** The Network Element and Persistent Storage for the running-config are out of sync. If no other error has occurred, the Network Element configuration will take precedence.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (Try reconfiguring the item, possibly using the [no] form to restore a default value if a new one doesn't take. The 'show running-config' command should be used to see if this error persists.

**Message** ONEP-2-NE\_PSS\_STRING\_ERR: ONEP [chars] configuration mismatch: Network Element([chars]) / PSS([chars])

**Explanation** The Network Element and Persistent Storage for the running-config are out of sync. If no other error has occurred, the Network Element configuration will take precedence.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (Try reconfiguring the item, possibly using the [no] form to restore a default value if a new one doesn't take. The 'show running-config' command should be used to see if this error persists.

**Message** ONEP-2-SEND\_NEGO\_FAILED: Onepsync ISSU client failed to send negotiation message. Error: [dec] ([chars])

**Explanation** The Onepsync ISSU client failed to send a session negotiation message to the peer device. If a problem occurs with the ISSU session negotiation, the standby device cannot be brought up properly.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (show logging and show checkpoint client)



**Message** ONEP-2-SESSION\_NEGO\_FAIL\_START: Failed to start Onepsync ISSU session negotiation. Error: [dec] ([chars])

**Explanation** The Onepsync ISSU client failed to start session negotiation. If a problem occurs with the ISSU session start, the standby device cannot be brought up properly.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (show issue session <client\_id>

**Message** ONEP-2-SESSION\_REGISTRY: Onepsync ISSU client failed to register session information. Error: [dec] ([chars])

**Explanation** The Onepsync ISSU client failed to register session information. If a problem occurs with the ISSU session registration, the standby device cannot be brought up properly.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (show issu capability entries <client\_id>

## ONEP-3

**Message** ONEP-3-AUTHEN\_ERR: [[chars]]: Authentication/authorization failed. [chars]

**Explanation** The session authentication has failed

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (Check users credentials are matched against the AAA/ local users configured on the Network Element.)'

**Message** ONEP-3-BUSY\_ERR: [[chars]]: The requested resource is currently busy. [chars].

**Explanation** The usage of the resource has exceeded the configured threshold value

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (Check the current resource usage and configured resource threshold. cpu threshold rising <value>

**Message** ONEP-3-DISABLED\_ERR: [[chars]]: [chars] is disabled.

**Explanation** The requested service set is in disabled state. All the service requests for that service set will be rejected.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (Make sure the service set is enabled. connect edness service set <name>

**Message** ONEP-3-DUPLICATE\_ERR: [[chars]]: Requested entity [chars] already exists.

**Explanation** The connection request to the network element already exists

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (Make sure the uniqueness of the application name. One session per application is allowed on a network element.)

**Message** ONEP-3-INVALID\_SESSION: Onepsync ISSU client does not have a valid registered session.

**Explanation** The Onepsync ISSU client does not have a valid registered session.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (show issue capability entries <client\_id>)

**Message** ONEP-3-LISP\_DISABLED\_ERR: [[chars]]: [chars] is disabled.

**Explanation** The requested service set is in disabled state. All the service requests for that service set will be rejected.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (Make sure the service set is enabled. connected apps service set lisp)

**Message** ONEP-3-MSG\_NOT\_OK: Onepsync ISSU client Message Type [dec] is not compatible

**Explanation** The Onepsync ISSU client received an incompatible message from the peer device. The message cannot be processed.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (show issu message group <client\_id>)

**Message** ONEP-3-MSG\_SIZE: Onepsync ISSU client failed to get the MTU for Message Type [dec]. Error: [dec] ([chars])

**Explanation** The Onepsync ISSU client failed to calculate the MTU for the specified message. The Onepsync ISSU client is not able to send the message to the standby device.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (show issu message group <client\_id>)

**Message** ONEP-3-SESSION\_UNREGISTRY: Onepsync ISSU client failed to unregister session information. Error: [dec] ([chars])

**Explanation** The Onepsync ISSU client failed to unregister session information.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (show issu session <client\_id>)

**Message** ONEP-3-VERSION\_ERR: [[chars]]: ONE-P version incompatible between client and network element. [chars]

**Explanation** The ONE-P client service set version is incompatible with the one installed on the network element

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (Make sure the version running on the client side is compatible with the one installed on the network element)

## ONEP-4

**Message** ONEP-4-ONEP\_DISABLED: ONEP feature is administratively disabled, terminated [[dec]] connected application(s)

**Explanation** Administrator has disabled ONEP feature while application sessions were active. All active sessions have been terminated. To enable ONEP again use 'feature onep' command in configuration mode.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (No action is required if this was deliberate operation. To enable ONEP again use 'feature onep' command in configuration mode.)

## ONEP-6

**Message** ONEP-6-HISTORY: [chars]

**Explanation** This syslog message is used to display one PK history messages when the history syslog' one p command is enabled.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (No action is required. Use no history syslog at the onep configuration prompt to turn off this logging if desired).

## ORI\_FWD Messages

This section contains the ORI\_FWD messages.

### ORI\_FWD-2

**Message** ORI\_FWD-2-CRIT\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

### ORI\_FWD-6

**Message** ORI\_FWD-6-ORF\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## ORI\_MAC Messages

This section contains the ORI\_MAC messages.

## ORI\_MAC-2

**Message** ORI\_MAC-2-ORI\_MAC\_CRIT\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## ORI\_MAC-6

**Message** ORI\_MAC-6-ORI\_MAC\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## ORI\_XBAR\_USD Messages

This section contains the ORI\_XBAR\_USD messages.

### ORI\_XBAR\_USD-2

**Message** ORI\_XBAR\_USD-2-CRIT\_MSG: [chars]

**Explanation** Critical log message

**Recommended Action** No action is required.

**Message** ORI\_XBAR\_USD-2-FR\_CRC: [chars]

**Explanation** FR CRC Message

**Recommended Action** No action is required.

**Message** ORI\_XBAR\_USD-2-SYNC\_ERR: [chars]

**Explanation** Sync loss error

**Recommended Action** No action is required.

## ORI\_XBAR\_USD-4

**Message** ORI\_XBAR\_USD-4-WARNING\_MSG: [chars]

**Explanation** Warning log message

**Recommended Action** No action is required.

## ORI\_XBAR\_USD-6

**Message** ORI\_XBAR\_USD-6-DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## OTM Messages

This section contains the OTM messages.

### OTM-2

**Message** OTM-2-OTM\_EEM\_FAIL: OTM failed to register with EEM

**Explanation** OTM process failed to register with eem, exiting now

**Recommended Action** No action is required.

### OTM-3

**Message** OTM-3-OTM\_ERROR: [chars] [chars]

**Explanation** [chars1][chars2]

**Recommended Action** No action is required.

### OTM-5

**Message** OTM-5-OTM\_OBJECT\_STATUS: Status of tracking object [dec] changed to [chars]

**Explanation** Status of tracking object [dec] changed to [chars]

**Recommended Action** No action is required.

**Message** OTM-5-OTM\_OBJ\_ADD:: Tracking object [dec] configured, status of the object [chars]

**Explanation** Tracking Object [dec] configured, status of the object [chars]

**Recommended Action** No action is required.

## OTM-6

**Message** OTM-6-OTM\_EXITED: OTM process exited

**Explanation** OTM process is terminated

**Recommended Action** No action is required.

**Message** OTM-6-OTM\_OBJ\_REM:: Tracking object [dec] removed

**Explanation** Tracking Object [dec] removed

**Recommended Action** No action is required.

**Message** OTM-6-OTM\_STARTED: OTM process started

**Explanation** OTM process is up and running

**Recommended Action** No action is required.

**Message** OTM-6-OTM\_TRACK\_START: Client started tracking object [dec]

**Explanation** Client has started tracking object [dec]

**Recommended Action** No action is required.

**Message** OTM-6-OTM\_TRACK\_STOP: Client stopped tracking object [dec]

**Explanation** Client has stopped tracking object [dec]

**Recommended Action** No action is required.

**Recommended Action**

## PHY\_USD Messages

This section contains the PHY\_USD messages.

## PHY\_USD-SLOT#-4

**Message** PHY\_USD-SLOT#-4-LOG\_PHY\_ISSU\_LINK\_ST\_CHNG: Port [dec]: link state during ISSU

**Explanation** Port Link status changed while performing an In Service System Upgrade. Disabling the port.

**Recommended Action** No action is required.

## PIXM Messages

This section contains the PIXM messages.

### PIXM-2

**Message** PIXM-2-PIXM\_SYSLOG\_MESSAGE\_TYPE\_CRIT: [chars]

**Explanation** PIXM has encountered a critical error

**Recommended Action** Please collect PIXM tech support using show tech pixm' and 'show tech pixmc-all'

### PIXM-3

**Message** PIXM-3-PIXM\_SYSLOG\_MESSAGE\_TYPE\_ERR: [chars]

**Explanation** PIXM has encountered a error

**Recommended Action** Please collect PIXM tech support using show tech pixm' and 'show tech pixmc-all'

### PIXM-4

**Message** PIXM-4-PIXM\_SYSLOG\_MESSAGE\_TYPE\_WARNING: [chars]

**Explanation** PIXM has encountered a warning-level error

**Recommended Action** Please collect PIXM tech support using show tech pixm' and 'show tech pixmc-all'

## PIXM-7

**Message** PIXM-7-PIXM\_SYSLOG\_MESSAGE\_TYPE\_DEBUG: [chars]

**Explanation** This is a debug output from PIXM

**Recommended Action** Please collect PIXM tech support using 'show tech pixm' and 'show tech pixmc-all'

## PLATFORM Messages

This section contains the PLATFORM messages.

### PLATFORM-0

**Message** PLATFORM-0-CHASSIS\_CLKSWITCH: Hardware clock switched to redundant clock- [dec]

**Explanation** Clock module on chassis detected a failure and switched to redundant clock module.

**Recommended Action** Please perform a 'show platform internal info' to collect more information.

**Message** PLATFORM-0-CHASSIS\_CLKSWRESET: Switch reset due to clock switch

**Explanation** Chassis clock source has failed and system will be reset. System will automatically start using redundant clock module.

**Recommended Action** Please refer to the platform document on clock modules.

**Message** PLATFORM-0-CHASSIS\_CLKSW\_MODULE\_RESET: Modules reset due to clock switch

**Explanation** Chassis clock source has switched and all Vegas line cards will be reset. System will automatically continue using redundant clock module.

**Recommended Action** Please refer to the platform document on clock modules.

**Message** PLATFORM-0-FAIL\_REMOVED: Fan module removed. Fan [dec] has been absent for [dec] seconds

**Explanation** Fan module is removed. This could lead to temperature alarms.

**Recommended Action** Replace the fan module ASAP.



**Message** PLATFORM-0-MOD\_TEMPMAJALRM: [chars] reported Major temperature alarm. Sensor=[dec] Temperature=[dec] MajThreshold=[dec]

**Explanation** Module in slot [decimal digit] exceeded major temperature threshold.

**Recommended Action** Please perform a 'show environment temperature' to collect more information.

**Message** PLATFORM-0-MOD\_TEMPSHUTDOWN: [chars] powered down due to major temperature alarm for Sensor [dec].

**Explanation** Module in slot [decimal digit] shutdown due to temperature exceeding major threshold.

**Recommended Action** Please perform a 'show environment temperature' to collect more information.

**Message** PLATFORM-0-MOD\_TEMPWARMALRM: [chars] reported Warm temperature alarm. Sensor=[dec] Temperature=[dec] WarmThreshold=[dec]

**Explanation** Module in slot [decimal digit] exceeded warm temperature threshold.

**Recommended Action** Please perform a 'show environment temperature' to collect more information.'

**Message** PLATFORM-0-PFM\_EMERGENCY: [chars]

**Explanation** Platform Emergency

**Recommended Action** No action is required.

**Message** PLATFORM-0-SUP\_SPROM\_ERROR: Unable to read SPROM for Sup in slot [dec]

**Explanation** The supervisor in slot [decimal digit] was not able to read its SPROM.

**Recommended Action** No action is required.

**Message** PLATFORM-0-SUP\_WRONGSLOTNUM: Supervisor powered up in WRONG SLOT:[dec] (Serial number [chars])

**Explanation** The supervisor is coming up in wrong slot [decimal digit].

**Recommended Action** No action is required.

**Message** PLATFORM-0-SYS\_LC\_DRIVER\_LOAD\_FAILED: Failed to load linecard module drivers

**Explanation** Failed to load drivers.

**Recommended Action** Image is possibly corrupt. Try to load a different image.

**Message** PLATFORM-0-SYS\_RESET: [chars] System shutdown in [dec] seconds

**Explanation** System shutdown in [decimal digit] seconds.

**Recommended Action** Please perform a 'show environment temperature' to collect more information.

**Message** PLATFORM-0-SYS\_SHUTDOWN\_FAN\_REMOVAL: System shutdown in [dec] seconds due to fan removal

**Explanation** System shutdown in [decimal digit] seconds due to removal of fan module.

**Recommended Action** Please perform a 'show environment fan' to collect more information.

**Message** PLATFORM-0-SYS\_SHUTDOWN\_MDS9124\_FAN\_FAIL: System shutdown in [dec] seconds due to less than 4 fans operating.

**Explanation** System shutdown in [decimal digit] seconds due to less than 4 fans operating.

**Recommended Action** Please perform a 'show environment fan' to collect more information.

**Message** PLATFORM-0-SYS\_SHUTDOWN: System shutdown in [dec] seconds due to major temperature alarm

**Explanation** System shutdown in [decimal digit] seconds due to temperature exceeding major threshold.

**Recommended Action** Please perform a 'show environment temperature' to collect more information.

**Message** PLATFORM-0-SYS\_SUP\_DRIVER\_LOAD\_FAILED: Failed to load supervisor module drivers

**Explanation** Failed to load drivers.

**Recommended Action** Image is possibly corrupt. Try to load a different image

**Message** PLATFORM-0-XBAR\_CARD\_CLK\_FAIL: Xbar card in slot:[dec] (Serial number [chars]) encountered clock failure

**Explanation** The xbar in slot [decimal digit] encountered clock failure.

**Recommended Action** No action is required.

**Message** PLATFORM-0-XBAR\_CARD\_INCOMPAT\_CHASSIS: Xbar card in slot:[dec] (Part number [chars]) Incompatible with backplane chassis Part Num:[chars]

**Explanation** The xbar in slot [decimal digit] is incompatible with backplane chassis.

**Recommended Action** No action is required.

**Message** PLATFORM-0-XBAR\_WRONGSLOTNUM: Xbar powered up in WRONG SLOT:[dec] (Serial number [chars])

**Explanation** The xbar in slot [decimal digit] powered up in wrong slot.

**Recommended Action** No action is required.

## PLATFORM-1

**Message** PLATFORM-1-FABRIC\_SWITCH\_FAN\_FAIL: Less than 4 required fans operating.

**Explanation** Fan module has failed leaving less than 4 total fans operating. Fan needs to be replaced. This can lead to overheating and temperature alarms.

**Recommended Action** Please perform a 'show platform internal info' to collect more information.'

**Message** PLATFORM-1-FAN\_FAIL: Fan module Failed

**Explanation** Fan module has failed and needs to be replaced. This can lead to overheating and temperature alarms.

**Recommended Action** Please perform a 'show plat form internal info' to collect more information.'

**Message** PLATFORM-1-PFM\_ALERT: [chars]

**Explanation** Platform Alert

**Recommended Action** No action is required.

**Message** PLATFORM-1-PS\_SINGLE\_INPUT: Both power inputs are connected for Power supplies, remove single-input configuration for optimal power usage

**Explanation** Current power supply redundancy mode may not be optimal

**Recommended Action** Please perform a 'show environment power' and 'show platform internal info' to collect more information.'

**Message** PLATFORM-1-XBAR\_PWRDENY: Xbar [dec] can not be powered up due to insufficient power (Serial number [chars])

**Explanation** Available power in power supplies is not sufficient to power up the xbar

**Recommended Action** You can verify available power and current usage using command 'show environment power'. Please Refer To Power Supply Document On How To Increase Power Supply Capacity.

## PLATFORM-2

**Message** PLATFORM-2-9134\_FAN\_FAIL: Fan module [dec] Failed

**Explanation** Fan module has failed and needs to be replaced. This can lead to overheating and temperature alarms.

**Recommended Action** Please perform a 'show platform internal info' to collect more information.

**Message** PLATFORM-2-9134\_FAN\_OK: Fan module [dec] ok

**Explanation** Fan module is ok.

**Recommended Action** No action is required.

**Message** PLATFORM-2-CASA\_FAN\_FAIL: Fan module [dec] Failed

**Explanation** Fan module has failed and needs to be replaced. This can lead to overheating and temperature alarms.

**Recommended Action** Please perform a 'show platform internal info' to collect more information.

**Message** PLATFORM-2-CASA\_FAN\_OK: Fan module [dec] ok

**Explanation** Fan module is ok.

**Recommended Action** No action is required.

**Message** PLATFORM-2-CHASSIS\_CLKMODFAULTY: Chassis clock module [dec] faulty

**Explanation** Clock module on chassis is faulty or has been removed.

**Recommended Action** Please perform a 'show platform internal info' to collect more information.

**Message** PLATFORM-2-CHASSIS\_CLKMODOK: Chassis clock module [dec] ok

**Explanation** Clock module on chassis is functioning properly.

**Recommended Action** No action is required.

**Message** PLATFORM-2-CHASSIS\_CLKSRC: Current chassis clock source is clock-[dec]

**Explanation** The current chassis clock source is [decimal digit].

**Recommended Action** No action is required.

**Message** PLATFORM-2-FANLET\_FAN\_FAIL: Failed Fanlets for Fan [dec] ([chars] fan): [chars]

**Explanation** The specified fanlets have failed. This can lead to overheating and temperature alarms.

**Recommended Action** Please perform a to collect more information 'show platform internal info' to collect more information.

**Message** PLATFORM-2-FANMOD\_FAN\_FAIL: Fan module [dec] ([chars] fan) Failed/Removed

**Explanation** Fan module has failed and needs to be replaced. This can lead to overheating and temperature alarms.

**Recommended Action** Please perform a 'show platform internal info' to collect more information.'

**Message** PLATFORM-2-FANMOD\_FAN\_OK: Fan module [dec] ([chars] fan) ok

**Explanation** Fan module is ok

**Recommended Action** No action is required.

**Message** PLATFORM-2-FAN\_FAIL\_: Fan [dec] Failed

**Explanation** Fan module has failed and needs to be replaced. This can lead to overheating and temperature alarms.

**Recommended Action** Please perform a 'show platform internal info' to collect more information.'

**Message** PLATFORM-2-FAN\_OK\_: Fan [dec] ok

**Explanation** Fan is ok

**Recommended Action** No action is required.

**Message** PLATFORM-2-FAN\_OK: Fan module ok

**Explanation** Fan module is ok

**Recommended Action** No action is required.

**Message** PLATFORM-2-FAN\_REMOVED: Fan module [dec] (Serial number [chars]) [chars] removed

**Explanation** Fan module is removed

**Recommended Action** No action is required.

**Message** PLATFORM-2-FAN\_REMOVED\_: Fan module [dec] [chars] removed

**Explanation** Fan module is removed

**Recommended Action** No action is required.

**Message** PLATFORM-2-INSUFFICIENT\_MAC: program management port on all the non-default VDCs

**Explanation** Could not program the mac address for the management port of all the VDCs

**Recommended Action** No action is required.

**Message** PLATFORM-2-MEMORY\_ALERT\_RECOVERED: Memory Status Alert: [chars]

**Explanation** Memory alert event received

**Recommended Action** None

**Message** PLATFORM-2-MEMORY\_ALERT: Memory Status Alert: [chars]. Usage [chars]% of Available Memory

**Explanation** Memory alert event received

**Recommended Action** None

**Message** PLATFORM-2-MOD\_ALL\_PWRDN\_NOXBAR: All modules powered down due to non-availability of xbar modules

**Explanation** All modules in switch are powered down because all xbar modules are offline

**Recommended Action** Please perform a 'show module', 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' to collect more information if you suspect module has been powered down due to errors. At least one Xbar module has to be for modules to function'

**Message** PLATFORM-2-MOD\_DETECT: Module [dec] detected (Serial number [chars]) Module-Type [chars] Model [chars]

**Explanation** A new module in slot [decimal digit] is detected.

**Recommended Action** No action is required.

**Message** PLATFORM-2-MOD\_PWRDENY: Module [dec] can not be powered up due to insufficient power (Serial number [chars])

**Explanation** Available power in power supplies is not sufficient to power up the module

**Recommended Action** You can verify available power and current usage using command 'show environment power'. Please refer to power supply document on how to increase power supply capacity.

**Message** PLATFORM-2-MOD\_PWRDN: Module [dec] powered down (Serial number [chars])

**Explanation** The module in slot [decimal digit] is powered down.

**Recommended Action** Please perform a 'show module', 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' to collect more information if you suspect module has been powered down due to errors'

**Message** PLATFORM-2-MOD\_PWRFAIL\_EJECTORS\_OPEN: All ejectors open, Module [dec] will not be powered up (Serial number [chars])

**Explanation** The module can not be powered up because all the ejectors are open

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sptom xbar [dec] [dec]' to read module IDPROM contents to collect more information

**Message** PLATFORM-2-MOD\_PWRFAIL: Module [dec] failed to power up (Serial number [chars])

**Explanation** The module in slot [decimal digit] failed to power up

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and to collect more information.

**Message** PLATFORM-2-MOD\_PWRIDPROMFAIL: Module [dec] failed to power up due to IDPROM read error

**Explanation** The module can not be powered up due to IDPROM read error

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sptom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

**Message** PLATFORM-2-MOD\_PWRIDPROM\_SW\_CARD\_ID\_UNKNOWN: Module [dec] failed to power up. (Unknown card. Could not get software-card-id)

**Explanation** The module can not be powered up due to missing SWID in core-plugin for this CARDID

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

**Message** PLATFORM-2-MOD\_PWRUP\_XBAR: Modules powered up due to xbar availability

**Explanation** Modules powered up because at least one xbar module is online

**Recommended Action** No action needed

**Message** PLATFORM-2-MOD\_PWRUP: Module [dec] powered up (Serial number [chars])

**Explanation** The module in slot [decimal digit] is powered up.

**Recommended Action** No action is required.

**Message** PLATFORM-2-MOD\_REMOVE: Module [dec] removed (Serial number [chars])

**Explanation** The module in slot [decimal digit] has been removed.

**Recommended Action** No action is required.

**Message** PLATFORM-2-MOD\_TEMPMAJOR2WARM: [chars] recovered from minor temperature alarm. Warm alarm pending. Sensor=[dec] Temperature=[dec] MajThreshold=[dec] WarmThreshold=[dec]

**Explanation** Module in slot [decimal digit] warm temperature threshold.

**Recommended Action** Please perform a 'show environment temperature' to collect more information.'

**Message** PLATFORM-2-MOD\_TEMPMAJOR\_OK: [chars] recovered from major temperature alarm. Sensor=[dec] Temperature=[dec] MajThreshold=[dec]

**Explanation** Module in slot [decimal digit] major temperature threshold.

**Recommended Action** Please perform a 'show environment temperature' to collect more information.

**Message** PLATFORM-2-MOD\_TEMPMINALRM: [chars] reported minor temperature alarm. Sensor=[dec] Temperature=[dec] MinThreshold=[dec]

**Explanation** Module in slot [decimal digit] has exceeded minor temperature threshold.

**Recommended Action** Please perform a 'show environment temperature' to collect more information.



**Message** PLATFORM-2-MOD\_TEMPMINOR2WARM: [chars] recovered from minor temperature alarm. Warm alarm pending. Sensor=[dec] Temperature=[dec] MinTheshold=[dec] WarmThreshold=[dec]

**Explanation** Module in slot [decimal digit] warm temperature threshold.

**Recommended Action** Please perform a 'show environment temperature' to collect more information.

**Message** PLATFORM-2-MOD\_TEMPPOK: [chars] recovered from minor temperature alarm. Sensor=[dec] Temperature=[dec] MinThreshold=[dec]

**Explanation** Module in slot [decimal digit] minor temperature threshold.

**Recommended Action** Please perform a show environment temperature' to collect more information.

**Message** PLATFORM-2-MOD\_TEMPRECOVER: [chars] recovered from major temperature alarm. Minor temperature alarm pending. Sensor=[dec] Temperature=[dec] MajThreshold=[dec] MinThresh=[dec]

**Explanation** Module in slot [decimal digit] recovered from major temperature threshold. Minor threshold still exceeded.

**Recommended Action** Please perform a 'show environment temperature' to collect more information.

**Message** PLATFORM-2-MOD\_TEMPWARM\_OK: [chars] recovered from warm temperature alarm. Sensor=[dec] Temperature=[dec] WarmThreshold=[dec]

**Explanation** Module in slot [decimal digit] warm temperature threshold.

**Recommended Action** Please perform a 'show environment temperature' to collect more information

**Message** PLATFORM-2-PFM\_CRITICAL: [chars]

**Explanation** Platform Critical

**Recommended Action** No action is required.

**Message** PLATFORM-2-PFM\_FATW\_BUS\_SWITCH\_FAIL: Backplane two wire [chars] bus connection fault detected but failed to perform bus switchover (BUS\_A to BUS\_B)

**Explanation** Could not access some modules using BUS\_A, but can access using BUS\_B

**Recommended Action** Please perform a 'show platform internal err'

**Message** PLATFORM-2-PFM\_FATW\_BUS\_SWITCH: Backplane two wire [chars] bus connection or device fault caused bus switchover (BUS\_A to BUS\_B)

**Explanation** Could not access some modules using BUS\_A, but can access using BUS\_B

**Recommended Action** Please perform a 'show platform internal err'

**Message** PLATFORM-2-PFM\_IMG\_CMPT\_FAIL: Image version is not supported in this chassis.

**Explanation** This image version is not supported in this chassis.

**Recommended Action** Sup-platform

**Message** PLATFORM-2-PFM\_LC\_BOOT\_DEV\_ABSENT: No bootflash found in Module [dec]

**Explanation** No bootflash found.

**Recommended Action** Try to put in a bootflash in the module and try again.

**Message** PLATFORM-2-PFM\_LC\_BOOT\_DEV\_FAIL: Bootflash access error in Module [dec]

**Explanation** Bad bootflash/corrupted filesystem.

**Recommended Action** Try to put in a known good bootflash in the module and try again.

**Message** PLATFORM-2-PFM\_LC\_MOD\_POWERED\_DOWN: Module [dec] Powered Down. Module is not supported in this chassis. (Chassis Incompatible card)

**Explanation** Module Powered Down, because Module is not supported in this chassis. (Chassis Incompatible card)

**Recommended Action** Please perform a 'show module' to see the Power Down reason.'

**Message** PLATFORM-2-PFM\_LC\_NETBOOT\_FAIL: Netboot for Module [dec] failed

**Explanation** Netboot failed.

**Recommended Action** Try to replace the BIOS in the module.

**Message** PLATFORM-2-PFM\_LC\_REGISTRATION\_FAIL: Could not register with Module [dec]

**Explanation** Module registration failed.

**Recommended Action** Try to replace the module.

**Message** PLATFORM-2-PFM\_LC\_STATUS: Module [dec] powered up with [dec] status

**Explanation** Status for the module that failed registration.

**Recommended Action** Try to replace the module.

**Message** PLATFORM-2-PFM\_LOW\_MEMORY\_CONDITION: Module [dec] is running low on memory. %ld percent used

**Explanation** Supervisor is running low on memory

**Recommended Action** Switchover

**Message** PLATFORM-2-PFM\_MODULE\_POWER\_OFF\_TRIGGER: Power-off [chars] due to [chars] policy trigger

**Explanation** Policy trigger initiated a module power off

**Recommended Action** None

**Message** PLATFORM-2-PFM\_MODULE\_POWER\_OFF: Manual power-off of [chars] from Command Line Interface

**Explanation** User initiated a module power-off from the CLI

**Recommended Action** None

**Message** PLATFORM-2-PFM\_MODULE\_POWER\_ON: Manual power-on of [chars] from Command Line Interface

**Explanation** User initiated a module power-on from the CLI

**Recommended Action** None

**Message** PLATFORM-2-PFM\_MODULE\_RESET: Manual restart of Module [dec] from Command Line Interface

**Explanation** User initiated a module reload from the CLI

**Recommended Action** None

**Message** PLATFORM-2-PFM\_NETBOOT\_DISABLE: Netboot for supervisor module in slot [dec] is disabled due to incompatible platform

**Explanation** Standby supervisor failed to power up.

**Recommended Action** Try to replace the standby supervisor.

**Message** PLATFORM-2-PFM\_PREP\_DEEP\_SLEEP: Supervisor module in slot [dec] preparing to enter deep sleep mode

**Explanation** Deep sleep mode initiated by the Connectivity Management Processor (CMP) for this supervisor

**Recommended Action** No action is required.

**Message** PLATFORM-2-PFM\_PWR\_MGMT\_EPLD\_VER\_MISMATCH: Module [dec] Pwr Mgmt Epld (Version-[dec]) needs to be upgraded

**Explanation** Using a wrong version of Epld version can result in unexplainable behaviour

**Recommended Action** Upgrade Power Management EPLD

**Message** PLATFORM-2-PFM\_STDBY\_POWERUP\_FAIL: standby supervisor failed to powerup

**Explanation** Standby supervisor failed to power up.

**Recommended Action** Try to replace the standby supervisor.

**Message** PLATFORM-2-PFM\_SYSTEM\_RESET\_TRIGGER: System restart due to [chars] policy trigger

**Explanation** Policy/trigger initiated a system reload

**Recommended Action** None

**Message** PLATFORM-2-PFM\_SYSTEM\_RESET: Manual system restart from Command Line Interface

**Explanation** User initiated a system reload from the CLI

**Recommended Action** None

**Message** PLATFORM-2-PFM\_SYSTEM\_SHUTDOWN\_TRIGGER: System shutdown due to [chars] policy trigger

**Explanation** Policy/trigger initiated a system shutdown

**Recommended Action** None

**Message** PLATFORM-2-PFM\_XBAR\_RESET: Manual restart of Xbar [dec] from Command Line Interface

**Explanation** User initiated a xbar reload from the CLI

**Recommended Action** None

**Message** PLATFORM-2-PLUGIN\_ABSENT: Module in slot [dec] (sw\_card\_id=[dec]) has missing plugin

**Explanation** Plugin not loaded, The LC cannot be powered up

**Recommended Action** Load the associated plugin

**Message** PLATFORM-2-PS\_ABSENT: Power supply [dec] is absent/shutdown, PS-redundancy might be affected

**Explanation** Power Supply is absent.

**Recommended Action** No action is required.

**Message** PLATFORM-2-PS\_ALI\_ONE\_POWERSUPPLY\_WORK\_AROUND: only one Power supply is functional; connect at least two Power supply

**Explanation** Only one power supply is functional. The Cisco MDS 9250i Switch requires at least two power supplies.

**Recommended Action** Please perform a 'show environment power' and 'show platform internal info' to collect more information.'

**Message** PLATFORM-2-PS\_ALI\_ONE\_POWERSUPPLY: Only one Power supply is functional; Switch will be shutting down in [dec] mins

**Explanation** Only one power supply is functional. The Cisco MDS 9250i Switch requires at least two power supplies.

**Recommended Action** Please perform a 'show environment power' and 'show platform internal info' to collect more information.'

**Message** PLATFORM-2-PS\_ALI\_TWO\_POWERSUPPLY: Only two Power supply are functional, please connect third Power Supply for redundancy

**Explanation** Only two Power supply are functional, please connect third Power supply for redundancy

**Recommended Action** Please perform a 'show environment power' and 'show platform internal info' to collect more information.'

**Message** PLATFORM-2-PS\_CAPACITY\_CHANGE: Power supply PS [dec] changed its capacity, possibly due to power cable removal/insertion (Serial number [chars])

**Explanation** Detected power supply capacity change.

**Recommended Action** Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc. Please perform 'show environment power' and 'show platform internal info' to collect more information.'

**Message** PLATFORM-2-PS\_CAPACITY\_DIFFER: Detected power supplies with differing capacity. It is recommended to have same capacity for both power supplies otherwise it may cause service disruptions

**Explanation** Detected a power supply that has differing capacity than an the other power supply.

**Recommended Action** Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc. Please perform 'show environment power' and 'show platform internal info' to collect more information.

**Message** PLATFORM-2-PS\_DETECT: Power supply [dec] detected but shutdown (Serial number [chars])

**Explanation** Power Supply is detected but shutdown.

**Recommended Action** Please perform a 'show environment power' and 'show platform internal info' to collect more information.

**Message** PLATFORM-2-PS\_FAIL: Power supply [dec] failed or shut down (Serial number [chars])

**Explanation** Power Supply has failed or has been shutdown

**Recommended Action** Please perform a 'show environment power' and 'show platform internal info' to collect more information. Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc.

**Message** PLATFORM-2-PS\_FANFAIL: Fan in Power supply [dec] failed

**Explanation** Fan module in the Power Supply has failed

**Recommended Action** Please perform a 'show environment power' and 'show platform internal info' to collect more information.

**Message** PLATFORM-2-PS\_FANOK: Fan in Power supply [dec] OK

**Explanation** Fan module in the Power Supply is OK.

**Recommended Action** No action is required.

**Message** PLATFORM-2-PS\_MISMATCH: Detected power supply [chars]. This reduces the redundant power available to the system and can cause service disruptions (Serial number [chars])

**Explanation** Detected a new power supply that has reduced capacity than an existing power supply.

**Recommended Action** Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc. Please perform 'show environment power' and 'show platform internal info' to collect more information.

**Message** PLATFORM-2-PS\_OK: Power supply [dec] OK (Serial number [chars])

**Explanation** Power Supply is OK.

**Recommended Action** No action is required.

**Message** PLATFORM-2-PS\_PWR\_INPUT\_MISSING: Power supply [dec] present but all AC/DC inputs are not connected, power redundancy might be affected

**Explanation** Power Supply is present but not at full capacity.

**Recommended Action** No action is required.

**Message** PLATFORM-2-PS\_RED\_MODE\_CHG: Power supply redundancy mode changed to [chars]

**Explanation** Power supply redundancy mode changed notification

**Recommended Action** Please perform a 'show environment power' and 'show platform internal info' to collect more information.

**Message** PLATFORM-2-PS\_RED\_MODE\_RESTORED: Power redundancy operational mode changed to configured mode

**Explanation** Power Supply redundancy mode changes.

**Recommended Action** No action is required.

**Message** PLATFORM-2-PS\_REMOVE\_LAST: Unexpected removal of last power supply [dec]. (Serial number [chars])

**Explanation** Unexpected removal the only power supply in the system.

**Recommended Action** Power supply unit may be faulty. Contact CISCO to replace the unit.

**Message** PLATFORM-2-PS\_REMOVE: Power supply [dec] removed (Serial number [chars])

**Explanation** Power Supply is removed.

**Recommended Action** No action is required.

**Message** PLATFORM-2-PS\_UNKNOWN: Detected an unknown power supply [dec] for CISCO Multilayer Switch (Serial number [chars])

**Explanation** Unable to determine power supply type. Default power supply types will be assumed.

**Recommended Action** Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc.

**Message** PLATFORM-2-PS\_UNSUPPORTED: Detected an unsupported power supply [dec] [chars] for CISCO Multilayer Switch (Serial number [chars])

**Explanation** This power supply is not supported for the CISCO Multilayer Switches.

**Recommended Action** Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc.

**Message** PLATFORM-2-SYS\_IDPROMBAD\_RECOVER\_FAIL: Chassis IDPROM [dec] data re-initialization UN-successful. Data is invalid

**Explanation** Chassis IDPROM [decimal digit] re-initialization was unsuccessful. Data is invalid.

**Recommended Action** Please perform a 'shows prom module [decimal digit]1' to read module IDPROM contents and collect more information.

**Message** PLATFORM-2-SYS\_IDPROMBAD\_RECOVER\_PASS: Chassis IDPROM [dec] data re-initialized successfully

**Explanation** Chassis IDPROM [decimal digit] invalid data was successfully re-initialized to valid.

**Recommended Action** Please perform a 'shows prom module [decimal digit]1' to read module IDPROM contents and collect more information.

**Message** PLATFORM-2-SYS\_IDPROMBAD: Chassis IDPROM [dec] data invalid

**Explanation** Chassis IDPROM [decimal digit] contains invalid data.

**Recommended Action** Please perform a 'shows prom module [decimal digit]1' to read module IDPROM contents and collect more information.

**Message** PLATFORM-2-XBAR\_DETECT: Xbar [dec] detected (Serial number [chars])

**Explanation** A new xbar in slot [decimal digit] is detected.

**Recommended Action** No action is required.

**Message** PLATFORM-2-XBAR\_PWRFAIL\_EJECTORS\_OPEN: All ejectors open, Xbar [dec] will not be powered up (Serial number [chars])

**Explanation** The xbar can not be powered up because all the ejectors are open

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.



**Message** PLATFORM-2-XBAR\_REMOVE: Xbar [dec] removed (Serial number [chars])

**Explanation** The xbar in slot [decimal digit] has been removed.

**Recommended Action** No action is required.

## PLATFORM-3

**Message** PLATFORM-3-EJECTOR\_STAT\_CHANGED: Ejectors status in slot[dec] has changed, [chars] Ejector is [chars], [chars] Ejectors [chars]'

**Explanation** Ejector status has changed

**Recommended Action** None

**Message** PLATFORM-3-MOD\_BRINGUP\_MULTI\_LIMIT: Giving up after multiple attempts were made to bring up the Module [dec], (Serial number [chars])

**Explanation** The module can not be powered up even after three attempts

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

**Message** PLATFORM-3-MOD\_PWRFAIL\_MULTI: Module [dec] failed to power up multiple times (Serial number [chars])

**Explanation** The module can not be powered up even after three attempts

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

**Message** PLATFORM-3-PFM\_ERROR: [chars]

**Explanation** Platform Error

**Recommended Action** No action is required.

**Message** PLATFORM-3-SINGLE\_EJECTOR\_STAT\_CHANGED: Ejectors status in slot [dec] has changed, Ejectors [chars]'

**Explanation** Ejector status has changed

**Recommended Action** None

**Message** PLATFORM-3-XBAR\_BRINGUP\_MULTI\_LIMIT: Giving up after multiple attempts were made to bring up the Xbar [dec], (Serial number [chars])

**Explanation** The module can not be powered up even after three attempts

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

**Message** PLATFORM-3-XBAR\_PWRFAIL\_MULTI: Xbar [dec] failed to power up multiple times (Serial number [chars])

**Explanation** The xbar can not be powered up even after three attempts

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

**Message** PLATFORM-3-XBAR\_PWRFAIL: Xbar [dec] failed to power up (Serial number [chars])

**Explanation** The xbar in slot [decimal digit] failed to power up

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and to collect more information.

**Message** PLATFORM-3-XBAR\_PWRIDPROMFAIL: Xbar [dec] failed to power up due to IDPROM read error

**Explanation** The xbar can not be powered up due to IDPROM read error

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

**Message** PLATFORM-3-XBAR\_PWRIDPROM\_SW\_CARD\_ID\_UNKNOWN: Xbar [dec] failed to power up. (Unknown card. Could not get software-card-id)

**Explanation** The xbar can not be powered up due to missing SWID in core-plugin for this CARDID

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

## PLATFORM-4

**Message** PLATFORM-4-MOD\_TEMPACCESSFAIL: [chars] temperature sensor [dec] access failed

**Explanation** Module in slot [decimal digit] unable to access temperature sensor.

**Recommended Action** Please perform a 'show environment temperature' to collect more information.

**Message** PLATFORM-4-MOD\_TEMPFAIL: [chars] temperature sensor [dec] failed

**Explanation** Module in slot [decimal digit] contains a faulty temperature sensor.

**Recommended Action** Please perform a 'show environment temperature' to collect more information.

**Message** PLATFORM-4-PFM\_FAN\_FLTR\_STATUS: Fan Filter status: [chars]

**Explanation** Fan Filter status: Present/Absent

**Recommended Action** Please perform a 'show platform internal info.'

**Message** PLATFORM-4-PFM\_PS\_RED\_MODE\_CHG: Power redundancy mode changed to [chars]

**Explanation** Power redundancy mode changed

**Recommended Action** Please perform a 'show platform internal info.'

**Message** PLATFORM-4-PFM\_WARNING: [chars]

**Explanation** Platform Warning

**Recommended Action** No action is required.

## PLATFORM-5

**Message** PLATFORM-5-FAN\_DETECT: Fan module [dec] (Serial number [chars]) [chars] detected

**Explanation** Fan module is detected

**Recommended Action** No action is required.

**Message** PLATFORM-5-FAN\_DETECT\_: Fan module [dec] [chars] detected

**Explanation** Fan module is detected

**Recommended Action** No action is required.

**Message** PLATFORM-5-FAN\_STATUS: Fan module [dec] (Serial number [chars]) [chars] current-status is [chars]

**Explanation** Fan module changed status

**Recommended Action** No action is required.

**Message** PLATFORM-5-FAN\_STATUS\_: Fan module [dec] [chars] current-status is [chars]

**Explanation** Fan module changed status

**Recommended Action** No action is required.

**Message** PLATFORM-5-FEX\_FAN\_DETECT: Fex [dec] Fan Module [dec] detected

**Explanation** FEX Fan module is detected

**Recommended Action** No action is required.

**Message** PLATFORM-5-FEX\_FAN\_REMOVE: Fex [dec] Fan Module [dec] removed

**Explanation** FEX Fan module is removed

**Recommended Action** No action is required.

**Message** PLATFORM-5-FEX\_PS\_FOUND: Fex [dec] Power Supply [dec] found (Serial number [chars])

**Explanation** FEX power supply is found

**Recommended Action** No action is required.

**Message** PLATFORM-5-FEX\_PS\_REMOVE: Fex [dec] Power Supply [dec] removed (Serial number [chars])

**Explanation** FEX power supply is removed

**Recommended Action** No action is required.

**Message** PLATFORM-5-MOD\_STATUS: [chars] current-status is [chars]

**Explanation** Module in slot [decimal digit] changed status.

**Recommended Action** No action is required.

**Message** PLATFORM-5-PFM\_NOTICE: [chars]

**Explanation** Platform Notice

**Recommended Action** No action is required.

**Message** PLATFORM-5-PS\_FOUND: Power supply [dec] found (Serial number [chars])

**Explanation** Power Supply is detected.

**Recommended Action** No action is required.

**Message** PLATFORM-5-PS\_STATUS: Power Supply [dec] current-status is [chars] [chars]

**Explanation** Module in slot [decimal digit] changed status.

**Recommended Action** No action is required.

**Message** PLATFORM-5-XBAR\_PWRDN: Xbar [dec] powered down (Serial number [chars])

**Explanation** The xbar in slot [decimal digit] is powered down.

**Recommended Action** Please perform a 'show module xbar', 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' to collect more information if you suspect module has been powered down due to errors.'

**Message** PLATFORM-5-XBAR\_PWRUP: Xbar [dec] powered up (Serial number [chars])

**Explanation** The xbar in slot [decimal digit] is powered up.

**Recommended Action** No action is required.

## PLATFORM-6

**Message** PLATFORM-6-PFM\_INFO: [chars]

**Explanation** Platform Info

**Recommended Action** No action is required.

## PLATFORM-7

**Message** PLATFORM-7-PFM\_CLOCK\_UPD\_FAIL: Clock update failed due to context-switch delay of [dec] msec

**Explanation** System shutdown in [decimal digit] seconds.

**Recommended Action** Please perform a 'show environment temperature' to collect more information.

## PLOG\_SUP Messages

This section contains the PLOG\_SUP messages.

### PLOG\_SUP-4

**Message** PLOG\_SUP-4-PLOG\_SUP\_EXIT: Persistent Logger encountered an error [dec].

**Explanation** Persistent Logger encountered an error

**Recommended Action** No action is required.

## PLOG Messages

This section contains the PLOG messages.

### PLOG-4

**Message** PLOG-4-PLOG\_LC\_EXIT: Persistent Logger encountered an error [dec]

**Explanation** Persistent Logger encountered an error

**Recommended Action** No action is required.

## PLSM Messages

This section contains the PLSM messages.

### PLSM-3

**Message** PLSM-3-EDP\_ERR: Interface [chars] in Error Disabled Policy (EDP) state  
Check: show interface status error policy [detail]

**Explanation** Error Disabled Policy State for a interface.

**Recommended Action** None

## PLSM-6

**Message** PLSM-6-SEQ\_INFO: EDP State Cleared for interface [chars] vlans [chars]

**Explanation** EDP State cleared for a interface.

**Recommended Action** None

## PLTFM\_CONFIG Messages

This section contains the PLTFM\_CONFIG messages.

### PLTFM\_CONFIG-3

**Message** PLTFM\_CONFIG-3-PC\_ACL\_LOU\_COMMIT\_RESPONSE\_FAIL\_LOG: LOU threshold commit failed.

**Explanation** LOU threshold response to commit failed.

**Recommended Action** No action is required.

**Message** PLTFM\_CONFIG-3-PC\_ACL\_LOU\_COMMIT\_TIMEOUT\_LOG: LOU threshold commit timed out.

**Explanation** LOU threshold response to commit timed out.

**Recommended Action** No action is required.

**Message** PLTFM\_CONFIG-3-PC\_ACL\_LOU\_VERIFY\_RESPONSE\_FAIL\_LOG: LOU threshold verification failed, active acls are using more LOUs than requested threshold, aborting operation.

**Explanation** LOU threshold response to verify failed, so sending abort msg to all LC aclqos.

**Recommended Action** No action is required.

**Message** PLTFM\_CONFIG-3-PC\_ACL\_LOU\_VERIFY\_TIMEOUT\_LOG: LOU threshold verification timed out, aborting operation.

**Explanation** LOU threshold response to verify timed out, so sending abort msg to all LC aclqos.

**Recommended Action** No action is required.

## PLTFM\_CONFIG-4

**Message** PLTFM\_CONFIG-4-PC\_RBH\_MODULO\_CONFIG\_PROXY\_VDC: Some VDCs are in proxy mode and RBH modulo may not work properly for those VDCs

**Explanation** Port-channel load-balancing works properly for non proxy VDCs only.

**Recommended Action** No action is required.

**Message** PLTFM\_CONFIG-4-PC\_VDC\_CONFIG\_RBH\_MODULO: This VDC (vdc\_id: [dec]) is a proxy VDC and the RBH modulo may not work properly for this VDC.

**Explanation** Port-channel load-balancing works properly for non proxy VDCs only.

**Recommended Action** No action is required.

**Message** PLTFM\_CONFIG-4-XL\_LICENSE\_MIX\_NOTIFY: Mixed use of non-XL with XL modules in the same VDC may limit common resources to non-XL capacity.

**Explanation** This is a reminder that mixing non-XL and XL modules in the same VDC may limit XL modules to the capacity of non-XL modules.

**Recommended Action** No action is required.

## PLUGIN Messages

This section contains the PLUGIN messages.

### PLUGIN-2

**Message** PLUGIN-2-LOAD\_REQUEST\_FAILED\_ON\_STANDBY: Load request failed on standby. rc ([hex])

**Explanation** Load request failed on standby

**Recommended Action** No action is required.

**Message** PLUGIN-2-NOTIFY\_MSG\_FAILURE: Plugin notify message ([chars]) returned failure (rc [hex])

**Explanation** Plugin notify message returned failure.

**Recommended Action** No action is required.



**Message** PLUGIN-2-NO\_MEMORY: Memory allocation failed (size [dec])

**Explanation** The service failed to allocate memory.

**Recommended Action** No action is required.

**Message** PLUGIN-2-PLUGIN\_EXTRACT\_FAILED\_ON\_STANDBY: Plugin extraction failed on standby. rc ([hex])

**Explanation** Plugin extraction failed on standby

**Recommended Action** No action is required.

**Message** PLUGIN-2-PLUGIN\_LOAD\_INTERNAL\_ERROR: Plugin has internal error during load operation. Reason: [chars]

**Explanation** Plugin has internal error

**Recommended Action** No action is required.

**Message** PLUGIN-2-PLUGIN\_UNLOAD\_INTERNAL\_ERROR: Plugin has internal error during unload operation. Reason: [chars]

**Explanation** Plugin has internal error

**Recommended Action** No action is required.

**Message** PLUGIN-2-SEND\_NOTIFY\_MSG\_FAILED: Failed to send plugin notify message ([chars]). Reason: [chars]

**Explanation** Failed to send plugin notify message

**Recommended Action** No action is required.

**Message** PLUGIN-2-UNEXPECTED\_LOAD\_SYNC: Received unexpected plugin load sync. Current plugin request ([dec])

**Explanation** Standby received load sync and current standby does not have an outstanding load request

**Recommended Action** No action is required.

**Message** PLUGIN-2-UNEXPECTED\_UNLOAD\_SYNC: Received unexpected plugin unload sync. Current plugin request ([dec])

**Explanation** Standby received unload sync and current standby does not have an outstanding unload request

**Recommended Action** No action is required.

**Message** PLUGIN-2-UNLOAD\_REQUEST\_FAILED\_ON\_STANDBY: Unload request failed on standby. rc ([hex])

**Explanation** Unload request failed on standby

**Recommended Action** No action is required.

**Message** PLUGIN-2-UPDATE\_SYS\_INFO\_FAILED: Failed to update system information ([chars])

**Explanation** Failed to update system information

**Recommended Action** No action is required.

## PLUGIN-3

**Message** PLUGIN-3-MSG\_SEND\_FAILURE: failed to send [chars] to sap [dec]/[dec]: [chars]

**Explanation** Failed to send a message

**Recommended Action** No action is required.

## PMON Messages

This section contains the PMON messages.

### PMON-2

**Message** PMON-2-PGMON\_RISING\_THRESHOLD: [chars].

**Explanation** Port Group Rising Threshold Crossed

**Recommended Action** No action is required.

**Message** PMON-2-PMON\_CRIT\_INFO: Port Monitor Critical Information: [chars].

**Explanation** Port Monitor Critical Information

**Recommended Action** No action is required.

**Message** PMON-2-PMON\_INIT\_FAIL: Port Monitor: [chars].

**Explanation** Initialization failed, need to exit.

**Recommended Action** No action is required.

**Message** PMON-2-PMON\_MTS\_FAIL: Port Monitor MTS Error: [chars].

**Explanation** Theres mts error.'

**Recommended Action** No action is required.

**Message** PMON-2-PMON\_PORTGUARD\_ACTION: [chars].

**Explanation** Port Guard config Applied

**Recommended Action** No action is required.

## PMON-3

**Message** PMON-3-PMON\_ERR\_INFO: Port Monitor Error: [chars].

**Explanation** Port Monitor error

**Recommended Action** No action is required.

## PMON-5

**Message** PMON-5-PGMON\_FALLING\_THRESHOLD: [chars].

**Explanation** Port Group Falling Threshold Crossed

**Recommended Action** No action is required.

## PMON-6

**Message** PMON-6-PMON\_LOG\_INFO: Port Monitor Log Information: [chars].

**Explanation** Port Monitor Log Information

**Recommended Action** No action is required.

## PMON-SLOT-[num]-3-RISING\_THRESHOLD\_REACHED

**Message** PMON-SLOT[num]-3-RISING\_THRESHOLD\_REACHED: [port-monitor counter] has reached the rising threshold (port=fc[num] [num], value=[num]).

**Explanation** [port-monitor counter] rising threshold value was reached.

**Recommended Action** No action is required.

## PMON-SLOT-[num]-3-FALLING\_THRESHOLD\_REACHED

**Message** PMON-SLOT[num]-3-FALLING\_THRESHOLD\_REACHED: [port-monitor counter] has reached the falling threshold (port=[num] [num], value=[num]).

**Explanation** [port-monitor counter] falling threshold value was reached.

**Recommended Action** No action is required.

## POAP Messages

This section contains the POAP messages.

### POAP-2

**Message** POAP-2-POAP\_DHCP\_DISCOVER\_RECVD\_NAK: Received DHCP NAK

**Explanation** Received DHCP NAK

**Recommended Action** No action is required.

**Message** POAP-2-POAP\_DHCP\_DISCOVER\_START: POAP DHCP Discover phase started

**Explanation** POAP DHCP Discover phase started

**Recommended Action** No action is required.

**Message** POAP-2-POAP\_FAILURE: [chars]

**Explanation** POAP failure

**Recommended Action** No action is required.

**Message** POAP-2-POAP\_INFO: [chars]

**Explanation** POAP Info

**Recommended Action** No action is required.

**Message** POAP-2-POAP\_INITED: POAP process initialized

**Explanation** POAP process initialized

**Recommended Action** No action is required.

**Message** POAP-2-POAP\_SCRIPT\_DOWNLOADED: Successfully downloaded POAP script file

**Explanation** Successfully downloaded POAP script file

**Recommended Action** No action is required.

**Message** POAP-2-POAP\_SCRIPT\_EXEC\_SUCCESS: POAP script execution success

**Explanation** POAP script execution success

**Recommended Action** No action is required.

**Message** POAP-2-POAP\_SCRIPT\_STARTED\_MD5\_NOT\_VALIDATED: POAP script execution started(MD5 not validated)

**Explanation** POAP script execution started(MD5 not validated)

**Recommended Action** No action is required.

**Message** POAP-2-POAP\_SCRIPT\_STARTED\_MD5\_VALIDATED: POAP script execution started(MD5 validated)

**Explanation** POAP script execution started(MD5 validated)

**Recommended Action** No action is required.

**Message** POAP-2-POAP\_SCRIPT\_STARTED\_MD5\_VALIDATION\_FAIL: POAP boot file validation failed

**Explanation** POAP boot file validation failed.

**Recommended Action** No action is required.

## POAP-5

**Message** POAP-5-POAP\_DISABLED: POAP Disabled

**Explanation** POAP Service Disabled

**Recommended Action** No action is required.

**Message** POAP-5-POAP\_ENABLED: POAP Enabled

**Explanation** POAP Service enabled

**Recommended Action** No action is required.

## PONG Messages

This section contains the PONG messages.

### PONG-5

**Message** PONG-5-PONG\_DISABLED: Ping Manager disabled

**Explanation** Pong Service Enabled

**Recommended Action** No action is required.

**Message** PONG-5-PONG\_ENABLED: Pong Manager enabled

**Explanation** Pong Service Enabled

**Recommended Action** No action is required.

**Message** PONG-5-PONG\_INJECTED: Pong packet injected

**Explanation** Pong packet injected

**Recommended Action** No action is required.

## PORT-CHANNEL Messages

This section contains the PORT-CHANNEL messages.

### PORT-CHANNEL-1

**Message** PORT-CHANNEL-1-LC\_CFG\_FAILURE: configuring module [dec] failed [[chars]]

**Explanation** Module configuration failed

**Recommended Action** Module will be automatically reset

**Message** PORT-CHANNEL-1-MALLOC\_FAILED: cannot allocate memory (size [dec])

**Explanation** No enough memory

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-1-MAP\_PARAM\_FAILURE: mapping parameter failed for [chars] [[chars]]

**Explanation** Parameter mapping failed

**Recommended Action** Specified service is misbehaving; check its status

**Message** PORT-CHANNEL-1-MCAST\_SEND\_FAILURE: failed to send multicast [chars]: [chars]

**Explanation** Failed to send a multicast message to all modules, usually because some module went down

**Recommended Action** Run show port-channel consistency to check consistency

## PORT-CHANNEL-2

**Message** PORT-CHANNEL-2-AUTO\_CREATE\_DISABLED: [chars] has been deprecated; [chars] [chars]

**Explanation** Auto create port-channel is deprecated and disabled

**Recommended Action** Convert the auto created channel to persistent by doing port-channel <n

**Message** PORT-CHANNEL-2-RESET\_MODULE: reset module [dec] for not responding or returning error

**Explanation** A module is reset for not responding or returning error

**Recommended Action** No action is required.

## PORT-CHANNEL-3

**Message** PORT-CHANNEL-3-COMPAT\_CHECK\_FAILURE: [chars] is not compatible

**Explanation** Compatibility check failed when adding ports to port-channel

**Recommended Action** Make sure the compatibility parameters are consistent while adding ports to port-channel, or use force option

**Message** PORT-CHANNEL-3-GENERAL\_ERROR: [chars]

**Explanation** General error

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-3-LC\_CFG\_TIMEOUT\_ENTRY\_PORT\_ERR\_DISABLE: Failed to send LC config due to timeout, Port [chars] Err disabled

**Explanation** Failed to send a lc\_config message

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-3-LC\_CFG\_UCAST\_FAILED\_PORT\_ERR\_DISABLE: Failed to send LC config unicast msg, PORT [chars] Err disabled

**Explanation** Failed to send a lc\_config unicast message

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-3-LC\_CFG\_UCAST\_SEND\_FAILURE: Failed to send LC config Unicast msg to slot [dec] node [hex] sap [dec]: [chars]. Resetting LineCard

**Explanation** Failed to send a lc\_config unicast message

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-3-MSG\_SEND\_FAILURE: failed to send [chars] to sap [dec]: [chars]

**Explanation** Failed to send a message

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-3-PORT\_CHANNEL\_NOT\_FOUND: [chars] is not found

**Explanation** Cannot find port-channel in its database, which indicates an inconsistency with an external component

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-3-TIMEOUT: timed out after [dec] seconds [type [chars], state [chars]]

**Explanation** Some operation timed out

**Recommended Action** Run show port-channel consistency to check all module connectivity and consistency



## PORT-CHANNEL-4

**Message** PORT-CHANNEL-4-PORT\_CFG\_DELETED: [chars] removed from [chars]

**Explanation** Port is removed from a port-channel because different module was inserted or module config purged

**Recommended Action** You lost some ports from port-channel, check if you want to add ports in the new module to the same port-channel.

**Message** PORT-CHANNEL-4-PORT\_INDIVIDUAL: port [chars] is operationally individual

**Explanation** The port is operating as an individual link even though it is locally or remotely configured to be part of a port channel

**Recommended Action** Check the configuration of the port locally and remotely to ensure that it can operate as part of a port channel

**Message** PORT-CHANNEL-4-PORT\_NOT\_FOUND: port [chars] is not part of port-channel

**Explanation** Cannot find the port in port-channel database, which indicates an inconsistency with an external component

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-4-RACE\_WARN: [chars]

**Explanation** Warning of possible race condition

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-4-UNEXPECTED\_RESPONSE: unexpected response [chars] from [chars]

**Explanation** Received an unexpected response and discarded

**Recommended Action** No action is required.

## PORT-CHANNEL-5

**Message** PORT-CHANNEL-5-AUTO\_CREATE\_FAILURE: [chars] [chars]

**Explanation** Auto create process on the port failed

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-5-CREATED: [chars] created

**Explanation** A port-channel is created

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-5-DELETED: [chars] deleted

**Explanation** A port-channel is deleted

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-5-FOP\_CHANGED: [chars]: first operational port changed from [chars] to [chars]

**Explanation** The first operational port in a port-channel is changed

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-5-MAX\_CHANNEL\_DISALLOWED: Module failed to come online because port channel interface <port-channel number

**Explanation** The port-channel number configured on the switch is larger than 128

**Recommended Action** Delete the set of port channel interface <port-channel interface

**Message** PORT-CHANNEL-5-PORT\_ADDED: [chars] added to [chars]

**Explanation** Ports are added to a port-channel

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-5-PORT\_DOWN: [chars]: [chars] is down

**Explanation** Port goes down in a port-channel

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-5-PORT\_REMOVED: [chars] removed from [chars]

**Explanation** Ports are removed from a port-channel

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-5-PORT\_UP: [chars]: [chars] is up

**Explanation** Port comes up in a port-channel

**Recommended Action** No action is required.

## PORT-CHANNEL-6

**Message** PORT-CHANNEL-6-RESYNC: resyncing [chars] with all modules

**Explanation** Resync modules with sup after an error or switchover

**Recommended Action** No action is required.

## PORT-CHANNEL-7

**Message** PORT-CHANNEL-7-GSYNC\_DONE: global synchronization is done

**Explanation** Port-channel manager finished global synchronization

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-7-GSYNC\_REQ: requesting global synchronization

**Explanation** Port-channel manager requested a global synchronization from active sup

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-7-START\_ACTIVE: started in active mode

**Explanation** Port-channel manager started in active mode

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-7-START\_DEFAULT: started with default configuration

**Explanation** Port-channel manager started with default configuration

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-7-START\_STANDBY: started in standby mode

**Explanation** Port-channel manager started in standby mode

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-7-START\_STATEFUL: started statefully

**Explanation** Port-channel manager started with running configuration

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-7-START\_STATELESS: started statelessly

**Explanation** Port-channel manager started with startup configuration

**Recommended Action** No action is required.

## PORT-PROFILE Messages

This section contains the PORT-PROFILE messages.

### PORT-PROFILE-2

**Message** PORT-PROFILE-2-IF\_REFRESH\_FAILED: Interface Database Refresh failed for [chars]

**Explanation** Interface Database Refresh failed

**Recommended Action** No action is required.

### PORT-PROFILE-3

**Message** PORT-PROFILE-3-ALLOC\_FAILED: Failed in File: [chars] Line: [dec] for type [dec] size [dec]

**Explanation** SDM process could not allocate heap memory in File: [chars], at line: [dec], for memory-type:[dec] of Size:[dec]

**Recommended Action** No action is required.

**Message** PORT-PROFILE-3-ASSERTION\_FAILED: Failed in File: [chars] Line: [dec]

**Explanation** PPM Process assertion failed in File: [chars], at line: [dec]

**Recommended Action** No action is required.

**Message** PORT-PROFILE-3-CREATE\_IF\_FAILED: Running-config collection Failed for intf range [chars]

**Explanation** Running-config collection failed for: [chars]

**Recommended Action** No action is required.

**Message** PORT-PROFILE-3-IF\_APPLY\_FAILED: Config Apply Failed

**Explanation** Config Apply Failed

**Recommended Action** No action is required.

**Message** PORT-PROFILE-3-INTERFACE\_NO\_SHUTDOWN\_FAILED: Interface no shutdown failed for [chars] after profile re-inherit

**Explanation** Interface could not be shutdown after profile re-inherit

**Recommended Action** No action is required.

**Message** PORT-PROFILE-3-INTERFACE\_SHUTDOWN\_FAILED: Interface shutdown failed for [chars] after failure to apply commands

**Explanation** Interface could not be shutdown after failure to apply commands

**Recommended Action** No action is required.

**Message** PORT-PROFILE-3-PROFILE\_CREATE\_FAILED: Port-profile [chars] creation failed with error "[chars]"

**Explanation** Port-profile:[chars] creation failed with [:chars]

**Recommended Action** No action is required.

**Message** PORT-PROFILE-3-PROFILE\_DEINHERIT\_FAILED: Port-profile [chars] de-inherit failed with error [chars] on [chars]

**Explanation** Port-profile:[chars] de-inherit failed with [:chars] on [:chars]

**Recommended Action** No action is required.

**Message** PORT-PROFILE-3-PROFILE\_DELETE\_FAILED: Port-profile [chars] is deletion failed with error "[chars]"

**Explanation** Port-profile:[chars] deletion failed with [:chars]

**Recommended Action** No action is required.

**Message** PORT-PROFILE-3-PROFILE\_DISABLE\_FAILED: Port-profile [chars] disable failed with error "[chars]"

**Explanation** Port-profile:[chars] disable failed with [:chars]

**Recommended Action** No action is required.

**Message** PORT-PROFILE-3-PROFILE\_ENABLE\_FAILED: Port-profile [chars] enable failed with error "[chars]"

**Explanation** Port-profile:[chars] enable failed with [:chars]

**Recommended Action** No action is required.

**Message** PORT-PROFILE-3-PROFILE\_INHERIT\_FAILED: Port-profile [chars] inherit failed with error [chars] on [chars]

**Explanation** Port-profile:[chars] inherit failed with [:chars] on [:chars]

**Recommended Action** No action is required.

## PORT-PROFILE-6

**Message** PORT-PROFILE-6-PROFILE\_CREATED: Port-profile [chars] is created successfully

**Explanation** Port-profile:[chars] is created

**Recommended Action** No action is required.

**Message** PORT-PROFILE-6-PROFILE\_DEINHERITED: Port-profile [chars] is de-inherited successfully on [chars]

**Explanation** Port-profile:[chars] is de-inherited on [:chars]

**Recommended Action** No action is required.

**Message** PORT-PROFILE-6-PROFILE\_DELETED: Port-profile [chars] is deleted successfully

**Explanation** Port-profile:[chars] is deleted

**Recommended Action** No action is required.

**Message** PORT-PROFILE-6-PROFILE\_DISABLED: Port-profile [chars] is disabled successfully

**Explanation** Port-profile:[chars] is disabled

**Recommended Action** No action is required.

**Message** PORT-PROFILE-6-PROFILE\_ENABLED: Port-profile [chars] is enabled successfully

**Explanation** Port-profile:[chars] is enabled

**Recommended Action** No action is required.

**Message** PORT-PROFILE-6-PROFILE\_INHERITED: Port-profile [chars] is inherited successfully on [chars]

**Explanation** Port-profile:[chars] is inherited on [:chars]

**Recommended Action** No action is required.

## PORT-RESOURCES Messages

This section contains the PORT-RESOURCES messages.

### PORT-RESOURCES-3

**Message** PORT-RESOURCES-3-PRM\_MSG\_SEND\_FAILURE: failed to send [chars] to sap [dec]: [chars]

**Explanation** Failed to send a message

**Recommended Action** No action is required.

### PORT-RESOURCES-5

**Message** PORT-RESOURCES-5-INVALID\_PORT\_ACTIV\_PKG\_LICENSE\_FILE\_INSTALLED: Invalid on demand port activation license file is installed for module [dec] (number of port licenses = [dec])

**Explanation** Interfaces may not acquire port activation license during installation

**Recommended Action** Install a valid port activation license file

## PORT-SECURITY Messages

This section contains the PORT-SECURITY messages.

### PORT-SECURITY-2

**Message** PORT-SECURITY-2-ALLOC\_FAILED: Memory allocation failed for size:[dec] for [chars]

**Explanation** Memory allocation failed for size [dec] for [chars]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** PORT-SECURITY-2-FEATURE\_DISABLED: Feature [chars] disabled due to [chars]

**Explanation** Feature [chars] is unavailable and will be disabled now

**Recommended Action** Please install the correct license and reenable

## PORT-SECURITY-3

**Message** PORT-SECURITY-3-BINDING\_CONFLICT: [chars]

**Explanation** An already logged in device is in conflict with the PSM active binding configurations. [chars] indicates the WWN of the login entity, interface

**Recommended Action** For port-security, the auto-learn feature can be used with activation to prevent this. This violating device or switch will be logged out

**Message** PORT-SECURITY-3-BINDING\_VIOLATION: [chars]

**Explanation** A login happened that violates PSM binding configurations [chars] indicates the WWN of the login entity

**Recommended Action** Only entries in the activated database of PSM can login. Change the config and activate it again

**Message** PORT-SECURITY-3-CFS\_NOTIF\_ERR: [chars]

**Explanation** An error occurred during the processing of a CFS notification. [chars] indicates the actual cause for the error

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** PORT-SECURITY-3-DB\_ERR: [chars]

**Explanation** An error occurred during an PSM database operation. [chars] indicates the reason for the error

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** PORT-SECURITY-3-EFMD\_FC2\_OPER\_FAILED: [chars]

**Explanation** EFMD fc2 operation failed

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.



**Message** PORT-SECURITY-3-EFMD\_INIT\_FAILED: [chars]

**Explanation** EFMD initiate failed

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** PORT-SECURITY-3-EFMD\_MERGE\_UNKNOWN\_FORMAT: [chars]

**Explanation** Received a corrupted EFMD Request Packet

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** PORT-SECURITY-3-INIT\_FAIL: [chars]

**Explanation** An error happened during PSM Initialization. [chars] indicates the reason for failure

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** PORT-SECURITY-3-LEARNT\_BINDING\_CONFLICT: [chars]

**Explanation** An already logged in device that is learnt during activation is in conflict with the PSM active binding configurations. [chars] indicates the WWN of the login entity, interface

**Recommended Action** Copy the active-db to config-db and reactivate. Not doing so could result in unexpected login rejects later on that interface.

**Message** PORT-SECURITY-3-MTS\_ERR: [chars]

**Explanation** An error occurred in processing of an MTS message. [chars] indicates the error that occurred

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** PORT-SECURITY-3-PSS\_ERR: [chars]

**Explanation** An error occurred during an PSM PSS operation. [chars] indicates the PSS operation that caused the error

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** PORT-SECURITY-3-PSS\_VER\_FAIL: PSS file [chars] has version [dec].[dec].[dec], expected version [dec].[dec].[dec]

**Explanation** There was a mismatch in the PSS version. [chars] indicates the PSS service, [dec].[dec].[dec] its current version number and [dec].[dec].[dec] the expected version

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## PORT-SECURITY-4

**Message** PORT-SECURITY-4-ACTIVATION\_FAIL: [chars]

**Explanation** Activation of bindings failed due to [chars]

**Recommended Action** Correct the error and reactivate it again

## PORT-SECURITY-6

**Message** PORT-SECURITY-6-INFO: [chars]

**Explanation** An event happened that affects PSM. [chars] indicates the event

**Recommended Action** No action is required.

## PORT Messages

This section contains the PORT messages.

### PORT-2

**Message** PORT-2-IF\_DOWN\_ERROR\_DISABLED: Interface [chars] is down (Error disabled) [chars] [chars]

**Explanation** The interface encountered an error while configuring it. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Collect more information about failed interface using command 'show port internal all interface [char]'. In most cases, you can recover using following commands 'config terminal', 'interface [char]', 'shutdown', 'noshutdown' on the interface or removing and re-inserting the fibre optic cable

**Message** PORT-2-IF\_DOWN\_LINK\_FAILURE\_CRIT: Interface [chars] is down (Link failure)

**Explanation** The physical link has gone down

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

## PORT-3

**Message** PORT-3-IF\_SFP\_ALARM: Interface [chars], [chars] [chars] [chars]

**Explanation** There was an alarm on the transceiver module. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please do show interface transceiver details to obtain more information

**Message** PORT-3-IF\_TRANSCEIVER\_READ\_ERROR: Transceiver read error for interface [chars] [chars] [chars]

**Explanation** Transceiver error read failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Remove and insert the SFP back again. If the problem persists check if the transceiver is supported using the command: show interface transceiver. Please contact customer support to resolve the condition

**Message** PORT-3-IF\_UNSUPPORTED\_TRANSCEIVER: Transceiver for interface [chars] is not supported

**Explanation** Transceiver is not from an authorized vendor

**Recommended Action** This command will determine the transceiver being used: show interface transceiver. Please contact customer support for a list of authorized transceiver vendors

## PORT-4

**Message** PORT-4-IF\_NON\_QUALIFIED\_TRANSCEIVER: Non-qualified transceiver on interface [chars] was detected

**Explanation** The transceiver for the interface specified has not been qualified on this platform for this software release

**Recommended Action** Replace the module with a supported transceiver. Contact Cisco TAC to get platform transceiver qualification details

**Message** PORT-4-IF\_SFP\_CLK\_RATE\_ERROR: SFP clock rate error for interface [chars] [chars] [chars]

**Explanation** SFP clock rate mismatch/failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Remove the SFP and insert a new one with a different frequency type. If the problem persists check if the transceiver is supported using the command: show interface transceiver. Please contact customer support to resolve the condition

**Message** PORT-4-IF\_SFP\_WARNING: Interface [chars], [chars] [chars] [chars]

**Explanation** There was a warning on the transceiver module. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please do show interface transceiver details to obtain more information

**Message** PORT-4-IF\_TRUSTSEC\_VIOLATION: Interface [chars] encountered port security violation [chars] [chars]

**Explanation** The port has detected port security violation. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Check port security configuration on interface

## PORT-5

**Message** PORT-5-EPP\_DISABLED: Interface [chars] (EPP disabled in the [chars] switch) [chars]

**Explanation** Trunk protocol, EPP is disabled in the local/peer switch

**Recommended Action** Perform the following commands on the local/peer switch to enable EPP: config terminal, 'trunk protocol enable'

**Message** PORT-5-EC\_DISABLED\_AS\_LICENSE\_NOT\_PRESENT: Extended credit feature has been disabled as Enterprise Package license could not be checked out

**Explanation** The Enterprise Package license is not available, so the extended credit feature has been disabled even though it was present in startup config

**Recommended Action** Install the Enterprise Package license and re-enable the extended credit feature

**Message** PORT-5-IF\_FEC\_NEGOTIATION\_FAILURE: FEC negotiation failed for interface %s %s

**Explanation** The Forward Correction Error (FEC) is not enabled on this link because the FEC may not have been configured at the peer.

**Recommended Action** Check the FEC configuration on both sides of the link.

**Message** PORT-5-IF\_BRINGUP\_ALLOWED\_FCOT\_CHECKSUM\_ERR: Interface [chars] is allowed to come up even with SFP checksum error [chars] [chars]

**Explanation** SFP checksum on this interface failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Try to replace the SFP on this interface

**Message** PORT-5-IF\_BRINGUP\_FAILED\_ALL\_ZERO\_PEER\_WWN\_RCVD: Interface [chars], is not allowed to come up (received as all zeros wwn from peer [chars] [chars])

**Explanation** Check peer interface configuration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_BRINGUP\_NOT\_ALLOWED\_PORT\_CONFIG\_FAILURE: Interface [chars] is not allowed to be operational due to port config failure for reason: [chars] ([hex]) [chars] [chars]

**Explanation** Check interface configuration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Try to change the configuration on the interface with the current available hardware capability

**Message** PORT-5-IF\_DOWN\_ADMIN\_DOWN: Interface [chars] is down (Administratively down) [chars] [chars]

**Explanation** Interface has been configured to be administratively down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Perform the following commands to bring up the interface: config terminal', 'interface [char]', 'no shutdown"

**Message** PORT-5-IF\_DOWN\_BIT\_ERR\_RT\_THRES\_EXCEEDED: Interface [chars] is down (Error disabled - bit error rate too high) [chars] [chars]

**Explanation** The port has detected too high bit error rate in frames received from attached device. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Check the attached device; replace it if needed

**Message** PORT-5-IF\_DOWN\_BUNDLE\_MISCFG: Interface [chars] is down (Isolation due to channel mis-configuration on local or remote switch) [chars] [chars]

**Explanation** One port across a link is part of a PortChannel while the other is not. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** While adding or deleting a member port from a PortChannel, both ports across the link should be added/deleted. No operation should be performed on either ports until they are both added/deleted.

**Message** PORT-5-IF\_DOWN\_CFG\_CHANGE: Interface [chars] is down(Config change) [chars] [chars]

**Explanation** FCIP interface temporarily down due to reconfiguration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_CHANNEL\_ADMIN\_DOWN: Interface [chars] is down (Channel admin down) [chars] [chars]

**Explanation** This interface belongs to a PortChannel and the PortChannel is configured to be administratively down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Perform the following commands on the PortChannel interface to which it belongs to bring the interface up: 'config terminal', 'interface [char]', 'shutdown', 'noshutdown'

**Message** PORT-5-IF\_DOWN\_CHANNEL\_MEMBERSHIP\_UPDATE\_IN\_PROGRESS: Interface [chars] is down (Channel membership update in progress) [chars] [chars]

**Explanation** The interface belongs to a PortChannel and a configuration is being attempted on the interface while there is a configuration in progress on the PortChannel. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Retry the configuration again

**Message** PORT-5-IF\_DOWN\_DENIED\_DUE\_TO\_PORT\_BINDING: Interface [chars] is down(Suspended due to port binding) [chars] [chars]

**Explanation** The F port is suspended due to being denied by port binding. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please check the port binding database to allow the host port to log in.

**Message** PORT-5-IF\_DOWN\_DOMAIN\_ADDR\_ASSIGN\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to domain id assignment failure) [chars] [chars]

**Explanation** Isolated due to a failure while assigning a domain. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_DOMAIN\_ID\_MISMATCH\_ISOLATION: Interface [chars] is isolated (configured fcdomain ID is different from runtime config) [chars] [chars]

**Explanation** The runtime fcdomain ID does not equal the static configured fcdomain ID. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that the fcdomain ID configuration matches the runtime config.

**Message** PORT-5-IF\_DOWN\_DOMAIN\_INVALID\_RCF\_RECEIVED: Interface [chars] is down (Isolation due to invalid fabric reconfiguration) [chars] [chars]

**Explanation** Invalid RCF received. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_DOMAIN\_MANAGER\_DISABLED: Interface [chars] is down (Isolation due to domain manager disabled) [chars] [chars]

**Explanation** Isolated due to domain manager being disabled. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_DOMAIN\_MAX\_RETRANSMISSION\_FAILURE: Interface [chars] is down (Isolation due to domain manager other side not responding) [chars] [chars]

**Explanation** Remote end domain manager not responding. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_DOMAIN\_NOT\_ALLOWED\_ISOLATION: Interface [chars] is isolated (domain not allowed) [chars] [chars]

**Explanation** There are not enough allowed domains to merge the VSANs across the link. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that all assigned domain ids are in the configured allowed domains on both sides of the link.

**Message** PORT-5-IF\_DOWN\_DOMAIN\_OTHER\_SIDE\_EPORT\_ISOLATED: Interface [chars] is down (Isolation due to domain other side eport isolated) [chars] [chars]

**Explanation** Isolating this interface due to the remote end being isolated. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_DOMAIN\_OVERLAP\_ISOLATION: Interface [chars] is down (Isolation due to domain overlap) [chars] [chars]

**Explanation** Isolated due to domain overlap. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_DPVM\_VSAN\_NOT\_FOUND: Interface [chars] is down (dynamic vsan not present) [chars] [chars]

**Explanation** The specified dynamic vsan is not configured on this switch. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the dynamic vsan.



**Message** PORT-5-IF\_DOWN\_DPVM\_VSAN\_SUSPENDED: Interface [chars] is down (dynamic vsan in suspended state) [chars] [chars]

**Explanation** The specified dynamic vsan is in suspended state. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Un-suspend the dynamic vsan.

**Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_CLASSF\_PARAM\_ERR: Interface [chars] is down (Isolation due to ELP failure: class F param error) [chars] [chars]

**Explanation** ELP failed on the interface due to class F param error. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the attached switchport correctly and try again

**Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_CLASSN\_PARAM\_ERR: Interface [chars] is down (Isolation due to ELP failure: class N param error) [chars] [chars]

**Explanation** ELP failed on the interface due to class N param error. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the attached switchport correctly and try again

**Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_INVALID\_PAYLOAD\_SIZE: Interface [chars] is down (Isolation due to ELP failure: invalid payload size)

**Explanation** ELP failed on the interface due to invalid payload size

**Recommended Action** Configure the attached switchport correctly and try again

**Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_INVALID\_PORT\_NAME: Interface [chars] is down (Isolation due to ELP failure: invalid port name) [chars] [chars]

**Explanation** ELP failed on the interface due to invalid port name. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the attached switchport correctly and try again

**Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_INVALID\_SWITCH\_NAME: Interface [chars] is down (Isolation due to ELP failure: invalid switch name) [chars] [chars]

**Explanation** ELP failed on the interface due to invalid switch name. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the attached switchport correctly and try again

**Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_INVALID\_TX\_BBCREDIT: Interface [chars] is down (Isolation due to ELP failure: loopback detected) [chars] [chars]

**Explanation** ELP failed on the interface due to loopback connection detected. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Connect to a port on another switch and try again

**Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_LOOPBACK\_DETECTED: Interface [chars] is down (Isolation due to ELP failure: invalid transmit B2B credit) [chars] [chars]

**Explanation** ELP failed on the interface due to invalid transmit B2B credit. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the attached switchport correctly and try again

**Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_RATOV\_EDTOV\_MISMATCH: Interface [chars] is down (Isolation due to ELP failure: R\_A\_TOV or E\_D\_TOV mismatch) [chars] [chars]

**Explanation** ELP failed on the interface due to R\_A\_TOV or E\_D\_TOV mismatch. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure R\_A\_TOV and E\_D\_TOV values correctly and try again

**Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_REVISION\_MISMATCH: Interface [chars] is down (Isolation due to ELP failure: revision mismatch) [chars] [chars]

**Explanation** ELP failed on the interface due to revision mismatch. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the attached switchport correctly and try again

**Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_UNKNOWN\_FLOW\_CTL\_CODE: Interface [chars] is down (Isolation due to ELP failure: invalid flow control code) [chars] [chars]

**Explanation** ELP failed on the interface due to invalid flow control code. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the attached switchport correctly and try again

**Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_UNKNOWN\_FLOW\_CTL\_PARAM: Interface [chars] is down (Isolation due to ELP failure: invalid flow control param) [chars] [chars]

**Explanation** ELP failed on the interface due to invalid flow control param. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the attached switchport correctly and try again

**Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to ELP failure) [chars] [chars]

**Explanation** ELP failed on the interface. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Check the output of 'show port internal info' in the ELP failure reason field

**Message** PORT-5-IF\_DOWN\_EPP\_FAILURE: Interface [chars] is down (Error Disabled - EPP Failure) [chars] [chars]

**Explanation** Trunk protocol failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** 'show port internal even history msgs' will indicate the trunk protocol exchanges to determine why it failed.

**Message** PORT-5-IF\_DOWN\_ESC\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to ESC failure) [chars] [chars]

**Explanation** ESC failed on the interface. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Check the output of 'show port internal event-history' to determine the ESC protocol exchanges to determine how it failed.

**Message** PORT-5-IF\_DOWN\_ETH\_IF\_DOWN: Interface [chars] is down(Tunnel port src interface down) [chars] [chars]

**Explanation** Ethernet link to which the FCIP interface is bound is down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that the ethernet cable is connected, the interface is administratively enabled

**Message** PORT-5-IF\_DOWN\_ETH\_LINK\_DOWN: Interface [chars] is down(Tunnel port src interface link down) [chars] [chars]

**Explanation** Ethernet link to which the FCIP interface is bound is down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that the ethernet cable is connected and the remote end is also active

**Message** PORT-5-IF\_DOWN\_FABRIC\_BIND\_FAILURE: Interface [chars] is down(Isolation due to fabric bind failure) [chars] [chars]

**Explanation** Fabric binding failed on this port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please check the fabric binding database to ensure that the remote port is allowed to connect to this port

**Message** PORT-5-IF\_DOWN\_FCOT\_NOT\_PRESENT: Interface [chars] is down (FCOT not present) [chars] [chars]

**Explanation** The FCOT has been removed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Insert an FCOT

**Message** PORT-5-IF\_DOWN\_FCOT\_REMOVED: Interface [chars] is down (FCOT has been removed) [chars] [chars]

**Explanation** The FCOT has been removed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Insert an FCOT

**Message** PORT-5-IF\_DOWN\_FCOT\_VENDOR\_NOT\_SUPPORTED: Interface [chars] is down (Error disabled - FCOT vendor not supported) [chars] [chars]

**Explanation** FCOT inserted is not a supported one. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please contact customer support for a list of authorized transceiver vendors

**Message** PORT-5-IF\_DOWN\_FCSP\_AUTHENT\_FAILURE: Interface [chars] is down (FC-SP authentication failure) [chars] [chars]

**Explanation** The port failed FC-SP authentication with its peer. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please check the FC-SP configuration.

**Message** PORT-5-IF\_DOWN\_FICON\_BEING\_ENABLED: Interface [chars] is down(FICON being enabled) [chars] [chars]

**Explanation** FICON is being enabled on the port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please wait. This might take a while

**Message** PORT-5-IF\_DOWN\_FICON\_NOT\_ENABLED: Interface [chars] is down(Error disabled - FICON not enabled) [chars] [chars]

**Explanation** FICON not enabled on port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please enable FICON on port

**Message** PORT-5-IF\_DOWN\_FICON\_VSAN\_DOWN: Interface [chars] is down(FICON vsan down) [chars] [chars]

**Explanation** FICON is being enabled on the port VSAN of this port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** This is an intermediary state, whereby the port VSAN of the port is being enabled to be a FICON VSAN.

**Message** PORT-5-IF\_DOWN\_HW\_FAILURE: Interface [chars] is down (Hardware Failure) [chars] [chars]

**Explanation** The modules hardware has failed.[optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Collect more information about failed module using command 'show module internal all module'

**Message** PORT-5-IF\_DOWN\_INACTIVE: Interface [chars] is down (Inactive) [chars]  
[chars]

**Explanation** The port VSAN has been suspended or deleted. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Assign a new active port VSAN to the interface

**Message** PORT-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_MODE: Interface [chars] is down (Error disabled - Incompatible admin port mode) [chars] [chars]

**Explanation** The configured mode is not supported on this interface. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Perform a 'show port internal info' to determine the list of modes supported on this interface

**Message** PORT-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_RXBBREDIT: Interface [chars] is down (Error disabled - Incompatible admin port rxbbcredit) [chars] [chars]

**Explanation** The configured receive B2B credit size is not supported. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Get the allowed receive B2B credit size from show port internal info"

**Message** PORT-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_RXBUFSIZE: Interface [chars] is down (Error disabled - Incompatible admin port rxbufsize) [chars] [chars]

**Explanation** The configured receive buffer size is not supported. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Get the allowed receive buffer size from 'show port internal info'

**Message** PORT-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_SPEED: Interface [chars] is down (Error disabled - Incompatible admin port speed) [chars] [chars]

**Explanation** The configured speed is not supported on this interface. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Perform a 'show port internal info' to determine the range of speed supported on this interface

**Message** PORT-5-IF\_DOWN\_INITIALIZING: Interface [chars] is down (Initializing) [chars] [chars]

**Explanation** The interface is in the process of coming up. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** If the interface is stuck in this state for a while, check the output of 'show port internal event-history' to determine what it is waiting for.

**Message** PORT-5-IF\_DOWN\_INTERFACE\_REMOVED: Interface [chars] is down (Interface removed) [chars] [chars]

**Explanation** Interface removed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_INVALID\_ATTACHMENT: Interface [chars] is down(Invalid attachment) [chars] [chars]

**Explanation** The peer port does not have the compatible security attributes. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please ensure that the peer port has compatible security attributes as the local port.

**Message** PORT-5-IF\_DOWN\_INVALID\_CONFIG: Interface [chars] is down(Error disabled - Possible PortChannel misconfiguration) [chars] [chars]

**Explanation** The local and peer port have a PortChannel membership misconfiguration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that both the local and peer ports are either both members of the same PortChannel or are not both part of PortChannel

**Message** PORT-5-IF\_DOWN\_INVALID\_FABRIC\_BINDING: Interface [chars] is down(Invalid fabric binding exchange) [chars] [chars]

**Explanation** Fabric binding failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please check fabric binding database

**Message** PORT-5-IF\_DOWN\_LINK\_FAILURE: Interface [chars] is down (Link failure [chars]) [chars] [chars]

**Explanation** The physical link has gone down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

**Message** PORT-5-IF\_DOWN\_LOCALLY\_DISRUPTIVE\_RECONFIGURATION: Interface [chars] is down (fcdomain applied a locally disruptive reconfiguration) [chars] [chars]

**Explanation** Fcdomain applied a locally disruptive reconfiguration (local domain became invalid. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_LOOPBACK\_DIAG\_FAILURE: Interface [chars] is down (Diag failure) [chars] [chars]

**Explanation** Diag failed on the interface. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Collect more information about failed interface using command 'attach module' to connect to module

**Message** PORT-5-IF\_DOWN\_LOOPBACK\_ISOLATION: Interface [chars] is down (Isolation due to port loopback to same switch) [chars] [chars]

**Explanation** The interface is looped back to another interface on the same switch. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Check the connectivity of this interface and ensure that it is connected to another switch

**Message** PORT-5-IF\_DOWN\_MODULE\_REMOVED: Interface [chars] is down (module removed) [chars] [chars]

**Explanation** Interface is down because the module was removed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.



**Message** PORT-5-IF\_DOWN\_NONE: Interface [chars] is down (None) [chars] [chars]

**Explanation** There is no apparent reason the interface is down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Collect more information about port using command show port internal all interface [char]' to determine why it went down

**Message** PORT-5-IF\_DOWN\_NON\_PARTICIPATING: Interface [chars] is down (Non participating) [chars] [chars]

**Explanation** The loop port has been put into non participating mode. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_NOS\_RCVD: Interface [chars] is down (NOS received) [chars] [chars]

**Explanation** The physical link has gone down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

**Message** PORT-5-IF\_DOWN\_NO\_TRUNK\_OPER\_VSANS\_ISOLATION: Interface [chars] is down(Isolation due to no common vsans with peer on trunk) [chars] [chars]

**Explanation** The trunk port is isolated as there are no common VSANs to be brought up with the peer port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please check that there are common VSANs configured and allowed to come up between the ports.

**Message** PORT-5-IF\_DOWN\_OFFLINE: Interface [chars] is down (Offline) [chars] [chars]

**Explanation** The interface has been placed into the offline state. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_OHMS\_EXTERNAL\_LB\_TEST: Interface [chars] is down (Loopback test) [chars] [chars]

**Explanation** Loopback tests. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please wait. This might take a while

**Message** PORT-5-IF\_DOWN\_OLS\_RCVD: Interface [chars] is down (OLS received) [chars] [chars]

**Explanation** The physical link has gone down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

**Message** PORT-5-IF\_DOWN\_PARENT\_ADMIN\_DOWN: Interface [chars] is down (Parent interface down) [chars] [chars]

**Explanation** Parent interface is down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_PEER\_CLOSE: Interface [chars] is down(TCP conn. closed by peer) [chars] [chars]

**Explanation** The FCIP peer connected to this interface closed the TCP connection. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** This command will provide the peer IP address of this FCIP interface: show interface. Check to see why the peer closed the TCP connection

**Message** PORT-5-IF\_DOWN\_PEER\_RESET: Interface [chars] is down(TCP conn. reset by peer) [chars] [chars]

**Explanation** TCP connection to the FCIP peer got reset. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Check to see why the peer reset the TCP connection

**Message** PORT-5-IF\_DOWN\_PORT\_ACT\_LICENSE\_NOT\_AVAILABLE: Interface [chars] is not allowed to come up (port activation license not available [chars] [chars])

**Explanation** Assign a port activation license to this port or install additional port activation licenses as needed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_PORT\_BIND\_FAILURE: Interface [chars] is down(Isolation due to port bind failure) [chars] [chars]

**Explanation** Port binding failed on this port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please check the port binding database to ensure that the remote port is allowed to connect to this port

**Message** PORT-5-IF\_DOWN\_PORT\_BLOCKED: Interface [chars] is down(Port blocked due to FICON) [chars] [chars]

**Explanation** The port has been blocked by FICON configuration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please unblock the port in FICON configuration.

**Message** PORT-5-IF\_DOWN\_PORT\_CHANNEL\_MEMBERS\_DOWN: Interface [chars] is down (No operational members) [chars] [chars]

**Explanation** This is a PortChannel interface and all its members are operationally down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Enable at least one of the PortChannel members'

**Message** PORT-5-IF\_DOWN\_PORT\_VSAN\_MISMATCH\_ISOLATION: Interface [chars] is down (Isolation due to port VSAN mismatch) [chars] [chars]

**Explanation** Isolated due to a mismatch in the configured port VSAN of the local and remote ends. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the port VSAN of the local and remote interfaces to be the same and perform a shutdown' and a 'no shutdown'.

**Message** PORT-5-IF\_DOWN\_RCF\_IN\_PROGRESS: Interface [chars] is down (RCF in progress) [chars] [chars]

**Explanation** There is an RCF in progress. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_SOFTWARE\_FAILURE: Interface [chars] is down (Port software failure) [chars] [chars]

**Explanation** The software servicing the data path on the port has failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_SRC\_MOD\_NOT\_ONLINE: Interface [chars] is down (Tunnel source module not online) [chars] [chars]

**Explanation** Module that has the tunnel source port of this FCIP interface is not fully online. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** The module that has the tunnel src port is coming online. Please use show mod to find module status

**Message** PORT-5-IF\_DOWN\_SRC\_PORT\_NOT\_BOUND: Interface [chars] is down (Tunnel port src interface unbound) [chars] [chars]

**Explanation** Tunnel port source interface unbound. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_SRC\_PORT\_REMOVED: Interface [chars] is down (Tunnel src port removed) [chars] [chars]

**Explanation** Tunnel source port of this FCIP interface has been removed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** The src interface with ip address that matches the ip address of the bound entity is removed. This happens normally due to the module on which the src interface exists is removed

**Message** PORT-5-IF\_DOWN\_SUSPENDED\_BY\_MODE: Interface [chars] is down (Suspended due to incompatible mode) [chars] [chars]

**Explanation** This interface belongs to a PortChannel and operational mode of the interface is different from that of the PortChannel. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Change the mode and the trunking mode of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

**Message** PORT-5-IF\_DOWN\_SUSPENDED\_BY\_SPEED: Interface [chars] is down (Suspended due to incompatible speed) [chars] [chars]

**Explanation** This interface belongs to a PortChannel and operational speed of the interface is different from that of the PortChannel. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Change the speed of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

**Message** PORT-5-IF\_DOWN\_SUSPENDED\_BY\_WWN: Interface [chars] is down (Suspended due to incompatible remote switch WWN) [chars] [chars]

**Explanation** This interface belongs to a PortChannel and remote switch WWN of the interface is different from that of the PortChannel. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that this interface is connected to the same remote switch as all the other interfaces in the PortChannel

**Message** PORT-5-IF\_DOWN\_SUSPENDED: Interface [chars] is down (Suspended) [chars] [chars]

**Explanation** This interface belongs to a PortChannel and has been suspended to an error while bringing it up. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** In most cases, you can recover using following commands 'config terminal', 'interface [char]', 'shutdown', 'noshutdown' on the interface.If this happens again obtain output of 'show port internal all interface [char]' on the interface

**Message** PORT-5-IF\_DOWN\_TCP\_KEEP\_ALIVE\_EXPIRED: Interface [chars] is down(TCP conn. closed - Keep alive expired) [chars] [chars]

**Explanation** TCP session to the FCIP peer got closed due to loss of TCP keep alive. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** PORT-5-IF\_DOWN\_TCP\_MAX\_RETRANSMIT: Interface [chars] is down(TCP conn. closed - retransmit failure) [chars] [chars]

**Explanation** Interface is down due to maximum retransmission failure. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** PORT-5-IF\_DOWN\_TCP\_PERSIST\_TIMER\_EXPIRED: Interface [chars] is down(TCP conn. closed - Persist timer expired) [chars] [chars]

**Explanation** TCP session to the FCIP peer closed because TCP persist timer expired. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** PORT-5-IF\_DOWN\_TOO\_MANY\_INTR: Interface [chars] is down (Error disabled - too many interrupts) [chars] [chars]

**Explanation** The port has received too many interrupts in the hardware. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Check the attached device; replace it if needed

**Message** PORT-5-IF\_DOWN\_TOO\_MANY\_INVALID\_FLOGIS: Interface [chars] is down(Suspended due to too many invalid flogis [chars] [chars])

**Explanation** The port is suspended due to receiving a large number of invalid FLOGIs.[optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please check the HBA and perform a shut, followed by no shut on the port.

**Message** PORT-5-IF\_DOWN\_UPGRADE\_IN\_PROGRESS: Interface [chars] is down (Linecard upgrade in progress) [chars] [chars]

**Explanation** Upgrade of the linecard software is in progress. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_VIRTUAL\_IVR\_DOMAIN\_OVERLAP\_ISOLATION: Interface [chars] is down (Isolation due to virtual IVR domain overlap) [chars] [chars]

**Explanation** Isolated due to virtual IVR domain overlap. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_VSAN\_MISMATCH\_ISOLATION: Interface [chars] is down (Isolation due to vsan mismatch) [chars] [chars]

**Explanation** This is a trunking interface and the VSANs configured do not match with the VSANs configured on the remote end. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Check the VSANs configured on the local end with the remote end

**Message** PORT-5-IF\_DOWN\_ZONE\_MERGE\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to zone merge failure) [chars] [chars]

**Explanation** Isolated due to a failure during zone merge. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_ZONE\_REMOTE\_NO\_RESP\_ISOLATION: Interface [chars] is down (Isolation due to remote zone server not responding) [chars] [chars]

**Explanation** Isolated due to remote zone server not responding. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_PORT\_GUARD\_DOWN: Interface [chars] is down ([chars]) [chars] [chars]

**Explanation** The interface is down due to port guard configuration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Perform a shut followed by no shut to bring up the interface

**Message** PORT-5-IF\_PORT\_QUIESCE\_FAILED: Interface [chars] port quiesce failed due to failure reason: [chars] ([hex])

**Explanation** There may be few packet drops due to this failure

**Recommended Action** No action is required.

**Message** PORT-5-IF\_PSS\_DUPLICATE\_KEY: Duplicate key found for Interface [chars]

**Explanation** Duplicate pss key detected

**Recommended Action** No action is required.

**Message** PORT-5-IF\_TRUNK\_DOWN: Interface [chars], vsan [chars] is down ([chars]) [chars] [chars]

**Explanation** Interface [chars] is trunking, VSAN [chars] is down with reason in (). [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** The following commands will help determine why this VSAN is down on this interface: show interface, show port internal info interface VSAN, show port internal event-history interface VSAN

**Message** PORT-5-IF\_TRUNK\_UP: Interface [chars], vsan [chars] is up [chars] [chars]

**Explanation** Interface [chars] is trunking, VSAN [chars] is up. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.



**Message** PORT-5-IF\_UP: Interface [chars] is up [chars] [chars] [chars]

**Explanation** Interface is up in mode specified, if applicable. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-MODULE\_BRINGUP\_NOT\_ALLOWED: Not allowing module [dec] to come up for reason: [chars] ([hex])

**Explanation** Module is not allowed to be operational due to the current system state

**Recommended Action** Use command show module <x>

**Message** PORT-5-MODULE\_INDEX\_RESTORE\_ERROR: Error in restoring indices for module [dec]: reason [chars] ([hex])

**Explanation** Restore of module index may fail due to overlap of indices

**Recommended Action** No action is required.

**Message** PORT-5-MODULE\_UNLIMITED\_OSM\_SEQ\_FAILED: Enable/Disable of unlimited over subscription failed for module [dec]

**Explanation** Interfaces of the module may be in indeterminate state

**Recommended Action** Reload the module

## PREFPATH Messages

This section contains the PREFPATH messages.

### PREFPATH-1

**Message** PREFPATH-1-LC\_CFG\_FAILURE: configuring module [dec] failed [[chars]]

**Explanation** Module configuration failed

**Recommended Action** No action is required.

**Message** PREFPATH-1-MCAST\_SEND\_FAILURE: failed to send multicast [chars]: [chars]

**Explanation** Failed to send a multicast message to all modules, usually because some module went down

**Recommended Action** No action is required.

## PREFPATH-2

**Message** PREFPATH-2-INITFAIL: Preferred Path Initialization failed: [chars]

**Explanation** Preferred Path initialization failed. [chars] explains the reason for the failure.

**Recommended Action** No action is required.

**Message** PREFPATH-2-IPC\_PROCESSING\_ERR: Error in processing IPC message: Opcode = [dec], Error code = [hex]

**Explanation** Preferred Path component encountered an error in processing an MTS message. The error and message are specified in the Message

**Recommended Action** No action is required.

**Message** PREFPATH-2-PREFPATH\_INIT: Preferred Path initialization of [chars]  
[chars]

**Explanation** Preferred Path initialization failed

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## PREFPATH-3

**Message** PREFPATH-3-ACL\_PROG\_FAILURE: SLOT [dec]: Failed to [chars] ACL for route  
- source fcid [chars] mask [chars] dest fcid [chars] mask [chars] selected  
interface [chars] (ACL return code=[hex], [chars])

**Explanation** The Preferred Path has failed to program or erase Preferred Path related ACL. The error code returned by ACL module is [int.].

**Recommended Action** No action is required.

**Message** PREFPATH-3-DBERROR: [chars]

**Explanation** Preferred Path encountered a database error. [chars] specifies the context where the failure occurred.

**Recommended Action** No action is required.

**Message** PREFPATH-3-FAILURE\_RESPONSE: [chars] [dec]

**Explanation** Preferred Path failed to get response [chars] [int.] specify the context where the failure occurred.

**Recommended Action** No action is required.

**Message** PREFPATH-3-GENERAL\_ERROR: General Error: [chars]

**Explanation** General error

**Recommended Action** No action is required.

**Message** PREFPATH-3-MTSERROR: [chars]

**Explanation** Preferred Path encountered an MTS error. [chars] specifies the context where the error occurred.

**Recommended Action** No action is required.

**Message** PREFPATH-3-PREFPATH\_ACTIVE\_FAILURE: Failed to [chars] route - source fcid [chars] mask [chars] dest fcid [chars] mask [chars] selected interface [chars] (reason: [chars])

**Explanation** The Preferred Path has failed to activate route. The reason is [str.].

**Recommended Action** No action is required.

**Message** PREFPATH-3-PSSERROR: [chars]

**Explanation** Preferred Path encountered a PSS error. [chars] specifies the context where the failure occurred.

**Recommended Action** No action is required.

**Message** PREFPATH-3-RIB\_ERR: Error in RIB: [chars]

**Explanation** Failed to interact with RIB for static route update, error description in [chars].

**Recommended Action** No action is required.

**Message** PREFPATH-3-TIMEOUT\_ERROR: [chars] [dec]

**Explanation** Preferred Path encountered a timeout [chars] [int.] specify the context where the failure occurred.

**Recommended Action** No action is required.

## PREFPATH-4

**Message** PREFPATH-4-UNEXPECTED\_RESPONSE: unexpected response [chars] from [chars]

**Explanation** Received an unexpected response and discarded

**Recommended Action** No action is required.

## PREFPATH-6

**Message** PREFPATH-6-ACL\_PROG\_SUCCESS: SLOT [dec]: Successfully [chars] route - source fcid [chars] mask [chars] dest fcid [chars] mask [chars] selected interface [chars]

**Explanation** The Preferred Path has successfully programmed or erased Preferred Path related ACL.

**Recommended Action** No action is required.

**Message** PREFPATH-6-SERVICE\_UP: Initialized [chars]

**Explanation** Preferred Path Service Up

**Recommended Action** No action is required.

**Message** PREFPATH-6-STATE\_CREATED: Internal state created [chars]

**Explanation** Preferred Path has created its internal state stateless/stateful [chars].

**Recommended Action** No action is required.

## PRIVATE\_VLAN Messages

This section contains the PRIVATE\_VLAN messages.

### PRIVATE\_VLAN-2

**Message** PRIVATE\_VLAN-2-PVLAN\_ASSOC\_DOWN\_FAILED: Failed to bring down the association between [dec] & [dec]

**Explanation** Association bring down failed

**Recommended Action** No action is required.

**Message** PRIVATE\_VLAN-2-PVLAN\_ASSOC\_UP\_FAILED: Failed to bring up the association between [dec] & [dec]

**Explanation** Association bringup failed

**Recommended Action** No action is required.

**Message** PRIVATE\_VLAN-2-PVLAN\_ELTM\_MTS\_SEND\_FAILED: MTS send failed while communicating with ELTM.

**Explanation** ELTM MTS send failed

**Recommended Action** No action is required.

**Message** PRIVATE\_VLAN-2-PVLAN\_ELTM\_TIMED\_OUT: ELTM timed out while configuring hardware.

**Explanation** ELTM timed out

**Recommended Action** No action is required.

**Message** PRIVATE\_VLAN-2-PVLAN\_ETHPM\_TIMED\_OUT: ETHPM timed out while configuring/unconfiguring hardware

**Explanation** ETHPM timed out

**Recommended Action** No action is required.

**Message** PRIVATE\_VLAN-2-PVLAN\_HW\_ERROR: Error [hex] occurred for ifindex [hex] while programming hardware: [chars]

**Explanation** Hardware Configuration Error

**Recommended Action** No action is required.

**Message** PRIVATE\_VLAN-2-PVLAN\_PIXM\_MTS\_SEND\_FAILED: MTS send failed while communicating with PIXM

**Explanation** PIXM MTS send failed

**Recommended Action** No action is required.

**Message** PRIVATE\_VLAN-2-PVLAN\_PIXM\_TIMED\_OUT: PIXM timed out while configuring hardware.

**Explanation** PIXM timed out

**Recommended Action** No action is required.

## PRIVATE\_VLAN-3

**Message** PRIVATE\_VLAN-3-PVLAN\_ASSOC\_SDB\_UPDATE\_FAILED: Failed to update SDB while [chars] association for vlan [dec]

**Explanation** SDB Update failed

**Recommended Action** No action is required.

**Message** PRIVATE\_VLAN-3-PVLAN\_IN\_USE: PVLAN [dec] in use by interface [chars], please do "no switchport access vlan" or "no switchport private-vlan host-association"

**Explanation** PVLAN in use

**Recommended Action** No action is required.

**Message** PRIVATE\_VLAN-3-PVLAN\_VLANMGR\_FAILURE: Cannot restore association operational state. Failed to communicate with VLAN manager

**Explanation** Restoring association operational status failed

**Recommended Action** No action is required.

## PRIVATE\_VLAN-5

**Message** PRIVATE\_VLAN-5-PVLAN\_DISABLED: PVLAN Disabled

**Explanation** PVLAN Service Disabled

**Recommended Action** No action is required.

**Message** PRIVATE\_VLAN-5-PVLAN\_DISABLE\_FAILED: Disabling of private-vlan failed. Either shutdown these ports or remove them from private-vlan mode: [chars]

**Explanation** Disabling of private-vlan failed

**Recommended Action** No action is required.

**Message** PRIVATE\_VLAN-5-PVLAN\_ENABLED: PVLAN Enabled

**Explanation** PVLAN Service Enabled

**Recommended Action** No action is required.

## PROC\_MGR Messages

This section contains the PROC\_MGR messages.

### PROC\_MGR-SLOT#-2

**Message** PROC\_MGR-SLOT#-2-ERR\_MSG: [chars]

**Explanation** Process manager error.

**Recommended Action** No action is required.

**Message** PROC\_MGR-SLOT#-2-MESG: [chars]

**Explanation** Process manager information.

**Recommended Action** Process manager information.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_APP\_CRIT\_ERROR: ERROR: Critical error determined for app ([chars]) status=[dec] signal=[dec]

**Explanation** Application caused critical error.

**Recommended Action** Restart the linecard.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_APP\_EXITED: ERROR: Application ([chars]) exited with status=[dec] signal=[dec]

**Explanation** Application exited.

**Recommended Action** Check the application.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_COMP\_CATASTROPHIC\_ERROR: ERROR: Component ([chars]) caused critical error and linecard will be rebooted

**Explanation** Component caused critical error.

**Recommended Action** Restart the linecard.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_COMP\_CRIT\_ERROR: ERROR: Critical error determined for component ([chars]) errno=[dec]

**Explanation** Critical error for component.

**Recommended Action** Restart the linecard.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_COMP\_DEP\_FAIL: ERROR: Dependency failure - Component ([chars]) depends on ([chars])

**Explanation** Component dependency failure.

**Recommended Action** Check whether the component exists.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_COMP\_NOT\_INSTALLED: ERROR: Component ([chars]) could not be installed errno=[dec]

**Explanation** Component not installed.

**Recommended Action** Check whether the component exists.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_COMP\_TIMEOUT: ERROR: Component ([chars]) did not exit and time out occurred

**Explanation** Component initialization timed out.

**Recommended Action** Check the component.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_MTS\_CORE\_CLIENT\_FAIL: ERROR: MTS message to core\_client FAILED errno=[dec]

**Explanation** Message to core client failed.

**Recommended Action** Restart the linecard.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_QUIT: Process manager quitting because: [chars]

**Explanation** Process manager quitting.

**Recommended Action** No action is required.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_RM\_KLM\_SCRIPT: Removed: KLM/Script [[chars]] in [dec] sec [dec] usec.

**Explanation** Removed KLM/Script.

**Recommended Action** No action is required.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_STOP\_PROC: Process [[chars]] exited in [dec] sec [dec] usec.

**Explanation** Process stopped.

**Recommended Action** No action is required.



**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_TERM\_TIME: \* Termination took [dec] sec [dec] usec \*

**Explanation** Process manager termination time.

**Recommended Action** No action is required.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_UT\_PEEK\_FAIL: ERROR: Unable to peek on utaker queue

**Explanation** Peek at utaker queue failed.

**Recommended Action** Restart the linecard.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_UT\_SEM\_ALLOC\_FAIL: ERROR:Failed to allocate utaker semaphore: [dec]

**Explanation** Utaker semaphore allocation failed.

**Recommended Action** Restart the linecard.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_UT\_SEM\_GET\_FAIL: ERROR:[chars] [dec]: Failed to get utaker semaphore: [dec]

**Explanation** Utaker semaphore get failed.

**Recommended Action** Restart the linecard.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_UT\_SEM\_GIVE\_FAIL: ERROR:[chars] [dec]: Failed to give utaker semaphore: [dec]

**Explanation** Utaker semaphore give failed.

**Recommended Action** Restart the linecard.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_UT\_SEM\_TAKE\_FAIL: ERROR:[chars] [dec]: Failed to take utaker semaphore: [dec]

**Explanation** Utaker semaphore take failed.

**Recommended Action** Restart the linecard.

## PROC\_MGR-SLOT#-3

**Message** PROC\_MGR-SLOT#-3-PROC\_MGR\_ERROR\_MSG: [chars]

**Explanation** Process manager Message

**Recommended Action** No action is required.

## PROC\_MGR-SLOT#-4

**Message** PROC\_MGR-SLOT#-4-PROC\_MGR\_APP\_NOT\_RESP: ERROR: Process ([chars]) is not responding, it will be terminated

**Explanation** Application not sending heartbeat.

**Recommended Action** Check the application.

## PROC\_MGR-SLOT#-6

**Message** PROC\_MGR-SLOT#-6-PROC\_MGR\_INFO\_MSG: [chars]

**Explanation** Process manager info message

**Recommended Action** No action is required.

## PROFILER Messages

This section contains the PROFILER messages.

### PROFILER-0

**Message** PROFILER-0-EMERGENCY\_MSG: [chars]

**Explanation** Profiler Emergency Message

**Recommended Action** Please file the bug for Profiler Library Component through CDETS

### PROFILER-1

**Message** PROFILER-1-ALERT\_MSG: [chars]

**Explanation** Profiler Alert Message

**Recommended Action** Profiler Internal Operation Alert

### PROFILER-2

**Message** PROFILER-2-CRITICAL\_MSG: [chars]

**Explanation** Profiler Critical Message

**Recommended Action** No action is required.

## PROFILER-3

**Message** PROFILER-3-ERROR\_MSG: [chars]

**Explanation** Profiler Message

**Recommended Action** No action is required.

## PROFILER-4

**Message** PROFILER-4-WARN\_MSG: [chars]

**Explanation** Profiler Warning Message

**Recommended Action** No action is required.

## PROFILER-5

**Message** PROFILER-5-NOTIF\_MSG: [chars]

**Explanation** Profiler Notification Message

**Recommended Action** No action is required.

## PROFILER-6

**Message** PROFILER-6-INFO\_MSG: [chars]

**Explanation** Profiler Informational Message

**Recommended Action** No action is required.

## PROFILER-7

**Message** PROFILER-7-DEBUG\_MSG: [chars]

**Explanation** Profiler Debug Message

**Recommended Action** No action is required.

## PSS Messages

This section contains the PSS messages.

### PSS-0

**Message** PSS-0-PSS\_NO\_MORE\_PAGES: [chars]: needs more working pages

**Explanation** Service needs more working page buffers

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** PSS-0-PSS\_READ\_DATA\_FAILURE: [chars]: failed to read data to [chars] block [dec]: [chars]

**Explanation** PSS cannot read data

**Recommended Action** No action is required.

**Message** PSS-0-PSS\_SYNC\_DATA\_FAILURE: [chars]: failed to sync data to [chars]: [chars]

**Explanation** PSS cannot sync data due to filesystem or disk error

**Recommended Action** No action is required.

**Message** PSS-0-PSS\_SYNC\_LOG\_FAILURE: [chars]: failed to sync log: [chars]

**Explanation** PSS cannot sync log due to filesystem or disk error

**Recommended Action** No action is required.

**Message** PSS-0-PSS\_UNKNOWN\_LOG: [chars]: unknown log type [hex] at offset [dec]

**Explanation** Unknown logging entry found

**Recommended Action** No action is required.

**Message** PSS-0-PSS\_WRITE\_DATA\_FAILURE: [chars]: failed to write data to [chars] block [dec]: [chars]

**Explanation** PSS cannot write data due to filesystem or disk error

**Recommended Action** No action is required.

**Message** PSS-0-PSS\_WRITE\_FAILURE: [chars]: failed to write data: [chars]

**Explanation** PSS cannot write data due to filesystem or disk error

**Recommended Action** No action is required.

**Message** PSS-0-PSS\_WRITE\_LOG\_FAILURE: [chars]: failed to write log: [chars]

**Explanation** PSS cannot write log due to filesystem or disk error

**Recommended Action** No action is required.

## PSS-1

**Message** PSS-1-PSS\_INVALID\_MAGIC: [chars]: database [chars] has invalid magic number [hex]

**Explanation** PSS found a corrupted database with invalid magic number

**Recommended Action** No action is required.

**Message** PSS-1-PSS\_META\_READ\_ERROR: [chars]: cannot read meta page from [chars]: [chars]

**Explanation** PSS cannot read meta page of a database

**Recommended Action** No action is required.

**Message** PSS-1-PSS\_STAT\_ERROR: [chars]: cannot stat [chars]: [chars]

**Explanation** PSS cannot do fstat on a database

**Recommended Action** No action is required.

**Message** PSS-1-PSS\_VERSION\_MISMATCH: [chars]: found version mismatch in [chars]

**Explanation** PSS found a database whose format it cannot interpret due to version mismatch

**Recommended Action** The image upgrade was not done properly; write erase should cure it as a last step

## PSS-2

**Message** PSS-2-PSS\_INFRACONVERT: [chars]

**Explanation** Error in lib infra convert during pss conversion

**Recommended Action** No action is required.

**Message** PSS-2-PSS\_INVALID\_SIZE: [chars]: database [chars] ([chars]) has invalid size%ld (block size [dec])

**Explanation** PSS found a database with invalid size - probably due to a crash

**Recommended Action** No action is required.

**Message** PSS-2-PSS\_MISSING\_FILE: [chars]: database [chars] missing [chars] file

**Explanation** PSS database is incomplete; probably due to a crash

**Recommended Action** No action is required.

**Message** PSS-2-PSS\_RECOVERY\_FAILED: [chars]: failed to recover [chars]

**Explanation** PSS recovery failed

**Recommended Action** No action is required.

## PSS-4

**Message** PSS-4-PSS\_CLEANUP: [chars]: cleaning up [chars]

**Explanation** PSS removed a leftover or corrupted file

**Recommended Action** No action is required.

**Message** PSS-4-PSS\_RECOVERY\_ENDED: [chars]: recovered [chars] successfully

**Explanation** PSS recovery finished

**Recommended Action** No action is required.

**Message** PSS-4-PSS\_RECOVERY\_STARTED: [chars]: recovering [chars]: [dec] valid transactional records

**Explanation** PSS started recovery of previous aborted transaction

**Recommended Action** No action is required.

## PSS-5

**Message** PSS-5-PSS\_CONVERT\_FORMAT: [chars]: converting pss format: [chars]

**Explanation** PSS format is being converted

**Recommended Action** No action is required.

**Message** PSS-5-PSS\_CONVERT\_LAYOUT: [chars]: converting pss layout: [chars] (params [dec]/[dec]/[dec] -

**Explanation** PSS layout is being converted

**Recommended Action** No action is required.

**Message** PSS-5-PSS\_SHRINK: [chars]: shrinking pss: [chars]

**Explanation** PSS is being shrunk to remove free space

**Recommended Action** No action is required.

**Message** PSS-5-SDB\_CLOSED\_AT\_COMMIT: [chars]: sdb [chars] is closed: token [dec] is not committed

**Explanation** Publisher received SDB commit but sdb was already closed

**Recommended Action** No action is required.

## PTPLC Messages

### PTPLC-3

**Message** PTPLC-3-PTPLC\_PORT\_CFG\_FAILED: Configuration failed on port [hex], [chars]: [hex], [chars]

**Explanation** PTP interface configuration error

**Recommended Action** No action is required.

**Message** PTPLC-3-PTPLC\_PTP\_INTF\_CONFIG\_ERROR: Failed to configure PTP/PONG on port [dec]: [hex], [chars]

**Explanation** PTP interface configuration error

**Recommended Action** No action is required.

## PTP Messages

This section contains the PTP messages.

## PTP-5

**Message** PTP-5-PTP\_DISABLED: PTP disabled

**Explanation** PTP Service Enabled

**Recommended Action** No action is required.

**Message** PTP-5-PTP\_DOMAIN\_CHANGE: PTP domain changed to [dec]

**Explanation** PTP domain changed

**Recommended Action** No action is required.

**Message** PTP-5-PTP\_ENABLED: PTP enabled

**Explanation** PTP Service Enabled

**Recommended Action** No action is required.

## PTP-6

**Message** PTP-6-PTP\_ANNOUNCE\_INTERVAL\_CHANGE: PTP announce interval for [hex] changed to [dec]

**Explanation** PTP announce interval for [chars] changed

**Recommended Action** No action is required.

**Message** PTP-6-PTP\_ANNOUNCE\_TIMEOUT\_CHANGE: PTP announce timeout interval for [hex] changed to [dec]

**Explanation** PTP announce timeout interval for [chars] changed

**Recommended Action** No action is required.

**Message** PTP-6-PTP\_DELAY\_REQ\_INTERVAL\_CHANGE: PTP delay-req interval for [hex] changed to [dec]

**Explanation** PTP delay-req interval for [chars] changed

**Recommended Action** No action is required.



**Message** PTP-6-PTP\_PRIORITY1\_CHANGE: PTP priority1 changed to [dec]

**Explanation** PTP priority1 changed

**Recommended Action** No action is required.

**Message** PTP-6-PTP\_PRIORITY2\_CHANGE: PTP priority2 changed to [dec]

**Explanation** PTP priority2 changed

**Recommended Action** No action is required.

**Message** PTP-6-PTP\_SYNC\_INTERVAL\_CHANGE: PTP sync interval for [hex] changed to [dec]

**Explanation** PTP sync interval for [chars] changed

**Recommended Action** No action is required.

**Message** PTP-6-PTP\_VLAN\_CHANGE: PTP vlan for [hex] changed to [dec]

**Explanation** PTP vlan for [chars] changed

**Recommended Action** No action is required.

## PULSE Messages

This section contains the PULSE messages.

### PULSE-0

**Message** PULSE-0-EMERGENCY\_MSG: [chars]

**Explanation** Pulse Emergency Message

**Recommended Action** Please file the bug for Pulse Library Component through CDETS'

### PULSE-1

**Message** PULSE-1-ALERT\_MSG: [chars]

**Explanation** Pulse Alert Message

**Recommended Action** Pulse Internal Operation Alert

## PULSE-2

**Message** PULSE-2-CRITICAL\_MSG: [chars]

**Explanation** Pulse Critical Message

**Recommended Action** No action is required.

## PULSE-3

**Message** PULSE-3-ERROR\_MSG: [chars]

**Explanation** Pulse Message

**Recommended Action** No action is required.

## PULSE-4

**Message** PULSE-4-WARN\_MSG: [chars]

**Explanation** Pulse Warning Message

**Recommended Action** No action is required.

## PULSE-5

**Message** PULSE-5-NOTIF\_MSG: [chars]

**Explanation** Pulse Notification Message

**Recommended Action** No action is required.

## PULSE-6

**Message** PULSE-6-INFO\_MSG: [chars]

**Explanation** Pulse Informational Message

**Recommended Action** No action is required.

## PULSE-7

**Message** PULSE-7-DEBUG\_MSG: [chars]

**Explanation** Pulse Debug Message

**Recommended Action** No action is required.

## QD Messages

This section contains the QD messages.

### QD-3

**Message** QD-3-QD\_COSMAP\_TMO: Cos map update for [chars] timed out

**Explanation** Cos map update timed out.

**Recommended Action** No action is required.

## QOS Messages

This section contains the QOS messages.

### QOS-2

**Message** QOS-2-EXITING: Exit reason: [chars]

**Explanation** The QOS Manager process has exited due to [char]. The process has probably been restarted automatically.

**Recommended Action** No action is required.

**Message** QOS-2-GENERAL\_ERROR: [chars]

**Explanation** The QOS Manager has encountered an critical error. The description of error is [str.].

**Recommended Action** No action is required.

**Message** QOS-2-INITFAIL: QoS Manager Initialization failed: [chars]

**Explanation** QoS Manager initialization failed. [chars] explains the reason for the failure.

**Recommended Action** No action is required.

**Message** QOS-2-MALLOC\_ERROR: Size [dec] bytes

**Explanation** The QOS Manager could not allocate memory.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** QOS-2-PSS\_ERROR: [chars]: PSS returned value=[dec]

**Explanation** The QOS Manager encountered error while operating on a persistent storage database.

**Recommended Action** No action is required.

**Message** QOS-2-STDOUT\_ROTATE\_FAILURE: Failed to rotate stdout file: [chars]

**Explanation** The QOS Manager has failed to rotate its current stdout file with filename [str.]. The file size could grow beyond its maximum limit.

**Recommended Action** No action is required.

## QOS-3

**Message** QOS-3-ALLOCFAIL: Heap Memory allocation failed: [chars]

**Explanation** QoS Manager is out of dynamic memory. [chars] specifies the context where the failure occurred.

**Recommended Action** No action is required.

**Message** QOS-3-DBERROR: [chars]

**Explanation** QoS Manager encountered a database error. [chars] specifies the context where the failure occurred.

**Recommended Action** No action is required.

**Message** QOS-3-E\_PORT\_ACL\_FAILURE: Failed to [chars] QoS ACL for interface [chars] (ACL return code=[hex])

**Explanation** The QOS Manager has failed to program or erase QoS related ACL when an E-Port came up or went down for interface [str.]. The error code returned by ACL module is [int.].

**Recommended Action** No action is required.

**Message** QOS-3-FAILURE\_RESPONSE: [chars] [hex]

**Explanation** QoS Manager failed to get response [chars][hex] specify the context where the failure occurred.

**Recommended Action** No action is required.

**Message** QOS-3-GENERROR: [chars]

**Explanation** QoS Manager encountered a general error, one that does not fall in any of the above categories. [chars] describes the error and its context.

**Recommended Action** No action is required.

**Message** QOS-3-LICERR: [chars]

**Explanation** QoS Manager failed to get license.

**Recommended Action** No action is required.

**Message** QOS-3-MTSError: [chars]

**Explanation** QoS Manager encountered an MTS error. [chars] specifies the context where the error occurred.

**Recommended Action** No action is required.

**Message** QOS-3-PSSERROR: [chars]

**Explanation** QoS Manager encountered a PSS error. [chars] specifies the context where the failure occurred.

**Recommended Action** No action is required.

**Message** QOS-3-QOS\_PSS\_CORRUPTED: [chars] PSS found corrupted

**Explanation** The QOS Manager has detected corruption in one of its persistent information database. The database would be recreated.

**Recommended Action** No action is required.

**Message** QOS-3-TIMEOUT\_ERROR: [chars] [hex]

**Explanation** QoS Manager encountered a timeout [chars][hex] specify the context where the failure occurred.

**Recommended Action** No action is required.

**Message** QOS-3-UNKNOWN\_MSG: Received from Node=[dec] SAP=[dec]

**Explanation** The QOS Manager has received an unknown message from [dec].[dec]. This information is for debugging only.

**Recommended Action** No action is required.

## QOS-4

**Message** QOS-4-LICEXP: [chars]

**Explanation** QoS Manager license is going to expire. [chars] gives the expected time of expiry.

**Recommended Action** No action is required.

**Message** QOS-4-PSS\_VERSION\_MISMATCH: PSS [dec] Code [dec]

**Explanation** There was a version mismatch between the QOS Manager and one of its persistent storage databases. The persistent information has been translated to the new format.

**Recommended Action** No action is required.

## QOS-6

**Message** QOS-6-BECAME\_ACTIVE: Became ACTIVE from standby mode.

**Explanation** The QOS Manager on the standby supervisor became active and it is ready to serve client requests.

**Recommended Action** No action is required.

**Message** QOS-6-BECAME\_STDBY: Became STANDBY from active mode.

**Explanation** The QOS Manager became standby from active mode.

**Recommended Action** No action is required.

**Message** QOS-6-DISABLED\_UP\_MARKING: [chars]

**Explanation** The QoS Manager has disabled marking of time-critical control traffic as high-priority traffic. Priority of such traffic is now not altered by QoS Manager.

**Recommended Action** No action is required.

**Message** QOS-6-ENABLED\_UP\_MARKING: [chars]

**Explanation** The QoS Manager has enabled marking of time-critical control traffic as high-priority traffic.

**Recommended Action** No action is required.

**Message** QOS-6-EXCESSIVE\_DELAY: [chars]

**Explanation** Excessive time taken for a processing event. The description of the event is [str.].

**Recommended Action** No action is required.

**Message** QOS-6-E\_PORT\_ACL\_SUCCESS: Successfully [chars] QoS ACL for interface [chars]

**Explanation** The QoS Manager has successfully programmed or erased QoS related ACL when an E-Port came up or went down for interface [str.].

**Recommended Action** No action is required.

**Message** QOS-6-FAILED\_TO\_SEND\_HEARTBEAT: Failed to send heartbeat to system manager: Reason=[chars]

**Explanation** The QoS Manager was unable to send heartbeat to the system manager.

**Recommended Action** No action is required.

**Message** QOS-6-GENERAL\_EVENT: [chars]

**Explanation** The QoS Manager has generated an important event. The description of the event is [str.].

**Recommended Action** No action is required.

**Message** QOS-6-MGRCREATED: QoS Manager created

**Explanation** QoS Manager was created successfully and is up and running. This is an informational message.

**Recommended Action** No action is required.

**Message** QOS-6-MGREXIT: QoS Manager shutting down gracefully

**Explanation** QoS Manager is shutting down gracefully. This is an informational message.

**Recommended Action** No action is required.

**Message** QOS-6-PSS\_CREATED: [chars] PSS Created

**Explanation** One of the persistent information database of QOS Manager has been recreated.

**Recommended Action** No action is required.

**Message** QOS-6-PSS\_DESTROYED: [chars] PSS Destroyed

**Explanation** One of the persistent information databases of QoS Manager has been intentionally destroyed and would be recreated.

**Recommended Action** No action is required.

**Message** QOS-6-SERVICE\_UP: Initialized [chars]

**Explanation** The QOS Manager is up and ready to accept client requests. The service was initialized in [char] mode.

**Recommended Action** No action is required.

**Message** QOS-6-SWITCHOVER: Switching Over to other Supervisor.

**Explanation** The QOS Manager has successfully switched over to the standby supervisor card.

**Recommended Action** No action is required.

**Message** QOS-6-UNKNOWNMTS: QoS Manager received an unexpected message

**Explanation** QoS Manager received an unexpected message.

**Recommended Action** No action is required.

## R2D2\_USD Messages

This section contains the R2D2\_USD messages.

### R2D2\_USD-2

**Message** R2D2\_SYSLOG\_LOG\_CRIT: Disabling R2D2 interrupt using EEM

**Explanation** Gross interrupt threshold exceeded for asic instance. So interrupts have been disabled permanently on the MAC asic.

**Recommended Action** Reload the module or reload the SUP will recover.



## R2D2\_USD-6

**Message** R2D2\_USD-6-R2D2\_SYSLOG\_INFO: [chars]

**Explanation** R2D2 log message

**Recommended Action** No action is required.

## RADIUS Messages

This section contains the RADIUS messages.

### RADIUS-2

**Message** RADIUS-2-RADIUS\_NO\_AUTHEN\_INFO: ASCII authentication not supported

**Explanation** ASCII authentication not supported.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** RADIUS-2-RADIUS\_PROGRAM\_EXIT: RADIUS daemon exiting: [chars]

**Explanation** RADIUS daemon is exiting.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

### RADIUS-3

**Message** RADIUS-3-RADIUS\_ERROR\_MESSAGE: [chars]

**Explanation** RADIUS Message

**Recommended Action** No action is required.

### RADIUS-4

**Message** RADIUS-4-RADIUS\_WARNING: [chars]

**Explanation** RADIUS Warning

**Recommended Action** No action is required.

## RADIUS-5

**Message** RADIUS-5-RADIUS\_MONITOR\_STATUS: [chars] [chars]

**Explanation** Notifying Radius server monitor status change

**Recommended Action** No action is required.

**Message** RADIUS-5-RADIUS\_NOTIFICATION: [chars]

**Explanation** RADIUS Notification

**Recommended Action** No action is required.

**Message** RADIUS-5-RADIUS\_SERVER\_STATUS: [chars] server [chars] with auth-port [dec] and acct-port [dec] status has changed from [chars] to [chars]. Server was in previous-state for [chars], and total dead time of the server is [chars]

**Explanation** Notifying Radius server status change

**Recommended Action** No action is required.

## RADIUS-6

**Message** RADIUS-6-RADIUS\_ACCOUNTING\_MESSAGE: [chars]

**Explanation** Accounting Message

**Recommended Action** No action is required.

**Message** RADIUS-6-RADIUS\_MESSAGE: [chars]

**Explanation** RADIUS Message

**Recommended Action** No action is required.

## RDL Messages

This section contains the RDL messages.

## RDL-2

**Message** RDL-2-PSS\_VER\_FAIL: PSS file [chars] has version [dec].[dec].[dec], expected version [dec].[dec].[dec]

**Explanation** There was a mismatch in the PSS version. [chars] indicates the PSS service, [dec].[dec].[dec] its current version number and [dec].[dec].[dec] the expected version

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## RDL-3

**Message** RDL-3-SYSLOG\_ALLOC\_FAIL: [chars]

**Explanation** RDL memory allocation failed: [chars].

**Recommended Action** No action is required.

**Message** RDL-3-SYSLOG\_CONTEXT\_ERR: [chars] [dec]

**Explanation** RDL context error: [chars] [dec].

**Recommended Action** No action is required.

**Message** RDL-3-SYSLOG\_ERR:: [chars]

**Explanation** RDL syslog errors: [chars].

**Recommended Action** No action is required.

**Message** RDL-3-SYSLOG\_EXIT: [chars]

**Explanation** RDL exiting on errors: [chars].

**Recommended Action** No action is required.

**Message** RDL-3-SYSLOG\_INIT\_FAIL: [chars] [chars]

**Explanation** RDL Initialization Failed: [chars] [chars].

**Recommended Action** No action is required.

**Message** RDL-3-SYSLOG\_MTS\_ERR: [chars]

**Explanation** RDL MTS errors: [chars].

**Recommended Action** No action is required.

## RDL-6

**Message** RDL-6-INFORMATION: [chars]

**Explanation** An event happened that affects RDL. [chars] indicates the event

**Recommended Action** No action is required.

**Message** RDL-6-PSS\_ERR: [chars]

**Explanation** An error occurred during an RDL PSS operation. [chars] indicates the PSS operation that caused the error

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** RDL-6-SYSLOG\_DEBUG\_1:: [chars] [hex]

**Explanation** RDL Debug logs: [chars] [dec].

**Recommended Action** No action is required.

**Message** RDL-6-SYSLOG\_DEBUG\_2:: [chars] [hex]

**Explanation** RDL Debug logs: [chars] [dec].

**Recommended Action** No action is required.

**Message** RDL-6-SYSLOG\_INFO:: [chars]

**Explanation** RDL Debug logs: [chars].

**Recommended Action** No action is required.

**Message** RDL-6-SYSLOG\_RESP\_RCVD:: [chars] [dec]

**Explanation** RDL context error: [chars] [dec].

**Recommended Action** No action is required.

## RES\_MGR Messages

This section contains the RES\_MGR messages.

### RES\_MGR-1

**Message** RES\_MGR-1-RES\_MGR\_HA\_ERR: HA sync message received for resource [dec] which does not exist

**Explanation** RES\_MGR Received HA msg for resource which does not exist Please check standby status and restart standby to recover

**Recommended Action** No action is required.

### RES\_MGR-2

**Message** RES\_MGR-2-RES\_MGR\_CONFLICTING\_RESOURCE\_KEYS: The [chars] resource key [dec] from node [dec] is conflicting with other nodes.

**Explanation** The user should try and release the conflicting resource.

**Recommended Action** No action is required.

**Message** RES\_MGR-2-RES\_MGR\_CRIT: RES\_MGR Critical: [chars]

**Explanation** RES\_MGR generic critical condition

**Recommended Action** No action is required.

**Message** RES\_MGR-2-RES\_MGR\_HA\_PSS\_ERR: HA sync message received for resource [dec] with wrong pss type [dec]

**Explanation** RES\_MGR Received HA msg for resource which does not exist Please check standby status and restart standby to recover

**Recommended Action** No action is required.

## RES\_MGR-3

### Message

ES\_MGR-3-RES\_MGR\_RES\_ALREADY\_EXCEEDED: The VDC [dec] is currently already using more [chars] resources (total: [dec]) than the desired new maximum limit ([dec])

**Explanation** A limit-resource command was issued such that a VDC would be a forbidden state if we obeyed, having already allocated more resources than the new maximum limit

**Recommended Action** No action is required.

Message RES\_MGR-3-RES\_MGR\_RES\_MAX\_LOWER\_THAN\_MIN: The maximum limit for [chars] resources is not allowed to be less than the minimum limit

**Explanation** A limit-resource command was issued such that the desired maximum limit was lower than the desired minimum limit

**Recommended Action** No action is required.

Message RES\_MGR-3-RES\_MGR\_RES\_TOO\_HIGH: Limits for [chars] resources are not allowed to be set as high

**Explanation** A limit-resource command was issued such that a desired limit could not be set because of static policies

**Recommended Action** No action is required.

Message RES\_MGR-3-RES\_MGR\_RES\_UNAVAIL: Missing [dec] [chars] resources currently available to satisfy the minimum limit requested for vdc [dec]

**Explanation** A limit-resource command was issued such that the desired minimum limit could not be set because of static policies

**Recommended Action** No action is required.

## RES\_MGR-4

Message RES\_MGR-4-RES\_MGR\_MAX\_ALLOWED\_VDCS\_HAS\_DECREASED: The maximum number of allowed VDCs has decreased from [dec] to [dec] since binary config was saved.

**Explanation** When startup config was saved, more VDCs were allowed in the system.

**Recommended Action** No action is required.

**Message** RES\_MGR-4-RES\_MGR\_RES\_ALREADY\_EXCEEDED\_BUT\_NOT\_ENFORCED: The VDC [dec] is currently already using more [chars] resources (total: [dec]) than the desired new maximum limit ([dec]) You may experience some route loss upon switchover, when the new limits will actually take effect.

**Explanation** A limit-resource command was issued such that a VDC may not have enough memory for holding the current amount of routing entries when the new limits will be enforced upon switchover

**Recommended Action** No action is required.

**Message** RES\_MGR-4-RES\_MGR\_SC\_PSS\_PCW\_NETADMIN: Performing partial config write for resource [chars] in vdc [dec]

**Explanation** A copy running-config startup-config command was issued from a local admin resource limits for the specified resource in the specified vdc had to be saved as a side-effect of it

**Recommended Action** No action is required.

**Message** RES\_MGR-4-RES\_MGR\_SC\_PSS\_PCW: Performing partial config write for resource [chars]

**Explanation** A copy running-config startup-config command was issued from another VDC resource limits for the specified resource had to be saved as part of it

**Recommended Action** No action is required.

**Message** RES\_MGR-4-RES\_MGR\_UNEXPECTED\_MSG\_LEN: The size of this message was expected to be [dec] ([dec] keys of [dec] size with a [dec] bytes header) and instead was [dec].

**Explanation** A message of unexpected length was received.

**Recommended Action** No action is required.

**Message** RES\_MGR-4-RES\_MGR\_VLAN\_RESERVED\_RANGE\_UNAVAILABLE: System is running with limited functionality due to restricted reserved vlan range 3968-4047 should be 3968-4096.

**Explanation** User should delete VLANS in range 4048-4093 and use following command: system vlan 3968 reserve

**Recommended Action** No action is required.

## RES\_MGR-5

**Message** RES\_MGR-5-RES\_MGR\_DISABLED: RES\_MGR Disabled

**Explanation** RES\_MGR Service Disabled

**Recommended Action** No action is required.

**Message** RES\_MGR-5-RES\_MGR\_ENABLED: RES\_MGR Enabled

**Explanation** RES\_MGR Service Enabled

**Recommended Action** No action is required.

## RES\_MGR-6

**Message** RES\_MGR-6-RES\_MGR\_CONDITION\_VERIFIED: error [hex] [[chars]] during  
sysmgrcb\_vdc\_handshake\_done() for vdc [dec]

**Explanation** RES\_MGR is spotting some issue when VDC got created

**Recommended Action** No action is required.

## RIB Messages

This section contains the RIB messages.

### RIB-0

**Message** RIB-0-EMERG: [chars]

**Explanation** Rib caused a system failure

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

### RIB-1

**Message** RIB-1-ALERT: [chars]

**Explanation** Rib caused failures in other services

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.



**Message** RIB-1-LCM\_FIB\_ERR: RIB failed LC insertion

**Explanation** RIB stopped linecard from coming online due to error received from FIB during merge operation

**Recommended Action** Check RIB error logs to see error received from FIB

## RIB-2

**Message** RIB-2-CRIT: [chars]

**Explanation** Rib encountered a catastrophic error

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## RIB-3

**Message** RIB-3-ERR: [chars]

**Explanation** Rib encountered an error

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** RIB-3-FIB\_EXIT: fib exited

**Explanation** Fib had exited and may not continue operation

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** RIB-3-MISS\_APPS: Missing response from service

**Explanation** Service not responding to rib

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** RIB-3-NO\_MEM: Out of memory

**Explanation** Rib does not have enough memory to continue proper operation.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** RIB-3-SEND\_FIB: Cannot talk to fib

**Explanation** Rib to fib IPC failure

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** RIB-3-SEND\_SNMP: Cannot respond to snmp

**Explanation** Rib to snmp IPC failure

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** RIB-3-SEND\_STANDBY: Cannot talk to standby rib

**Explanation** Lost a rib-fib transaction log due to IPC failure

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## RIB-4

**Message** RIB-4-CPU\_HOG: Inactive or busy

**Explanation** Either rib was not scheduled to run, or rib was busy, and rib did not service the message or timer queue for an extended period.

**Recommended Action** Please perform debug rib error', then recreate the operation scenario, to find out more details.'

**Message** RIB-4-DUP\_FIB: Duplicate response from fib

**Explanation** Rib ignored duplicate response from fib

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** RIB-4-LATE\_FIB: Late response from fib

**Explanation** Rib ignored late response from fib

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** RIB-4-PC\_LIMIT: PC number greater than 128 (ignored by RIB)

**Explanation** Rib ignored pc

**Recommended Action** Please use PC number < 128 >

**Message** RIB-4-WARN: [chars]

**Explanation** Rib ignored the unexpected condition

**Recommended Action** Please perform debug rib error, then recreate the operation scenario, to find out more details.

## RIB-5

**Message** RIB-5-NOTE: [chars]

**Explanation** Rib does not support this operation

**Recommended Action** Please perform debug rib error, then recreate the operation scenario, to find out more details.

## RIB-6

**Message** RIB-6-INFO: [chars]

**Explanation** Rib event occurred

**Recommended Action** No action is required.

## RLIR Messages

This section contains the RLIR messages.

### RLIR-2

**Message** RLIR-2-DRLIR\_REJECT: DRLIR rejected: [chars]: fcid [chars], reason code [dec]

**Explanation** DRLIR rejected: [chars] fcid [chars] reason code [dec]

**Recommended Action** No action is required.

**Message** RLIR-2-FC2\_FAILED: RLIR FC2 operation failed: [chars]: [chars]

**Explanation** RLIR FC2 operation failed: [chars] [chars]

**Recommended Action** No action is required.

**Message** RLIR-2-INIT\_FAILED: RLIR Init failed: [chars]

**Explanation** RLIR Init failed: [chars]

**Recommended Action** No action is required.

**Message** RLIR-2-LINK\_INCIDENT: Interface [chars] [Port [hex]], Link Status: [chars], Link Status Reason: [chars]

**Explanation** RLIR module detected an unintentional Link Incident

**Recommended Action** No action is required.

**Message** RLIR-2-MALLOC\_FAILED: RLIR Malloc failed: [chars]

**Explanation** RLIR Malloc failed: [chars]

**Recommended Action** No action is required.

**Message** RLIR-2-MTS\_FAILED: RLIR MTS operation failed: [chars]: [chars]

**Explanation** RLIR MTS operation failed: [chars] [chars]

**Recommended Action** No action is required.

**Message** RLIR-2-PSS\_FAILED: RLIR PSS operation failed: [chars]: [chars]

**Explanation** RLIR PSS operation failed: [chars] [chars]

**Recommended Action** No action is required.

## RLIR-6

**Message** RLIR-6-SYSLOG\_INFO: RLIR Syslog info: [chars]

**Explanation** RLIR Syslog info: [chars]

**Recommended Action** No action is required.

**Message** RLIR-6-SYSLOG\_STATUS: RLIR Syslog status: [chars]: [chars]

**Explanation** RLIR Syslog status: [chars] [chars]

**Recommended Action** No action is required.

## RM Messages

This section contains the RM messages.

### RM-6

**Message** RM-6-RMGR\_INFO: [chars]

**Explanation** RMGR daemon informational message

**Recommended Action** No action is required.

**Message** RM-6-STARTING: daemon started

**Explanation** The RMGR daemon successfully started

**Recommended Action** No action is required.

### RM-SLOT#-2

**Message** RM-SLOT#-2-CPP\_CATASTROPHIC\_ERROR: ERROR: Component ([chars]) caused critical error. Service Module will be reloaded

**Explanation** Component caused critical error

**Recommended Action** Restart the linecard

**Message** RM-SLOT#-2-RM\_CPP\_RELOAD\_TMOUT: ERROR: Component ([chars]) timed out for critical error response. Service Module will be reloaded

**Explanation** Component critical error timeout

**Recommended Action** No action is required.

**Message** RM-SLOT#-2-RM\_CRITICAL\_ALERT: [chars]

**Explanation** Critical Alert

**Recommended Action** Restart the linecard

**Message** RM-SLOT#-2-RM\_PROCESS\_FAILED: ERROR: [chars] failed

**Explanation** Process failed

**Recommended Action** No action is required.

**Message** RM-SLOT#-2-RM\_PROCESS\_TMOUT: ERROR: [chars] did not complete. Reloading Service Module

**Explanation** Component critical error timeout

**Recommended Action** No action is required.

**Message** RM-SLOT#-2-RM\_VICPP\_RECREATE\_ERROR: All the fast path resources are down VICPP connectivity lost

**Explanation** Component caused critical error

**Recommended Action** Restart the linecard

## RM-SLOT#-4

**Message** RM-SLOT#-4-RM\_WARNING: [chars]

**Explanation** Warning

**Recommended Action** No action is required.

## RSCN Messages

This section contains the RSCN messages.

### RSCN-2

**Message** RSCN-2-FC2\_FAILED: RSCN FC2 operation failed: [chars]: [chars]

**Explanation** RSCN FC2 operation failed: [chars] [chars]

**Recommended Action** No action is required.

**Message** RSCN-2-INIT\_FAILED: RSCN Init failed: [chars]

**Explanation** RSCN Init failed: [chars]

**Recommended Action** No action is required.

**Message** RSCN-2-MALLOC\_FAILED: RSCN Malloc failed: [chars]

**Explanation** RSCN Malloc failed: [chars]

**Recommended Action** No action is required.

**Message** RSCN-2-MTS\_FAILED: RSCN MTS operation failed: [chars]: [chars]

**Explanation** RSCN MTS operation failed: [chars] [chars]

**Recommended Action** No action is required.

**Message** RSCN-2-SCR\_REJECT: SCR rejected: [chars]: fcid [chars], Reason code-[chars], Reason code expl-[chars]

**Explanation** SCR rejected: [chars] fcid [chars] Reason code [chars] Reason code expl [chars]

**Recommended Action** No action is required.

## RSCN-3

**Message** RSCN-3-PSS\_FAILED: RSCN PSS operation failed: [chars]: [chars]

**Explanation** RSCN PSS operation failed: [chars] [chars]

**Recommended Action** No action is required.

## RSCN-4

**Message** RSCN-4-RSCN\_REJECT: RSCN rejected: [chars]: fcid [chars], Reason code-[chars], Reason code expl-[chars]

**Explanation** RSCN rejected: [chars] fcid [chars] Reason code [chars] Reason code expl [chars]

**Recommended Action** No action is required.

**Message** RSCN-4-SWRSCN\_REJECT: SW-RSCN rejected: [chars]: fcid [chars], Reason code-[chars], Reason code expl-[chars]

**Explanation** SW-RSCN rejected: [chars] fcid [chars] Reason code [chars] Reason code expl [chars]

**Recommended Action** No action is required.

## RSCN-6

**Message** RSCN-6-SYSLOG\_INFO: RSCN Syslog info: [chars]

**Explanation** RSCN Syslog info: [chars]

**Recommended Action** No action is required.

**Message** RSCN-6-SYSLOG\_STATUS: RSCN Syslog status: [chars]: [chars]

**Explanation** RSCN Syslog status: [chars] [chars]

**Recommended Action** No action is required.





## S to T

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This chapter includes system messages for the Cisco NX-OS MDS 9000 families of switches. The messages are listed in alphabetical order by the system facility that produces them. Within each system facility section, messages are listed alphabetically by severity and mnemonics. Each message is followed by an explanation and a recommended action.

### SABRE\_APP Messages

This section contains the SABRE\_APP messages.

#### SABRE\_APP-SLOT#-2

**Message** SABRE\_APP-SLOT#-2-SABRE\_APP\_EXITED: Sabre driver application exited (syserr = [dec], errno = [dec])

**Explanation** Sabre driver application exited

**Recommended Action** No action is required.

### SAC\_USD Messages

This section contains the SAC\_USD messages.

#### SAC\_USD-2

**Message** SAC\_USD-2-JTAG\_CHECK\_FAILED: Xbar Driver JTAG ID check failed for slot:[dec] ASIC:[dec]

**Explanation** Xbar Driver JTAG ID check failed

**Recommended Action** No action is required.

**Message** SAC\_USD-2-SAC\_ACCESS\_FAILED: Xbar Driver Failed to access reg for [chars]

**Explanation** Xbar Driver Access failed

**Recommended Action** No action is required.

**Message** SAC\_USD-2-SAC\_CATASTROPHIC: Xbar Driver catastrophic failure: [chars]

**Explanation** Xbar Driver catastrophic error

**Recommended Action** No action is required.

**Message** SAC\_USD-2-SAC\_INTR\_OCCURRED: Xbar ASIC interrupt occurred: [chars]

**Explanation** Interrupt occurred

**Recommended Action** No action is required.

**Message** SAC\_USD-2-SAC\_INTR\_THRESHLD: Xbar ASIC interrupt threshold reached:  
[chars]

**Explanation** Interrupt threshold reached

**Recommended Action** No action is required.

**Message** SAC\_USD-2-SAC\_INTR: Xbar ASIC interrupt occurred: [chars]

**Explanation** Interrupt occurred on the xbar

**Recommended Action** No action is required.

**Message** SAC\_USD-2-SAC\_MALLOC\_FAILED: Xbar Driver memory allocation failed

**Explanation** Xbar Driver Access failed

**Recommended Action** No action is required.

**Message** SAC\_USD-2-SHUTDOWN: Xbar Driver software process exiting: [chars]

**Explanation** Xbar Driver shutting down

**Recommended Action** No action is required.

**Message** SAC\_USD-2-SYNC\_FAILED: Xbar Driver sync failed: [chars]

**Explanation** Xbar Driver Sync failed for the xbar channel

**Recommended Action** No action is required.

## SAC\_USD-3

**Message** SAC\_USD-3-EN\_DATA\_FAILED: Xbar Driver enable data failed for slot:[dec] asic:[dec] channel:[hex]

**Explanation** Xbar Driver Enable Data path failed for the xbar channel

**Recommended Action** No action is required.

**Message** SAC\_USD-3-FPOE\_DB\_ECC: Xbar Driver FPOE DB ECC error in [chars]

**Explanation** FPOE DB ECC error

**Recommended Action** No action is required.

## SAC\_USD-5

**Message** SAC\_USD-5-STARTING: Xbar Driver process starting

**Explanation** Xbar Driver process is being started

**Recommended Action** No action is required.

**Message** SAC\_USD-5-XBAR\_FLOW\_CTRL\_DIS\_EN: XBAR Multicast Flow Control [chars]

**Explanation** Sacramento xbar multicast flow control on Stage3 ports

**Recommended Action** No action is required.

## SAC\_USD-6

**Message** SAC\_USD-6-DIS\_DATA: Xbar Driver disable datapath done for slot:[dec] asic:[dec] channel:[hex]

**Explanation** Disabled Data path successfully for the xbar channel

**Recommended Action** No action is required.

**Message** SAC\_USD-6-EN\_DATA: Xbar Driver enable datapath done for slot:[dec] asic:[dec] channel:[hex]

**Explanation** Enabled Data path successfully for the xbar channel

**Recommended Action** No action is required.

**Message** SAC\_USD-6-SAC\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

**Message** SAC\_USD-6-SPINE\_HW\_INIT: Xbar Driver HW initialization has been done for Fabric-Slot:[dec] Asic:[dec]

**Explanation** Xbar Driver HW initialization has been called [dec]

**Recommended Action** No action is required.

**Message** SAC\_USD-6-SYNC\_DONE: Xbar Driver sync done for slot:[dec] asic:[dec] channel:[hex]

**Explanation** Sync Completed successfully for the xbar channel

**Recommended Action** No action is required.

## SAL Messages

This section contains the SAL messages.

### SAL-5

**Message** SAL-5-SAL\_DISABLED: SAL Disabled

**Explanation** SAL Service Disabled

**Recommended Action** No action is required.

**Message** SAL-5-SAL\_ENABLED: SAL Enabled

**Explanation** SAL Service enabled

**Recommended Action** No action is required.

## SANTAP Messages

This section contains the SANTAP messages.

## SANTAP-SLOT#-2

**Message** SANTAP-SLOT#-2-AVT\_CREATE\_FAILED: AVT PWWN: [chars], NWWN: [chars], Vsan: [dec], Host: [chars], Tgt: [chars], TgtVsan: [dec], RC: [chars]

**Explanation** AVT create failed because sanity check failed. Please check reason code for exact failure.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-AVT\_SCSI\_FAILED: AVT PWWN: [chars], Host: [chars], AVT Lun: 0x%Ld AVT Vsan: [dec], OPC: [hex] RC: [chars]

**Explanation** SCSI command to AVT is invalid Please check reason code for exact failure.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-COMMIT\_FAILED: Commit Failed, status: [dec] token = [dec], vtUId = 0x%Lx, lunId = 0x%Lx

**Explanation** ISAPI Commit Failed, number of ITLs exceeded limit for the DPP

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-CVT\_CREATE\_FAILED: CVT PWWN: [chars], NWWN: [chars], Vsan: [dec], RC: [chars]

**Explanation** CVT create failed because sanity check failed. Please check reason code for exact failure.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-DVT\_CREATE\_FAILED: DVT PWWN: [chars], FEVsan: [dec], BEVsan: [dec], io\_tmo: [dec], app\_io\_tmo: [dec], RC: [chars]

**Explanation** DVT create failed because sanity check failed. Please check reason code for exact failure.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-DVT\_DELETE\_FAILED: DVT PWWN: [chars], RC: [chars]

**Explanation** DVT delete failed. Please check reason code for exact failure.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-DVT\_LUN\_CREATE\_FAILED: DVT: [chars], Host: [chars], DVTLun: 0x%LX, TGTlun: 0x%LX, HIIndex: [dec], Expected HIIndex: [dec], RC: [chars]

**Explanation** DVT LUN create failed because of sanity checks. Please check reason code for exact failure

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-FIT\_EXISTS\_ON\_DIFFERENT\_DPP\_ERR: CONFIG Error: Cannot Create FIT on DPP [dec] for DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Same Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] is logged in to another DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] on a different DPP [dec]

**Explanation** Same HOST cannot log into two DVTs which are on different DPPs

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-FIT\_EXISTS\_ON\_DIFFERENT\_PORT\_ERR: CONFIG Error: Cannot Create FIT on Ifindex [hex]. Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] logged in to DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] on a different if index [hex]

**Explanation** Same HOST cannot log into two DVTs which are on different ports

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-HOST\_PWWN\_EXISTS\_IN\_BE\_VSAN: WARNING:: Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] Exists in BackEnd Vsan [dec], cannot create FIT for DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]

**Explanation** FIT cannot be created, as Host exists in the Backend Vsan.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-INTERNAL\_ERR: [chars]

**Explanation** Santap Internal Error

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ISAPI\_CRIT\_PROCESS\_CRASH: [chars]. [chars]. SANTAP VM Size: [dec]kB

**Explanation** ISAPI critical error - process crash.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-PSS\_DELETE\_AVT\_REC: AVT PWWN: [chars], NWWN: [chars], Vsan: [dec], Host: [chars], Tgt: [chars], TgtVsan: [dec], RC: [chars]

**Explanation** AVT PSS record is deleted because sanity check failed. Please check reason code for exact failure.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-PSS\_DELETE\_CVT\_REC: CVT PWWN: [chars], NWWN: [chars], Vsan: [dec], RC: [chars]

**Explanation** CVT PSS record is deleted because sanity check failed. Please check reason code for exact failure.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-PSS\_DELETE\_DVT\_REC: DVT PWWN: [chars], FEvsan: [dec], BEVsan: [dec], io\_tmo: [dec], app\_io\_tmo: [dec], RC: [chars]

**Explanation** DVT PSS record is deleted because sanity check failed. Please check reason code for exact failure.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-SANTAP\_UNPROVISIONING\_NOT\_SUPPORTED\_DURING\_PSS\_RECOVERY: Santap can not be unprovisioned during pss recovery. Please wait for Santap to recover and retry.

**Explanation** Santap can not be unprovisioned during pss recovery. Please wait for Santap to recover and retry.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-SANTAP\_VERSION\_NOT\_SUPPORTED: Santap feature is not supported in this version of NX-OS. Please refer to NX-OS release notes for more detail.

**Explanation** Santa feature is not supported in this version of NX-OS. Please refer to NX-OS release notes for more detail.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_AVT\_DELETED: Santap: AVT [hex] : [hex] : [hex] : [hex] : [hex] : [hex] : [hex] : [hex] (avt vsan [dec]) deleted

**Explanation** Santap AVT is deleted as part of Unprovisioning or VSAN Delete

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_AVT\_LUN\_DELETED: Santap: AVT  
[hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex] (avt lun 0x%Lx) deleted

**Explanation** Santap avt lun is deleted as part of Previsioning or VSAN Delete or CLI

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_CVT\_DELETED: Santap: CVT  
[hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex] (cvt vsan [dec], name [chars])  
deleted

**Explanation** Santap CVT is deleted as part of Unprovisioning or VSAN Delete

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_DVT\_DELETED: Santap: DVT  
[hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex] (FE vsan [dec], BE vsan [dec])  
deleted

**Explanation** Santap DVT is deleted as part of Unprovisioning or VSAN Delete

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_GLOBAL\_DUPLICATE\_AVT\_REC: PSS Error: Deleting  
duplicate AVT %Lx PSS record

**Explanation** Duplicate AVT Error

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_GLOBAL\_DUPLICATE\_CVT\_IN\_VSAN: PSS Error: VSAN: [dec]  
already has CVT %Lx. Deleting CVT %Lx PSS record

**Explanation** Multiple CVT in VSAN Error

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_GLOBAL\_DUPLICATE\_DVT\_REC: PSS Error: Deleting  
duplicate DVT %Lx PSS record

**Explanation** Duplicate DVT Error

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_GLOBAL\_NO\_DVT\_AVT\_ERR: DVT %Lx does not exist for AVT

**Explanation** No DVT for AVT Error

**Recommended Action** No action is required.



**Message** SANTAP-SLOT#-2-ST\_GLOBAL\_NO\_HIFIT\_AVT\_ERR: HI %Lx does not exist for AVT %Lx

**Explanation** No HI for AVT Error

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_GLOBAL\_NO\_VSAN\_DEL\_AVT: PSS Error: VSAN: [dec] deleted. Deleting AVT %Lx PSS record

**Explanation** VSAN Deleted Error

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_GLOBAL\_NO\_VSAN\_DEL\_CVT: PSS Error: VSAN: [dec] deleted. Deleting CVT %Lx PSS record

**Explanation** VSAN Deleted Error

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_GLOBAL\_NO\_VSAN\_DEL\_DVT: PSS Error: VSAN: [dec] deleted. Deleting DVT %Lx PSS record

**Explanation** VSAN Deleted Error

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_HOST\_PURGED\_FROM\_DVT: Santap: Host [hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex] removed from DVT [hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex] (FE vsan [dec], BE vsan [dec]).

**Explanation** Santap Host Initiator is removed from DVT

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_MAX\_32BIT\_LUNS\_PER\_HOST\_REACHED: MAX\_32bit\_LUNS\_PER\_HOST([dec]) limit reached for Host [hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex], DVT [hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex]. Cannot Install Lun 0x%Lx

**Explanation** System limit reached for the number of Luns per Host. More Luns cannot be added at this point.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_MAX\_DVT\_LUNS\_PER\_LC\_REACHED:  
 MAX\_DVT\_LUNS\_PER\_LC([dec]) limit reached. Host  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], Cannot Install Lun 0x%Lx

**Explanation** System limit reached for the number of Luns per LC. More Luns cannot be added at this point.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_MAX\_HOSTS\_PER\_DVT\_REACHED: MAX\_HOST\_PER\_DVT([dec])  
 limit reached for DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Reject  
 Plogi/Prli from Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]

**Explanation** System limit reached for the number of Hosts logging into DVT. More Hosts cannot be configured at this point.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_MAX\_ITLS\_PER\_DPP\_REACHED: MAX\_LUNS\_PER\_DPP([dec])  
 limit reached on DPP [dec] for Host  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Cannot Install Lun 0x%Lx

**Explanation** System limit reached for the number of ITLs per DPP. More Luns cannot be added at this point.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_MAX\_LUNS\_PER\_DVT\_REACHED: MAX\_LUNS\_PER\_DVT([dec])  
 limit reached for Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Cannot Install Lun 0x%Lx

**Explanation** System limit reached for the number of Luns per DVT. More Luns cannot be added at this point.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_MAX\_LUNS\_PER\_HOST\_REACHED: MAX\_LUNS\_PER\_HOST([dec])  
 limit reached for Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Cannot Install Lun 0x%Lx

**Explanation** System limit reached for the number of Luns per Host. More Luns cannot be added at this point.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_REPORT\_LUNS\_FAILED\_ZONE\_MISCONFIG: ZONE MISCONFIG: Report Luns Failed for Host: [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], Tgt: [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], dd-sts [hex], scsi-sts [hex], isapi-sts [hex]

**Explanation** Report Luns Failed for the specified Host, Target pair due to missing zone. Please check the zone configuration.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_REPORT\_LUNS\_FAILED: Report Luns Failed for Host: [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], Tgt: [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], dd-sts [hex], scsi-sts [hex], isapi-sts [hex]

**Explanation** Report Luns Failed for the specified Host, Target pair. Please check the configuration.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_SES\_DELETED: Santap: Ses [dec] deleted

**Explanation** Santap ses is deleted as part of Unprovisioning or VSAN Delete or CLI

**Recommended Action** No action is required.

## SANTAP-SLOT#-4

**Message** SANTAP-SLOT#-4-INTERNAL\_WARNING: [chars]

**Explanation** Santap Internal Warning

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-4-ST\_16\_BIT\_LUNS\_PRESENT: 16 Bit luns installed (current num luns [dec]) for Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Cannot Install Lun 0x%Lx !!

**Explanation** Cannot Install 16bit and 32 bit luns for the same Host-Target pair

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-4-ST\_32\_BIT\_LUNS\_PRESENT: 32 Bit luns installed (current num luns [dec]) for Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Cannot Install Lun 0x%Lx !!

**Explanation** Cannot Install 16 bit and 32 bit luns for the same Host-Target pair

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-4-ST\_LUN\_BLK\_SIZE\_GREATER\_THAN\_FIVE\_TWELVE: Lun Block Size 0x%Lx detected is greater than 512 for Host  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], Lun 0x%Lx. Cannot Install this Lun.

**Explanation** Santap does not support Luns with block size greater than 512

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-4-ST\_LUN\_DEVICE\_TYPE\_NOT\_SUPPORTED: Lun Device Type [dec] detected is not supported for Host  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], Lun 0x%Lx. Cannot Install this Lun.

**Explanation** Santap does not support devices other than DASD and ArrCntl.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-4-ST\_LUN\_SIZE\_GREATER\_THAN\_2\_POW\_48: Lun Size 0x%Lx detected is greater than 2 power 48 for Host [hex]:[hex]:[hex], DVT  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], Lun 0x%Lx. Cannot Install this Lun.

**Explanation** Santap does not support Luns greater than 2 power 48

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-4-ST\_MISSING\_LUN\_IN\_TARGET\_AVT\_LUN\_EXISTS: Warning: Lun 0x%Lx deleted on Target but AVT LUN 0x%Lx exists for Host  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], AVT  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]

**Explanation** Please remove relevant avtluns, as Lun no longer exists on Target

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-4-ST\_MISSING\_LUN\_IN\_TARGET\_SES\_EXISTS: Warning: Lun 0x%Lx deleted on Target but Session [dec] exists for Host  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]

**Explanation** Please remove relevant sessions, as Lun no longer exists on Target

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-4-ST\_NEAR\_MAX\_HOSTS\_PER\_DVT: Warning: Approaching MAX\_HOSTS\_PER\_DVT([dec]) for DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Existing num hosts [dec]

**Explanation** Please be wary of the number of hosts logging in.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-4-ST\_NEAR\_MAX\_LUNS\_PER\_HOST: Warning: Approaching MAX\_LUNS\_PER\_HOST([dec]) limit for Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Existing num luns [dec]

**Explanation** Please be wary of the number of luns configured for this host.

**Recommended Action** No action is required.

## SANTAP-SLOT#-5

**Message** SANTAP-SLOT#-5-SANTAP\_INFO: [chars]

**Explanation** SANTAP notification.

**Recommended Action** No action is required.

## SANTAP-SLOT#-6

**Message** SANTAP-SLOT#-6-FIT\_CREATE\_ERROR\_TARGET\_OFFLINE: Target Offline, Cannot Create FIT in vsan [dec] for Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] and DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]

**Explanation** FIT Cannot be created as the target is offline

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-6-ST\_MASK\_PACING\_COUNTER\_RESET: Current outstanding MO [dec] EMI [dec] MAO [dec] reset counter [dec] pacing? [dec] current thresholds MO [dec] EMI [dec] MAO [dec]

**Explanation** User has reset avt lun mask pacing counter

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-6-ST\_MASK\_PACING\_DISABLED: Current outstanding MO [dec] EMI [dec] MAO [dec] reset counter [dec] current thresholds MO [dec] EMI [dec] MAO [dec]

**Explanation** User has disabled avt lun mask pacing

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-6-ST\_MASK\_PACING\_ENABLED: Current outstanding MO [dec] EMI [dec] MAO [dec] reset counter [dec] current thresholds MO [dec] EMI [dec] MAO [dec]

**Explanation** User has enabled avt lun mask pacing

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-6-ST\_MASK\_PACING\_EXCL\_MASK\_IN\_PARAM\_MODIFIED: Current outstanding MO [dec] EMI [dec] MAO [dec] reset counter [dec] pacing? [dec] new thresholds MO [dec] EMI [dec] MAO [dec]

**Explanation** User has modified excl mask in threshold

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-6-ST\_MASK\_PACING\_MASK\_ALL\_OUT\_PARAM\_MODIFIED: Current outstanding MO [dec] EMI [dec] MAO [dec] reset counter [dec] pacing? [dec] new thresholds MO [dec] EMI [dec] MAO [dec]

**Explanation** User has modified mask all out threshold

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-6-ST\_MASK\_PACING\_MASK\_OUT\_PARAM\_MODIFIED: Current outstanding MO [dec] EMI [dec] MAO [dec] reset counter [dec] pacing? [dec] new thresholds MO [dec] EMI [dec] MAO [dec]

**Explanation** User has modified mask out threshold

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-6-ST\_RECOVER\_VSAN\_DATABASE: Attempting VSAN database resync

**Explanation** Santap force recovery of vsans has been attempted by user. This will attempt to bring back santap vsan database in sync with the switch

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-6-ST\_RESYNC\_VTS\_IN\_VSAN: ReSync Vsan [dec], changing state from [chars] to [chars]. All the VTs in this vsan will be resynced

**Explanation** Santap force recovery of vsans has been attempted by user. This will attempt to bring back santap vt in sync with ISAPI

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-6-ST\_SCP\_PACING\_COUNTER\_RESET: Current outstanding scp [dec] reset counter [dec] threshold [dec]

**Explanation** User has reset scp pacing

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-6-ST\_SCP\_PACING\_DISABLED: Current outstanding scp [dec] reset counter [dec] threshold [dec]

**Explanation** User has disabled scp pacing

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-6-ST\_SCP\_PACING\_ENABLED: Current outstanding scp [dec] reset counter [dec] threshold [dec]

**Explanation** User has enabled scp pacing

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-6-ST\_SCP\_PACING\_PARAM\_MODIFIED: Current outstanding cps [dec] reset counter [dec] pacing enabled? [dec], new threshold [dec]

**Explanation** User has modified the scp pacing threshold

**Recommended Action** No action is required.

## SAN\_EXT\_TUNER Messages

This section contains the SAN\_EXT\_TUNER messages.

### SAN\_EXT\_TUNER-3

**Message** SAN\_EXT\_TUNER-3-SAN\_EXT\_TUNER\_LICENSE\_EXPIRED: SAN Extension License expired - Disabling SAN Extension Tuner

**Explanation** SAN Extension License expired/not present - Disabling SAN Extension Tuner

**Recommended Action** No action is required.

## SCHEDULER Messages

This section contains the SCHEDULER messages.

## SCHEDULER-2

**Message** SCHEDULER-2-SCH\_SYSLOG\_MALLOC\_ERR: Out of memory: [chars]

**Explanation** Process memory exhausted. Possible memory leak.

**Recommended Action** Contact TAC

**Message** SCHEDULER-2-SCH\_SYSLOG\_MTS\_ERR: MTS error: [chars]

**Explanation** MTS operation failure

**Recommended Action** Contact TAC

**Message** SCHEDULER-2-SCH\_SYSLOG\_PSS\_SNAPSHOT\_ERR: Source URI:[chars] Destination URI:[chars] errcode:[dec]

**Explanation** Error while performing snapshot I/O to PSS

**Recommended Action** Contact TAC

**Message** SCHEDULER-2-SCH\_SYSLOG\_SDWRAP\_ERR: Debug infrastructure initialization failed: [chars]

**Explanation** Debug infrastructure failed to initialize

**Recommended Action** Contact TAC

## SCHEDULER-3

**Message** SCHEDULER-3-SCH\_ERR: [chars]

**Explanation** Scheduler error

**Recommended Action** No action is required.

**Message** SCHEDULER-3-SCH\_SYSLOG\_FILE\_ERR: [chars] Error: [chars]

**Explanation** File handling error

**Recommended Action** No action is required.

**Message** SCHEDULER-3-SCH\_SYSLOG\_PSS\_ERR: Purpose:[chars] URI:[chars] Error:[dec]

**Explanation** Error while performing I/O to PSS

**Recommended Action** Contact TAC



**Message** SCHEDULER-3-SCH\_SYSLOG\_USER\_ERR: Description: Failed to execute job for user id [chars] Error:[dec]

**Explanation** Error while attempting to execute job for user. Possibly, the user is removed from the system.

**Recommended Action** Ensure the user exists. Make sure he is not a remotely authenticated user.

## SCHEDULER-4

**Message** SCHEDULER-4-SCH\_WARN: [chars]

**Explanation** Scheduler warning

**Recommended Action** No action is required.

## SCHEDULER-6

**Message** SCHEDULER-6-SCH\_MSG: [chars]

**Explanation** Scheduler Message

**Recommended Action** No action is required.

## SCM Messages

### SCM-2

**Message** SCM-2-SCMLCINSERTFAIL: [chars]

**Explanation** SCSI-TARGET

**Recommended Action** NONE

## SCSI-TARGET Messages

This section contains the SCSI-TARGET messages.

## SCSI-TARGET-2

**Message** SCSI-TARGET-2-PROC\_OPEN\_VHBA\_DEVICE\_FAIL: Failed to communicate with SCSI-target driver error: [hex]

**Explanation** SCSI-target process failed to communicate with its peer kernel driver [hex]. No SCSI discovery can be performed.

**Recommended Action** Collect more information using command 'show scsi-target internal driver'

**Message** SCSI-TARGET-2-PROC\_SET\_SCSI\_INDEX\_FAIL: Failed to set SCSI index SCSI-target driver error: [hex]

**Explanation** SCSI-target process failed to set SCSI index with its peer kernel driver [hex]. No SCSI discovery can be performed.

**Recommended Action** Collect more information using command 'show scsi-target internal driver'.

**Message** SCSI-TARGET-2-PROC\_WWNM\_GET\_WWN\_FAIL: Failed to get local controller pwnn from WWN Manager error: [hex] response: [hex]

**Explanation** SCSI-target process used wwnm\_bwt\_get\_local\_controller\_wwn() api for the port wwn and it failed due to error [hex], response code [hex]. No SCSI discovery can be performed.

**Recommended Action** Collect more information using commands 'show process scpu' and 'show system internal sysmgr service all'. See WWN Manager system error codes for reason.

**Message** SCSI-TARGET-2-PSS\_INIT\_FAIL: pss initialization failed due to error: [hex]

**Explanation** SCSI-target process pss initialization failure due to error [hex]. No SCSI discovery can be performed.

**Recommended Action** Collect more information using command 'showflash'. See Pss System Error Codes For Reason.'

## SCSI-TARGET-3

**Message** SCSI-TARGET-3-PROC\_VSAN\_GET\_RATOV\_FAIL: Failed to get vsan attribute RATOV from VSAN Manager, error: [hex]

**Explanation** SCSI-target process used the vsan\_get\_global\_value() api for RATOV and it failed due to error [hex].

**Recommended Action** This is a non-fatal error. The default value for RATOV is used. Collect more information using commands 'show process cpu' and 'show system internal sysmgr service all'. See Vsan Manager system error codes for reason.

**Message** SCSI-TARGET-3-PSS\_CREATE\_FAIL: pss create runtime database failed due to error: [hex]

**Explanation** SCSI-target process pss create runtime database failure due to error [hex]. No SCSI discovery can be performed.

**Recommended Action** Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

**Message** SCSI-TARGET-3-PSS\_DELETE\_FAIL: pss delete runtime entry key:[hex] failed due to error: [hex]

**Explanation** SCSI-target process pss delete runtime entry key [hex] failure due to error [hex].

**Recommended Action** Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

**Message** SCSI-TARGET-3-PSS\_MAX\_KEY\_FAIL: pss set runtime max key failed due to error: [hex]

**Explanation** SCSI-target process pss set runtime max key failure due to error [hex]. No SCSI discovery can be performed.

**Recommended Action** Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

**Message** SCSI-TARGET-3-PSS\_MAX\_VALUE\_FAIL: pss set runtime max value failed due to error: [hex]

**Explanation** SCSI-target process pss set runtime max value failure due to error [hex]. No SCSI discovery can be performed.

**Recommended Action** Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

**Message** SCSI-TARGET-3-PSS\_OPEN\_FAIL: pss open runtime database failed due to error: [hex]

**Explanation** SCSI-target process pss open runtime database failure due to error [hex]. No SCSI discovery can be performed.

**Recommended Action** Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

**Message** SCSI-TARGET-3-PSS\_RELOAD\_FAIL: pss reload runtime database failed due to error: [hex]

**Explanation** SCSI-target process pss reload runtime database failure due to error [hex].

**Recommended Action** Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

**Message** SCSI-TARGET-3-PSS\_SNAPSHOT\_DEBUG\_FAIL: pss snapshot runtime debug to uri: [chars] failed due to error: [hex]

**Explanation** SCSI-target process pss snapshot of runtime debug to uri [string] failed due to error [hex].

**Recommended Action** Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

**Message** SCSI-TARGET-3-PSS\_SNAPSHOT\_FAIL: pss snapshot runtime to uri:[chars] failed due to error: [hex]

**Explanation** SCSI-target process pss snapshot of runtime to uri [string] failed due to error [hex].

**Recommended Action** Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

**Message** SCSI-TARGET-3-PSS\_STORE\_FAIL: pss store runtime entry key:[hex] val:[hex] failed due to error: [hex]

**Explanation** SCSI-target process pss store runtime entry key [hex] value [hex] failure due to error [hex].

**Recommended Action** Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

## SCSI-TARGET-7

**Message** SCSI-TARGET-7-SCSI\_TARGET\_DISCOVERED: SCSI-target discovered VSAN:[dec] FCID:[hex] prlisparm:[hex]

**Explanation** SCSI-target process discovered VSAN [dec] FCID [hex] prli service parameter [hex].

**Recommended Action** None

## SDV Messages

This section contains the SDV messages.

### SDV-2

**Message** SDV-2-RANDNUM\_FAIL: Random number generation failed

**Explanation** Random number generation failed. Process has to exit due to FIPS compliance

**Recommended Action** No action is required.

## SDV-3

**Message** SDV-3-ACL\_CACHE\_ERROR: ACL CACHE ERR, Trying to prig with no interface list

**Explanation** A Null interface list was generated for a ACL entry

**Recommended Action** No action is required.

**Message** SDV-3-ACL\_ERROR: ACL API, [chars], failed with error [hex]

**Explanation** SDV invoked ACL API and received the error code. [chars] describes the API and 0x[hex] specifies the error.

**Recommended Action** No action is required.

**Message** SDV-3-ALLOC\_FAILED: Failed for type [dec] size [dec]

**Explanation** SDM process could not allocate heap memory. [dec] is the memory type and [dec] is the size of memory

**Recommended Action** No action is required.

**Message** SDV-3-ASSERTION\_FAILED: [chars]: [dec]

**Explanation** SDM process has hit an assert condition at file [chars] line number [dec]

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SDV-3-AUTO\_FAILOVER\_ERROR: [chars]

**Explanation** SDV Virtual-device failed to auto-fail over due to [chars]

**Recommended Action** No action is required.

**Message** SDV-3-BCAST\_NOT\_SUPPORTED: Broadcast attribute will be ignored for SDV devices

**Explanation** Broadcast attribute will be ignored for SDV devices

**Recommended Action** No action is required.

**Message** SDV-3-ENQUEUE\_EVENT\_FAIL: Unable to enqueue event into state machine

**Explanation** Unable to enqueue event into state machine

**Recommended Action** No action is required.

**Message** SDV-3-FCID\_REWRITE\_REQUEST\_TO\_ACL\_FAILED: fcid rewrite [chars] request vsan [dec] vdev\_id [dec] failed:[chars].

**Explanation** This happens when either after SDV retried the request few times or ACL experienced error while processing the request.

**Recommended Action** No action is required.

**Message** SDV-3-INIT\_FAIL: [chars]

**Explanation** SDM process in it has failed due to [chars]

**Recommended Action** No action is required.

**Message** SDV-3-INTERNAL\_ERR: [chars]

**Explanation** SDM process encountered an internal error due to [chars]

**Recommended Action** No action is required.

**Message** SDV-3-LOCK\_FAILED: [chars]

**Explanation** An error occurred while acquiring the lock. The reason for the failure: [chars]

**Recommended Action** No action is required.

**Message** SDV-3-MERGE\_ACTIVATION\_FAILED: [chars]

**Explanation** Error while activating the merged SDV database due to [chars]

**Recommended Action** No action is required.

**Message** SDV-3-MERGE\_CAP\_FAILED: [chars]

**Explanation** SDV fabric merge failed because of incompatible capabilities [chars]

**Recommended Action** Compare SDV configuration in both fabrics and resolve the conflicts if any and commit the changes.

**Message** SDV-3-MERGE\_FAILED: [chars]

**Explanation** SDV fabric merge failed due to [chars]

**Recommended Action** Check the error using show sdv merge status vsan <vsan-id

**Message** SDV-3-MTS\_ERR: [chars]

**Explanation** SDM process encountered an MTS error due to [chars]

**Recommended Action** No action is required.

## SDV-4

**Message** SDV-4-FCID\_REWRITE\_REQUEST\_TO\_ACL\_FAILED\_AND\_RETRYING: failed:[chars].  
Retrying the request again.

**Explanation** This happens when either any of the linecard being upgraded or ACL experienced error while processing the request.

**Recommended Action** No action is required.

## SDV-6

**Message** SDV-6-INTERNAL\_ERR\_INFO: [chars]

**Explanation** SDM process encountered ignorable error due to [chars]

**Recommended Action** No action is required.

## SDV-7

**Message** SDV-7-SRVCREATED: SDM Process started

**Explanation** SDM process has started

**Recommended Action** No action is required.

## SECURITYD Messages

This section contains the SECURITYD messages.

### SECURITYD-2

**Message** SECURITYD-2-FIPS\_BYPASS\_SELF\_TEST\_STATUS: FIPS Bypass self-test status:  
[chars]

**Explanation** Status of FIPS self-test [chars]

**Recommended Action** No action is required.

**Message** SECURITYD-2-FIPS\_CRNG\_SELF\_TEST\_STATUS: FIPS CRNG self-test status: [chars]

**Explanation** Status of FIPS self-test [chars]

**Recommended Action** No action is required.

**Message** SECURITYD-2-FIPS\_CRYPTO\_SELF\_TEST\_STATUS: FIPS [chars] Crypto self-test status: [chars]

**Explanation** Status of FIPS [chars] self-test [chars]

**Recommended Action** No action is required.

**Message** SECURITYD-2-FIPS\_IMAGE\_INTEGRITY\_SELF\_TEST\_STATUS: FIPS Image Integrity self-test status: [chars]

**Explanation** Status of FIPS [chars] self-test [chars]

**Recommended Action** No action is required.

**Message** SECURITYD-2-FIPS\_POST\_ERROR\_MSG: [chars]

**Explanation** Fips post Message

**Recommended Action** No action is required.

**Message** SECURITYD-2-FIPS\_POST\_MAINTENANCE: FIPS Test failed. Moving to maintenance mode

**Explanation** FIPS Test failed. Moving to maintenance mode

**Recommended Action** No action is required.

**Message** SECURITYD-2-FIPS\_POST\_TEST\_FAILED: FIPS crypto-test failure: [dec]

**Explanation** FIPS crypto-test failed [chars]

**Recommended Action** No action is required.

**Message** SECURITYD-2-FIPS\_POWERUP\_SELF\_TESTS\_STATUS: FIPS power-up self-test status: [chars]

**Explanation** Status FIPS self-test [chars]

**Recommended Action** No action is required.



**Message** SECURITYD-2-FIPS\_POWERUP\_SELF\_TEST\_STATUS: FIPS [chars] power-up self-test status: [chars]

**Explanation** Status of FIPS [chars] power-up self-test [chars]

**Recommended Action** No action is required.

**Message** SECURITYD-2-FIPS\_SELF\_TEST\_FAILED: FIPS self-test failure: [chars]: [chars]

**Explanation** FIPS self-test failed [chars] for service [chars]

**Recommended Action** No action is required.

**Message** SECURITYD-2-PROGRAM\_EXIT: security/accounting daemon exiting: [chars]

**Explanation** Security/accounting daemon is exiting.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## SECURITYD-3

**Message** SECURITYD-3-SECURITY\_ERR\_MSG: [chars]

**Explanation** Security Message

**Recommended Action** No action is required.

**Message** SECURITYD-3-NVRAMFAILURE: nvram failure

**Explanation** Nvram can not be read/written to. Hence accounting log can not be stored there

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## SECURITYD-6

**Message** SECURITYD-6-ACCOUNTING\_MESSAGE: [chars]

**Explanation** Accounting Message

**Recommended Action** No action is required.

**Message** SECURITYD-6-CHANGE\_PASSWD: changing passwd for [chars]

**Explanation** Changing passwd for [chars]

**Recommended Action** No action is required.

**Message** SECURITYD-6-DELETE\_STALE\_USER\_ACCOUNT: deleting expired user account: [chars]

**Explanation** Deleting expired user account of [chars]

**Recommended Action** No action is required.

**Message** SECURITYD-6-FIPS\_MODE\_SET\_FAILED: Error when setting FIPS mode: [chars]

**Explanation** FIPS mode failed [chars]

**Recommended Action** No action is required.

**Message** SECURITYD-6-FIPS\_MODE\_SET: FIPS mode is [chars] for service [chars]

**Explanation** FIPS mode is changed [chars] [chars]

**Recommended Action** No action is required.

**Message** SECURITYD-6-FIPS\_POST\_INFO\_MSG: [chars]

**Explanation** Fips post Information Message

**Recommended Action** No action is required.

**Message** SECURITYD-6-SECURITY\_INFO\_MSG: [chars]

**Explanation** Security Info Message

**Recommended Action** No action is required.

## SECURITYD-7

**Message** SECURITYD-7-SECURITY\_DBG\_MSG: [chars]

**Explanation** Security Debug Message

**Recommended Action** No action is required.

## SENSOR\_USD Messages

This section contains the SENSOR\_USD messages.

### SENSOR\_USD-2

**Message** SENSOR\_USD-2-SNSM\_SYSLOG\_INIT\_FAILED: Sensor Mgr Initialization failed.  
Component [chars]

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

**Message** SENSOR\_USD-2-SNSM\_SYSLOG\_SHUTDOWN: Sensor Mgr process shutting down:  
[chars]

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

**Message** SENSOR\_USD-2-SNSM\_SYSLOG\_ALLOC\_MEMORY: Sensor Mgr Memory allocation  
failed

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

### SENSOR\_USD-3

**Message** SENSOR\_USD-3-MSG\_SNSM\_SYS\_MEM\_ALOC\_FAILURE: Sensor Mgr Error in allocating  
mem: [dec], Error code = [dec]

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

**Message** SENSOR\_USD-3-SNSM\_API\_CALL\_FAILURE: Sensor Mgr Error in [chars] call  
errno=[dec]

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

**Message** SENSOR\_USD-3-SNSM\_SYSLOG\_BAD\_MTS\_MSG: Sensor Mgr Received bad MTS message: [dec]

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

**Message** SENSOR\_USD-3-SNSM\_SYSLOG\_MTS\_PROCESS\_ERROR: Sensor Mgr Error in processing MTS message: [dec], Error code = [hex]

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

**Message** SENSOR\_USD-3-SNSM\_SYS\_DEQUE\_PENDING\_QUE\_FAILURE: Sensor Mgr Error in Dequing pend Que: %p, Error code = [hex]

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

**Message** SENSOR\_USD-3-SNSM\_SYS\_ENQUE\_PENDING\_QUE\_FAILED: Sensor Mgr Error in queuing to pending queue: %p, Error code = [hex]

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

**Message** SENSOR\_USD-3-SNSM\_SYS\_MTS\_RECV\_FAILURE: Sensor Mgr Error in receiving MTS mesg

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

## SENSOR\_USD-5

**Message** SENSOR\_USD-5-SNSM\_SYSLOG\_STARTING: Sensor Mgr process started

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

## SENSOR\_MGR Messages

This section contains the SENSOR\_MGR messages.

## SENSOR\_MGR-2

**Message** SESSION-MGR-2-DB\_UNLOCK\_FAILED: Failed to unlock the database for session: [chars]

**Explanation** Session-Manager failed to unlock the database for session: [chars]

**Recommended Action** No action is required.

## SENSOR\_MGR-3

**Message** SESSION-MGR-3-ALLOC\_FAILED: Failed in File:[chars] Line:[dec] for type [dec] size [dec]

**Explanation** Session-mgr process could not allocate heap memory in File:[chars], at line:[dec], for memory-type:[dec] of Size:[dec]

**Recommended Action** No action is required.

## SENSOR\_MGR-4

**Message** SESSION-MGR-4-ISSU\_FAILED: [chars]: [hex]

**Explanation** Session manager failed ISSU because of [string] and error: [hex]

**Recommended Action** No action is required.

## SENSOR Messages

This section contains the SENSOR messages.

## SENSOR-0

**Message** SENSOR-0-DC3\_SENSOR\_MSG: [chars]

**Explanation** SENSOR log emergency message

**Recommended Action** No action is required.

## SENSOR-3

**Message** SENSOR-3-DC3\_SENSOR\_MSG1: [chars]

**Explanation** SENSOR log message

**Recommended Action** No action is required.

## SESSION-MGR Messages

This section contains the SESSION-MGR messages.

### SESSION-MGR-2

**Message** SESSION-MGR-2-DB\_UNLOCK\_FAILED: Failed to unlock the database for reason: [chars]

**Explanation** Session-Manager failed to unlock the database for session: [chars]

**Recommended Action** No action is required.

### SESSION-MGR-3

**Message** SESSION-MGR-3-ALLOC\_FAILED: Failed in File:[chars] Line:[dec] for type [dec] size [dec]

**Explanation** Session-mgr process could not allocate heap memory in File:[chars], at line:[dec], for memory-type:[dec] of Size:[dec]

**Recommended Action** No action is required.

### SESSION-MGR-4

**Message** SESSION-MGR-4-ISSU\_FAILED: [chars]:[hex]

**Explanation** Session manager failed ISSU because of: [string] and error: [hex]

**Recommended Action** No action is required.

## SFC Messages

This section contains the SFC messages.

## SFC-3

**Message** SFC-3-ERROR: [chars]

**Explanation** SCSI Flow Client encountered an error

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## SFM Messages

This section contains the SFM messages.

### SFM-2

**Message** SFM-2-NO\_LICENSE\_WARNING: SCSI Flow Manager is shutting down as no license is available.

**Explanation** License required for continued SCSI Flow Manager operation is not available.

**Recommended Action** No action is required.

### SFM-6

**Message** SFM-6-LICENSE\_VALID: A valid license for SCSI Flow Manager has been obtained

**Explanation** A valid license for SCSI Flow Manager has been obtained

**Recommended Action** No action is required.

## SIM Messages

This section contains the SIM messages.

### SIM-2

**Message** SIM-2-IF\_CRITICAL\_FAILURE: (Debug syslog) Critical failure: [chars], [chars]

**Explanation** There was a critical failure in the component.

**Recommended Action** Please follow instructions on the syslog.

**Message** SIM-2-IF\_DOWN\_ERROR\_DISABLED: Interface [chars] is down (Error disabled. Reason: [chars])

**Explanation** The interface encountered an error while configuring it

**Recommended Action** In most cases, you can recover using following commands 'config terminal', 'interface [char]', 'shutdown', 'noshutdown' on the interface or removing and re-inserting the fibre optic cable.'

**Message** SIM-2-IF\_DOWN\_LINK\_FAILURE\_CRIT: Interface [chars] is down (Link failure)

**Explanation** The physical link has gone down

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

**Message** SIM-2-SEQ\_TIMEOUT: Component [chars] timed out on response to opcode [chars] ([chars])

**Explanation** Some component did not respond to a request in stipulated time.

**Recommended Action** None

**Message** SIM-2-SYSLOG\_SIM\_CRITICAL: Critical failure: [chars]

**Explanation** There was a critical failure in the component.

**Recommended Action** Please collect system tech-support

## SIM-3

**Message** SIM-3-IF\_DOWN\_CHANNEL\_ERR\_DISABLED: Interface [chars] is down (Channel error disabled)

**Explanation** This interface belongs to a PortChannel and the PortChannel is error disabled

**Recommended Action** Perform 'shut' and 'noshutdown' on the Port Channel interface that it belongs to

**Message** SIM-3-IF\_ERROR\_VLANS\_REMOVED: VLANs [chars] on Interface [chars] are removed from suspended state.

**Explanation** The VLANs on an interface are being removed from the suspended state

**Recommended Action** No action is required.



**Message** SIM-3-IF\_ERROR\_VLANS\_SUSPENDED: VLANs [chars] on Interface [chars] are being suspended. (Reason: [chars])

**Explanation** The VLANs on an interface are being suspended due to some protocol action

**Recommended Action** No action is required.

**Message** SIM-3-IF\_SFP\_ALARM: Interface [chars], [chars]

**Explanation** There was an alarm on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Message** SIM-3-IF\_SFP\_ERROR: Interface [chars], [chars]

**Explanation** There was an error on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Message** SIM-3-IF\_UNSUPPORTED\_TRANSCEIVER: Transceiver on interface [chars] is not supported

**Explanation** The transceiver for the interface specified in the Message is not a Cisco supported module

**Recommended Action** Replace the module with a compatible transceiver. If the transceiver was purchased from Cisco, please contact Cisco TAC to get the transceiver replaced

**Message** SIM-3-IF\_XCVR\_ALARM: Interface [chars], [chars]

**Explanation** There was an alarm on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Message** SIM-3-IF\_XCVR\_ERROR: Interface [chars], [chars]

**Explanation** There was an error on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

## SIM-4

**Message** SIM-4-IF\_NON\_QUALIFIED\_TRANSCEIVER: Non-qualified transceiver on interface [chars] was detected

**Explanation** The transceiver for the interface specified has not been qualified on this platform for this software release

**Recommended Action** Replace the module with a supported transceiver. Contact Cisco TAC to get platform transceiver qualification details

**Message** SIM-4-IF\_SFP\_WARNING: Interface [chars], [chars]

**Explanation** There was an warning on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Message** SIM-4-IF\_XCVR\_WARNING: Interface [chars], [chars]

**Explanation** There was an warning on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

## SIM-5

**Message** SIM-5-IF\_ADMIN\_UP: Interface [chars] is admin up [chars]

**Explanation** Interface is admin up

**Recommended Action** No action is required.

**Message** SIM-5-IF\_BANDWIDTH\_CHANGE: Interface [chars], bandwidth changed to [chars] Kbit

**Explanation** Bandwidth of the interface (port channel) has changed and this change is updated

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_ADMIN\_DOWN: Interface [chars] is down (Administratively down)

**Explanation** Interface has been configured to be administratively down

**Recommended Action** Perform noshutdown

**Message**

**Message** SIM-5-IF\_DOWN\_CFG\_CHANGE: Interface [chars] is down(Config change)

**Explanation** FCIP interface temporarily down due to reconfiguration

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_CHANNEL\_ADMIN\_DOWN: Interface [chars] is down (Channel admin down)

**Explanation** This interface belongs to a PortChannel and the PortChannel is configured to be administratively down

**Recommended Action** Perform 'noshutdown' on the Port Channel interface that it belongs to

**Message** SIM-5-IF\_DOWN\_CHANNEL\_MEMBERSHIP\_UPDATE\_IN\_PROGRESS: Interface [chars] is down (Channel membership update in progress)

**Explanation** The interface belongs to a PortChannel and a configuration is being attempted on the interface while there is a configuration in progress on the PortChannel

**Recommended Action** Retry the configuration again

**Message** SIM-5-IF\_DOWN\_DOMAIN\_ADDR\_ASSIGN\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to domain id assignment failure)

**Explanation** Isolated due to a failure while assigning a domain

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_DOMAIN\_INVALID\_RCF\_RECEIVED: Interface [chars] is down (Isolation due to invalid fabric reconfiguration)

**Explanation** Invalid RCF received

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_DOMAIN\_MANAGER\_DISABLED: Interface [chars] is down (Isolation due to domain manager disabled)

**Explanation** Isolated due to domain manager being disabled

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_DOMAIN\_MAX\_RETRANSMISSION\_FAILURE: Interface [chars] is down (Isolation due to domain manager other side not responding)

**Explanation** Remote end domain manager not responding

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_DOMAIN\_OTHER\_SIDE\_EPORT\_ISOLATED: Interface [chars] is down (Isolation due to domain other side eport isolated)

**Explanation** Isolating this interface due to the remote end being isolated

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_DOMAIN\_OVERLAP\_ISOLATION: Interface [chars] is down (Isolation due to domain overlap)

**Explanation** Isolated due to domain overlap

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to ELP failure)

**Explanation** ELP failed on the interface

**Recommended Action** Check the output of 'show port internal info' in the 'ELP failure reason' field'

**Message** SIM-5-IF\_DOWN\_EPP\_FAILURE: Interface [chars] is down (Error Disabled - EPP Failure)

**Explanation** Trunk protocol failed

**Recommended Action** 'show port internal event-history msgs' will indicate the trunk protocol exchanges to determine why it failed

**Message** SIM-5-IF\_DOWN\_ESC\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to ESC failure)

**Explanation** ESC failed on the interface

**Recommended Action** Check the output of 'show port internal event-history' to determine the ESC protocol exchanges to determine how it failed

**Message** SIM-5-IF\_DOWN\_ETH\_IF\_DOWN: Interface [chars] is down(Tunnel port src interface down)

**Explanation** Ethernet link to which the FCIP interface is bound is down

**Recommended Action** Ensure that the ethernet cable is connected, the interface is administratively enabled

**Message** SIM-5-IF\_DOWN\_ETH\_LINK\_DOWN: Interface [chars] is down(Tunnel port src interface link down)

**Explanation** Ethernet link to which the FCIP interface is bound is down

**Recommended Action** Ensure that the ethernet cable is connected and the remote end is also active

**Message** SIM-5-IF\_DOWN\_FCOT\_NOT\_PRESENT: Interface [chars] is down (FCOT not present)

**Explanation** The FCOT has been removed

**Recommended Action** Insert an FCOT

**Message** SIM-5-IF\_DOWN\_FCOT\_VENDOR\_NOT\_SUPPORTED: Interface [chars] is down (Error disabled - Fcot vendor not supported)

**Explanation** Fcot inserted is not a supported one

**Recommended Action** Please contact customer support for a list of authorized transceiver vendors

**Message** SIM-5-IF\_DOWN\_HW\_FAILURE: Interface [chars] is down (Hardware Failure)

**Explanation** The modules hardware has failed

**Recommended Action** Collect more information about failed module using command 'show module internal all module'

**Message** SIM-5-IF\_DOWN\_INACTIVE: Interface [chars] is down (Inactive)

**Explanation** The port VSAN has been suspended or deleted

**Recommended Action** Assign a new active port VSAN to the interface

**Message** SIM-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_MODE: Interface [chars] is down (Error disabled - Incompatible admin port mode)

**Explanation** The configured mode is not supported on this interface

**Recommended Action** Perform a 'show port internal info' to determine the list of modes supported on this interface

**Message** SIM-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_RXBBCREDIT: Interface [chars] is down (Error disabled - Incompatible admin port rxbbcredit)

**Explanation** The configured receive B2B credit size is not supported

**Recommended Action** Get the allowed receive B2B credit size from 'show port internal info'

**Message** SIM-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_RXBUFSIZE: Interface [chars] is down (Error disabled - Incompatible admin port rxbufsize)

**Explanation** The configured receive buffer size is not supported

**Recommended Action** Get the allowed receive buffer size from 'show port internal info'

**Message** SIM-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_SPEED: Interface [chars] is down (Error disabled - Incompatible admin port speed)

**Explanation** The configured speed is not supported on this interface

**Recommended Action** Perform a 'show port internal info' to determine the range of speed supported on this interface

**Message** SIM-5-IF\_DOWN\_INITIALIZING: Interface [chars] is down (Initializing)

**Explanation** The interface is in the process of coming up

**Recommended Action** If the interface is stuck in this state for a while, check the output of 'show port internal event-history' to determine what it is waiting for.

**Message** SIM-5-IF\_DOWN\_INTERFACE\_REMOVED: Interface [chars] is down (Interface removed)

**Explanation** Interface removed

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_LINK\_FAILURE: Interface [chars] is down (Link failure)

**Explanation** The physical link has gone down

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

**Message** SIM-5-IF\_DOWN\_LOOPBACK\_DIAG\_FAILURE: Interface [chars] is down (Diag failure)

**Explanation** Diag failed on the interface

**Recommended Action** Collect more information about failed interface using command

**Message** SIM-5-IF\_DOWN\_LOOPBACK\_ISOLATION: Interface [chars] is down (Isolation due to port loopback to same switch)

**Explanation** The interface is looped back to another interface on the same switch

**Recommended Action** Check the connectivity of this interface and ensure that it is connected to another switch

**Message** SIM-5-IF\_DOWN\_MODULE\_REMOVED: Interface [chars] is down (module removed)

**Explanation** Interface is down because the module was removed

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_NONE: Interface [chars] is down ([chars])

**Explanation** Interface is down with a possible reason.

**Recommended Action** Collect more information about port using command 'show port internal info /event-history' to determine why it went down

**Message** SIM-5-IF\_DOWN\_NON\_PARTICIPATING: Interface [chars] is down (Non participating)

**Explanation** The loop port has been put into non participating mode

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_OFFLINE: Interface [chars] is down (Offline)

**Explanation** The interface has been placed into the offline state

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_PARENT\_ADMIN\_DOWN: Interface [chars] is down (Parent interface down)

**Explanation** Parent interface is down

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_PEER\_CLOSE: Interface [chars] is down(TCP conn. closed by peer)

**Explanation** The FCIP peer connected to this interface closed the TCP connection

**Recommended Action** This command will provide the peer IP address of this FCIP interface: show interface. Check to see why the peer closed the TCP connection

**Message** SIM-5-IF\_DOWN\_PEER\_RESET: Interface [chars] is down(TCP conn. reset by peer)

**Explanation** TCP connection to the FCIP peer got reset

**Recommended Action** The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Check to see why the peer reset the TCP connection

**Message** SIM-5-IF\_DOWN\_PORT\_CHANNEL\_MEMBERS\_DOWN: Interface [chars] is down (No operational members)

**Explanation** This is a PortChannel interface and all its members are operationally down

**Recommended Action** Enable at least one of the PortChannel members

**Message** SIM-5-IF\_DOWN\_PORT\_VSAN\_MISMATCH\_ISOLATION: Interface [chars] is down (Isolation due to port vsan mismatch)

**Explanation** Isolated due to a mismatch in the configured port VSAN of the local and remote ends

**Recommended Action** Configure the port VSAN of the local and remote interfaces to be the same and perform a shutdown' and a 'noshutdown'

**Message** SIM-5-IF\_DOWN\_RCF\_IN\_PROGRESS: Interface [chars] is down (RCF in progress)

**Explanation** There is an RCF in progress

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_SOFTWARE\_FAILURE: Interface [chars] is down (Port software failure)

**Explanation** The software servicing the data path on the port has failed

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_SRC\_MOD\_NOT\_ONLINE: Interface [chars] is down(Tunnel source module not online)

**Explanation** Module that has the tunnel source port of this FCIP interface is not fully online

**Recommended Action** The module that has the tunnel src port is coming online. Please use show mod to find module status



**Message** SIM-5-IF\_DOWN\_SRC\_PORT\_NOT\_BOUND: Interface [chars] is down (Tunnel port src interface unbound)

**Explanation** Tunnel port source interface unbound

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_SRC\_PORT\_REMOVED: Interface [chars] is down (Tunnel src port removed)

**Explanation** Tunnel source port of this FCIP interface has been removed

**Recommended Action** The src interface with ip address that matches the ip address of the bound entity is removed. This happens normally due to the module on which the src interface exists is removed

**Message** SIM-5-IF\_DOWN\_SUSPENDED\_BY\_MODE: Interface [chars] is down (Suspended due to incompatible mode)

**Explanation** This interface belongs to a PortChannel and operational mode of the interface is different from that of the PortChannel

**Recommended Action** Change the mode and the trunking mode of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

**Message** SIM-5-IF\_DOWN\_SUSPENDED\_BY\_SPEED: Interface [chars] is down (Suspended due to incompatible speed)

**Explanation** This interface belongs to a PortChannel and operational speed of the interface is different from that of the PortChannel

**Recommended Action** Change the speed of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

**Message** SIM-5-IF\_DOWN\_SUSPENDED\_BY\_WWN: Interface [chars] is down (Suspended due to incompatible remote switch WWN)

**Explanation** This interface belongs to a PortChannel and remote switch WWN of the interface is different from that of the PortChannel

**Recommended Action** Ensure that this interface is connected to the same remote switch as all the other interfaces in the PortChannel

**Message** SIM-5-IF\_DOWN\_SUSPENDED: Interface [chars] is down (Suspended)

**Explanation** This interface belongs to a PortChannel and has been suspended due to an error while bringing it up

**Recommended Action** Perform a 'shutdown' and a 'noshutdown'. If this happens again obtain output of 'show port internal info/event-history' on the interface

**Message** SIM-5-IF\_DOWN\_TCP\_KEEP\_ALIVE\_EXPIRED: Interface [chars] is down(TCP conn. closed - Keep alive expired)

**Explanation** TCP session to the FCIP peer got closed due to loss of TCP keep alive

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** SIM-5-IF\_DOWN\_TCP\_MAX\_RETRANSMIT: Interface [chars] is down(TCP conn. closed - retransmit failure)

**Explanation** Interface is down due to maximum retransmission failure

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ipaddr

**Message** SIM-5-IF\_DOWN\_TCP\_PERSIST\_TIMER\_EXPIRED: Interface [chars] is down(TCP conn. closed - Persist timer expired)

**Explanation** TCP session to the FCIP peer closed because TCP persist timer expired

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** SIM-5-IF\_DOWN\_UPGRADE\_IN\_PROGRESS: Interface [chars] is down (Linecard upgrade in progress)

**Explanation** Upgrade of the linecard software is in progress

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_VRF\_UNUSABLE: Interface [chars] is down (Vrf down)

**Explanation** The VRF for which this interface is a member is removed

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_VSAN\_MISMATCH\_ISOLATION: Interface [chars] is down (Isolation due to vsan mismatch)

**Explanation** This is a trunking interface and the VSANs configured do not match with the VSANs configured on the remote end

**Recommended Action** Check the VSANs configured on the local end with the remote end

**Message** SIM-5-IF\_DOWN\_ZONE\_MERGE\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to zone merge failure)

**Explanation** Isolated due to a failure during zone merge

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_ZONE\_REMOTE\_NO\_RESP\_ISOLATION: Interface [chars] is down (Isolation due to remote zone server not responding)

**Explanation** Isolated due to remote zone server not responding

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DUPLEX: Interface [chars], operational duplex mode changed to [chars]

**Explanation** Operational duplex mode has changed when link came up

**Recommended Action** No action is required.

**Message** SIM-5-IF\_ERRDIS\_RECOVERY: Interface [chars] is being recovered from error disabled state (Last Reason:[chars])

**Explanation** Interface is being recovered from error disabled state

**Recommended Action** No action is required.

**Message** SIM-5-IF\_HARDWARE: Interface [chars], hardware type changed to [chars]

**Explanation** There was a change in the hardware characteristic of an interface, such as a transceiver module plugged in or removed

**Recommended Action** No action is required.

**Message** SIM-5-IF\_L2MP\_MODE: Interface [chars], l2mp-mode changed to [chars]

**Explanation** The l2mp-mode on the port has changed

**Recommended Action** No action is required.

**Message** SIM-5-IF\_RX\_FLOW\_CONTROL: Interface [chars], operational Receive Flow Control state changed to [chars]

**Explanation** Operational receive flow control has changed when link came up

**Recommended Action** No action is required.

**Message** SIM-5-IF\_TRUNK\_DOWN: Interface [chars], vlan [chars] down

**Explanation** Interface [chars] is trunking, VLANs [chars] are down

**Recommended Action** The following commands will help determine why this VSAN is down on this interface: show interface, show port internal info interface VSAN, show port internal event-history interface vsan

**Message** SIM-5-IF\_TRUNK\_UP: Interface [chars], vlan [chars] up

**Explanation** Interface [chars] is trunking, VLANs [chars] are up

**Recommended Action** No action is required.

**Message** SIM-5-IF\_TX\_FLOW\_CONTROL: Interface [chars], operational Transmit Flow Control state changed to [chars]

**Explanation** Operational transmit flow control has changed when link came up

**Recommended Action** No action is required.

**Message** SIM-5-IF\_UP: Interface [chars] is up [chars]

**Explanation** Interface is up in mode specified, if applicable

**Recommended Action** No action is required.

**Message** SIM-5-SPEED: Interface [chars], operational speed changed to [chars]

**Explanation** Operational speed has changed when link came up

**Recommended Action** No action is required.

**Message** SIM-5-STORM\_CONTROL\_ABOVE\_THRESHOLD: Traffic in port [chars] exceeds the configured threshold [chars]

**Explanation** Traffic on specified port is beyond the configured storm-control threshold, and the excess traffic is being dropped

**Recommended Action** Identify source of traffic storm

**Message** SIM-5-STORM\_CONTROL\_BELOW\_THRESHOLD: Traffic in port [chars] has fallen below the configured threshold [chars]

**Explanation** Traffic on specified port has returned to within configured storm-control threshold

**Recommended Action** No action is required.

## SKSD Messages

This section contains the SKSD messages.

### SKSD-2

**Message** SKSD-2-SKSD\_CRYPT\_SERVICE\_CRIT: Encryption-Service: [chars]

**Explanation** Encryption Service critical errors.

**Recommended Action** No action is required.

### SKSD-3

**Message** SKSD-3-SKSD\_CRYPT\_SERVICE\_ERR: Encryption-Service: [chars]

**Explanation** Encryption Service errors.

**Recommended Action** No action is required.

**Message** SKSD-3-SKSD\_FIPS\_MODE\_INIT\_ERROR: Could not initialize FIPS mode: [chars]

**Explanation** FIPS mode initialization error

**Recommended Action** No action is required.

**Message** SKSD-3-SKSD\_FIPS\_MODE\_SELFTEST: FIPS POST for [chars] [chars]

**Explanation** FIPS Selftest Result

**Recommended Action** No action is required.

### SKSD-4

**Message** SKSD-4-SKSD\_CRYPT\_SERVICE\_WARN: Encryption-Service: [chars]

**Explanation** Encryption Service warnings.

**Recommended Action** No action is required.

## SKSD-5

**Message** SKSD-5-SKSD\_CRYPT\_SERVICE\_NOTICE: Encryption Service: [chars]

**Explanation** Encryption Service updates.

**Recommended Action** No action is required.

**Message** SKSD-5-SKSD\_EXIT: Keystore Application Exiting: [chars]

**Explanation** Keystore Program exiting

**Recommended Action** No action is required.

**Message** SKSD-5-SKSD\_FUNC: Keystore Operation: [chars]

**Explanation** Keystore Event upon a receiving a request

**Recommended Action** No action is required.

**Message** SKSD-5-SKSD\_HW\_INIT: Hardware Keystore Init done

**Explanation** Hardware Keystore Init completed

**Recommended Action** No action is required.

**Message** SKSD-5-SKSD\_HW\_RESET: Hardware Reset: [chars]

**Explanation** Hardware Reset

**Recommended Action** No action is required.

**Message** SKSD-5-SKSD\_HW: Smartcard: [chars]

**Explanation** Smartcard Presence

**Recommended Action** No action is required.

**Message** SKSD-5-SKSD\_INIT: Keystore Application Init: [chars]

**Explanation** Keystore Program Init

**Recommended Action** No action is required.

**Message** SKSD-5-SKSD\_KEY\_ADD: Key added

**Explanation** Key added to keystore

**Recommended Action** No action is required.

**Message** SKSD-5-SKSD\_KEY\_DELETE: Key deleted

**Explanation** Key deleted from keystore

**Recommended Action** No action is required.

**Message** SKSD-5-SKSD\_MKEY\_INSTALL: Installing a Master Key on the smartcard(s)

**Explanation** Installing a new Master Key on the smartcard(s)

**Recommended Action** No action is required.

**Message** SKSD-5-SKSD\_SUP\_STATE: Supervisor card new state: [dec]

**Explanation** Supervisor state change

**Recommended Action** No action is required.

**Message** SKSD-5-SKSD\_SW\_INIT: Software Keystore Init done

**Explanation** Software Keystore Init completed

**Recommended Action** No action is required.

## SKSD-6

**Message** SKSD-6-SKSD\_CRYPT\_SERVICE\_INFO: Encryption Service: [chars]

**Explanation** Encryption Service informational updates.

**Recommended Action** No action is required.

## SKT\_USD Messages

This section contains the SKT\_USD messages.

## SKT\_USD-2

**Message** SKT\_USD-2-SKT\_RF\_CRC\_ERR: [chars]

**Explanation** Skytrain received packet(s) from fabric with CRC error

**Recommended Action** No action is required.

## SKT\_USD-6

**Message** SKT\_USD-6-SKT\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## SKYLINE\_APP Messages

This section contains the SKYLINE\_APP messages.

### SKYLINE\_APP-SLOT#-2

**Message** SKYLINE\_APP-SLOT#-2-SKYLINE\_APP\_EXITED: Skyline driver application exited (syserr = [dec], errno = [dec])

**Explanation** Skyline driver application exited

**Recommended Action** No action is required.

## SME\_CPP Messages

This section contains the SME\_CPP messages.

### SME\_CPP-2

**Message** SME\_CPP-2-IT\_NEXUS\_MAX\_INTERFACE\_LIMIT\_REACHED: [chars] cannot be bound as the interfaces reached the maximum IT Nexus limit

**Explanation** IT Load Balancing failed

**Recommended Action** No action is required.



**Message** SME\_CPP-2-LOG\_ERR\_SME\_CTRL\_LUN\_PATH\_MISCONFIG: Control LUN [chars] behind Host PWWN [chars] Tgt PWWN [chars] LUN Id [chars] has some lun paths that are not configured.

**Explanation** A single lun with multiple paths has some non configured paths. Please configure all lun paths.

**Recommended Action** No action is required.

**Message** SME\_CPP-2-LOG\_ERR\_SME\_DIFF\_LUN\_MISCONFIG: Lun [chars] and [chars] behind Host PWWN [chars] Tgt PWWN [chars] LUN Id [chars] configured as one device.

**Explanation** Two different luns configured as one device. Please fix configuration.

**Recommended Action** No action is required.

**Message** SME\_CPP-2-LOG\_ERR\_SME\_LICENSE\_EXPIRED: SME License expired - Disabling [chars]

**Explanation** SAN Media Encryption License expired/not present - Disabling SME

**Recommended Action** No action is required.

**Message** SME\_CPP-2-LOG\_ERR\_SME\_TAPE\_LUN\_PATH\_MISCONFIG: Tape Drive [chars] behind Host PWWN [chars] Tgt PWWN [chars] LUN Id [chars] has some lun paths that are not configured.

**Explanation** A single lun with multiple paths has some non configured paths. Please configure all lun paths.

**Recommended Action** No action is required.

**Message** SME\_CPP-2-LOG\_ERR\_SME\_TOM\_ABORTED: SME Cluster [chars] Message Id: [hex] aborted

**Explanation** An SME Cluster Message was aborted by the Cluster process

**Recommended Action** No action is required.

**Message** SME\_CPP-2-LOG\_WARN\_SME\_LICENSE\_GRACE: No SME License. Feature will be shut down after a grace period of approximately [dec] days

**Explanation** SAN Media Encryption feature on grace period. Please acquire actual license.

**Recommended Action** No action is required.

**Message** SME\_CPP-2-SME\_INIT\_FAILED: Initialization failed for SME: [chars], Reason: [hex]

**Explanation** Initialization failed for SME

**Recommended Action** No action is required.

## SME\_CPP-3

**Message** SME\_CPP-3-LOG\_ERR\_SME\_DBSYBC\_REJECT: SME Database Synchronization [chars] for a New Cluster (Id 0x%llx) Rejected; Reason - [chars].

**Explanation** A switch can be part of only one SME cluster

**Recommended Action** No action is required.

**Message** ME\_CPP-3-LOG\_ERR\_SME\_DISK\_DP\_CNODE\_NOT\_FOUND: crypto disk data preparation for (DG: [chars] CD NAME: [chars]) could not find coned ([chars] if\_index: [hex])

**Explanation** The data preparation failed since crypto node assigned for data preparation is not found

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_ERR\_SME\_DISK\_DP\_CNODE\_OVERLOAD: crypto disk data preparation for (DG: [chars] CD NAME: [chars]) could not be assigned a crypto node ([chars] if\_index: [hex]) due to max limit. current active sessions: [dec]

**Explanation** The data preparation failed since crypto node is already handling maximum number of data preparation sessions

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_ERR\_SME\_DISK\_KMC\_NAME\_MISMATCH: The KMC DG: [chars] and CD NAME: [chars] corresponding to VID: [chars] PID: [chars] DID: [chars] doesn't match cdisk DG: [chars] and CD NAME: [chars]

**Explanation** The discovered vendor id information not match the crypto disk

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_ERR\_SME\_DISK\_KMC\_VPD\_FIXED: The VPD of cdisk DG: [chars] CD NAME: [chars] has been changed to VPD in KMC VID: [chars] PID: [chars] DID: [chars] and old VPD of disk has been removed

**Explanation** The vendor id information has been modified to be consistent with KMC

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_ERR\_SME\_DISK\_KMC\_VPD\_MISMATCH: The VID: [chars] PID: [chars] DID: [chars] of cdisk DG: [chars] CD NAME: [chars] does not match VPD in KMC VPD: [chars] PID: [chars] DID: [chars]

**Explanation** The discovered vendor id information not match the crypto disk

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_ERR\_SME\_DISK\_LUN\_PATH\_AUTH\_FAIL1: ITL HPWWN: [chars] TPWWN: [chars] LUN Id: [chars] VPD mismatch disk. Disk VPD VID: [chars] PID: [chars] DID: [chars] ITL VID: [chars] PID: [chars] DID: [chars]

**Explanation** The given path does not belong to the configured disk

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_ERR\_SME\_DISK\_LUN\_PATH\_AUTH\_FAIL2: ITL HPWWN: [chars] TPWWN: [chars] LUN Id: [chars] VID: [chars] PID: [chars] DID: [chars] belongs to a different cdisk DG: [chars] CD NAME: [chars]

**Explanation** The given path does not belong to the configured disk

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_ERR\_SME\_DISK\_LUN\_PATH\_AUTH\_FAIL3: CFG ITL HPWWN: [chars] TPWWN: [chars] LUN Id: [chars] VID: [chars] PID: [chars] DID: [chars] doesn't belong to DG: [chars] CD NAME: [chars] whose VID: [chars] PID: [chars] DID: [chars]

**Explanation** The given path does not belong to the disk

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_ERR\_SME\_DISK\_LUN\_PATH\_AUTH\_FAIL4: CFG ITL HPWWN: [chars] TPWWN: [chars] LUN Id: [chars] of DG: [chars] CD: [chars] has VID: [chars] PID: [chars] DID: [chars] belonging to DG: [chars] CD NAME: [chars]

**Explanation** The given path does not belong to the disk

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_ERR\_SME\_INTF\_MISMATCH\_CLUSTER\_PARAMS: SME interface [chars] part of cluster [chars] with ID [chars] and security mode [dec], but the DPP has state from a previous instance of a cluster [chars] with ID [chars] and security mode [dec].

**Explanation** DPP has persistent state about a previous cluster membership incarnation, but the interface is part of a different cluster.

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_ERR\_SME\_INTF\_MISMATCH\_CRYPTONODE\_CERTIFICATE2: but the DPP has a different certificate (len [dec] fingerprint [chars]).

**Explanation** DPP has persistent state about a previous cluster membership with a different crypto node identity.

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_ERR\_SME\_INTF\_MISMATCH\_CRYPTONODE\_CERTIFICATE: SME interface [chars] part of cluster [chars] with ID [chars] as a crypto node [chars] with certificate (len [dec] fingerprint [chars]).

**Explanation** DPP has persistent state about a previous cluster membership with a different crypto node identity.

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_ERR\_SME\_INTF\_MISMATCH\_CRYPTONODE\_PARAMS: SME interface [chars] part of cluster [chars] with ID [chars] as a crypto node [chars], but the DPP is identified as [chars].

**Explanation** DPP has persistent state about a previous cluster membership on a different switch or module.

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_ERR\_SME\_IT\_NEX\_USED\_FOR\_DP: IT CL: [chars] H: [chars] T: [chars] VSAN: [dec] has PATH lunit: [chars] for disk (dg: [chars] cd: [chars]) so rediscover not issued

**Explanation** The IT nexus is currently in use by data preparation so rediscover not permitted since it disrupts data preparation. Please stop data preparation first

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_SME\_CDISK\_DP\_FAILED: SME cdisk ([chars]) data preparation failed ([chars]), disk-group ([chars]), cluster (name [chars], id %llx)

**Explanation** SME cdisk data preparation failed

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_SME\_DISK\_ASL\_FAILED: [chars]

**Explanation** SME KMC disk asl token generation failed for the given device discovery info

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_SME\_KEY\_CREATE\_FAILED: Key creation ([chars]) failed with error ([chars]), SME cluster (name [chars], id %llx)

**Explanation** SME key creation failed

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_SME\_KMC\_DELETE\_ALL\_KEYS\_FAILED: Delete all keys in cluster failed to KMC server failed with error ([chars]), SME cluster (name [chars], id %llx)

**Explanation** SME KMC delete keys failed

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_SME\_KMC\_DELETE\_KEYS\_FAILED: Delete keys for [chars] failed to KMC server failed with error ([chars]), SME cluster (name [chars], id %llx)

**Explanation** SME KMC delete keys failed

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_SME\_KMC\_KEEPAALIVE\_FAILED: Keepalive to KMC server failed with error ([chars]), SME cluster (name [chars], id %llx)

**Explanation** SME KMC Keepalive failed

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_SME\_KMC\_KEY\_ENTITY\_LOOKUP\_FAILED: Key ([chars]) lookup from KMC server failed with error ([chars]), SME cluster (name [chars], id %llx)

**Explanation** SME KMC key lookup failed

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_SME\_KMC\_KEY\_LOOKUP\_FAILED: Key ([chars]) lookup from KMC server failed with error ([chars]), SME cluster (name [chars], id %llx)

**Explanation** SME KMC key lookup failed

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_SME\_KMC\_KEY\_UPDATE\_FAILED: Key updates ([chars]) to KMC server failed with error ([chars]), SME cluster (name [chars], id %llx)

**Explanation** SME KMC key updates failed

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_SME\_KMC\_MODIFY\_DISK\_STATUS\_FAILED: Key ([chars]) update disk status in KMC server failed with error ([chars]), SME cluster (name [chars], id %llx)

**Explanation** SME KMC disk status update failed

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_SME\_REPLACE\_SMARTCARD\_ABORT: Replace smartcard process (type [chars]) aborted [chars] with reason ([chars]) in SME cluster (name [chars], id %llx)

**Explanation** SME KMC connection up

**Recommended Action** No action is required.

**Message** SME\_CPP-3-SME\_FIPS\_MODE\_ERROR: SME FIPS error: [chars]

**Explanation** SME module FIPS mode error

**Recommended Action** No action is required.

**Message** SME\_CPP-3-SME\_MAX\_CLUSTERS\_LIMIT\_EXCEEDED: SME maximum clusters limit of [dec] exceeded

**Explanation** The maximum SME clusters limit exceeded

**Recommended Action** No action is required.

## SME\_CPP-5

**Message** SME\_CPP-5-IT\_NEXUS\_OPTIMUM\_INTERFACE\_LIMIT\_REACHED: Interface [chars] exceeded the optimum IT Nexus limit

**Explanation** Interface Flow Limit

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_ERR\_SME\_INTF\_MISMATCH\_NOT\_PART\_OF\_ANY\_CLUSTER: SME interface [chars] not part of any cluster, but the DPP has state from a previous instance of a cluster [chars] with ID [chars].

**Explanation** DPP has persistent state about a previous cluster membership incarnation, but the interface is not part of any cluster.

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_ERR\_SME\_INTF\_MISMATCH\_NOT\_PROVISIONED: SME is not provisioned on slot [dec], but the DPP has state from a previous instance as a crypto node [chars] of a cluster [chars] with ID [chars].

**Explanation** DPP has persistent state about a previous cluster membership incarnation, but the switch has not provisioned the interface for SME.

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_CDISK\_DP\_SUCCESS: SME cdisk ([chars]) data preparation succeeded, disk-group ([chars]), cluster (name [chars], id %llx)

**Explanation** SME cdisk data preparation succeeded

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_CLUSTER\_INTF\_ADDED: SME interface now part of cluster [chars] with ID [chars] as a crypto node [chars] and certificate (len [dec] fingerprint [chars]).

**Explanation** Interface added to cluster successfully

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_CLUSTER\_INTF\_REMOVED: SME interface now removed from cluster [chars] with ID [chars] as a crypto node [chars] and certificate (len [dec] fingerprint [chars]).

**Explanation** Interface removed from cluster successfully

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_INTERFACE\_DOWN: SME Interface ([chars]) DOWN

**Explanation** SAN Interface was brought down

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_INTERFACE\_UP: SME Interface ([chars]) is UP

**Explanation** SAN Interface was brought up

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_IT\_NEXUS\_FAILURE: [chars]. [chars] bind failure. Reason: [chars]: [hex]

**Explanation** SME IT Nexus bind failed

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_KEY\_CREATE\_SUCCESS: Key created ([chars]) successfully in SME cluster (name [chars], id %llx)

**Explanation** SME key creation succeeded

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_KMC\_CONNECTION\_DOWN: Connection to KMC server [chars] is down with reason ([chars]) from local switch in SME cluster (name [chars], id %llx)

**Explanation** SME KMC connection down

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_KMC\_CONNECTION\_INIT\_FAIL: Connection initialization to KMC server [chars] from local switch in SME cluster (name [chars], id %llx) failed with error ([chars])

**Explanation** SME KMC connection initialization failed.

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_KMC\_CONNECTION\_INIT\_PASS: Connection initialization to KMC server [chars] from local switch in SME cluster (name [chars], id %llx) succeeded

**Explanation** SME KMC connection initialization succeeded.

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_KMC\_CONNECTION\_UP: Connection to KMC server [chars] is up from local switch in SME cluster (name [chars], id %llx)

**Explanation** SME KMC connection up.

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_KMC\_DELETE\_ALL\_KEYS\_SUCCESS: Delete all keys in cluster to KMC server succeeded, SME cluster (name [chars], id %llx)

**Explanation** SME KMC delete keys succeeded

**Recommended Action** No action is required.



**Message** SME\_CPP-5-LOG\_SME\_KMC\_DELETE\_KEYS\_SUCCESS: Delete keys for [chars] to KMC server succeeded, SME cluster (name [chars], id %llx)

**Explanation** SME KMC delete keys succeeded

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_KMC\_KEY\_ENTITY\_LOOKUP\_NOKEY: Key ([chars]) lookup from KMC server failed with error ([chars]), SME cluster (name [chars], id %llx)

**Explanation** SME KMC key lookup resulted in no key

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_KMC\_KEY\_ENTITY\_LOOKUP\_SUCCESS: Key ([chars]) lookup from KMC server succeeded, SME cluster (name [chars], id %llx)

**Explanation** SME KMC key lookup succeeded

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_KMC\_KEY\_LOOKUP\_SUCCESS: Key ([chars]) lookup from KMC server succeeded, SME cluster (name [chars], id %llx)

**Explanation** SME KMC key lookup succeeded

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_KMC\_KEY\_UPDATE\_SUCCESS: Key updates ([chars]) to KMC server succeeded, SME cluster (name [chars], id %llx)

**Explanation** SME KMC key updates succeeded

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_KMC\_MODIFY\_DISK\_STATUS\_SUCCESS: Key ([chars]) update disk status in KMC server succeeded, SME cluster (name [chars], id %llx)

**Explanation** SME KMC disk status update succeeded

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_MASTER\_KEY\_REKEYED: Master Key rekeyed successfully in SME cluster (name [chars], id %llx)

**Explanation** SME Master Key rekeyed

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_REPLACE\_SMARTCARD\_COMMIT: Replace smartcard process (type [chars]) committed [chars] in SME cluster (name [chars], id %llx)

**Explanation** SME KMC connection up

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_REPLACE\_SMARTCARD\_START: Replace smartcard process (type [chars]) initiated [chars] in SME cluster (name [chars], id %llx)

**Explanation** SME KMC connection up

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_TAPE\_VOLUME\_GROUP\_REKEYED: Tape volume group ([chars]) rekeyed successfully in SME cluster (name [chars], id %llx)

**Explanation** SME Master Key rekeyed

**Recommended Action** No action is required.

**Message** SME\_CPP-5-SME\_DISABLED: SME Disabled

**Explanation** SME Service Disabled

**Recommended Action** No action is required.

**Message** SME\_CPP-5-SME\_DISK\_DP\_WAIT\_KMC: crypto disk data preparation (DG: [chars] CD NAME: [chars]) is waiting KMC validation of VPD

**Explanation** The data preparation is waiting for validation of VPD with KMC

**Recommended Action** No action is required.

**Message** SME\_CPP-5-SME\_DISK\_DP\_WAIT\_PATH\_ADD: crypto disk data preparation (DG: [chars] CD NAME: [chars]) is waiting paths to be added

**Explanation** The data preparation is waiting for paths to be added to the crypto disk

**Recommended Action** No action is required.

**Message** SME\_CPP-5-SME\_DISK\_DP\_WAIT\_PATH\_CFG: crypto disk data preparation (DG: [chars] CD NAME: [chars]) is waiting for the path (fabric: [chars] hwwn: 0x%Lx twwn: 0x%Lx vsan: [dec] lun\_id: [chars]) to be added

**Explanation** The data preparation is waiting for discovered path to be added

**Recommended Action** No action is required.

**Message** SME\_CPP-5-SME\_DISK\_DP\_WAIT\_PATH\_DISC: (DG: [chars] CD NAME: [chars]) is waiting for configured path (fabric: [chars] hwwn: 0x%Lx twwn: 0x%Lx vsan: [dec] lun\_id: [chars]) to be discovered

**Explanation** The data preparation is waiting for configured path to be discovered

**Recommended Action** No action is required.

**Message** SME\_CPP-5-SME\_ENABLED: SME Enabled

**Explanation** SME Service enabled

**Recommended Action** No action is required.

## SME\_CPP-SLOT#-2

**Message** SME\_CPP-SLOT#-2-LOG\_ERR\_SME\_DEVICE\_MISCONFIG: Different configured Devices under same physical LUN - Old Cluster Name:[chars] New Cluster Name:[chars] Old Group Name:[chars] New Group Name:[chars] Old Device Name:[chars] New Device Name:[chars]

**Explanation** Different configured devices under same physical LUN

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-2-LOG\_ERR\_SME\_ITL\_MISCONFIG: Different physical LUNs under same Tape Device - Device Name:[chars] Host PWWN:[chars] Tgt PWWN:[chars] LUN Id:[chars] Serial Num:[chars] Serial Num:[chars]

**Explanation** Different physical LUNs under same Tape Device

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-2-LOG\_ERR\_SME\_LUN\_MISCONFIG: Different physical LUNs under same ITL - Old Serial Num:[chars] New Serial Num:[chars]

**Explanation** Different physical LUNs under same ITL

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-2-LOG\_ERR\_SME\_TAPE\_BYPASS\_ENC: Bypassing encryption for partly written tape - Cluster:[chars] Tape Device:[chars] Serial Num:[chars]

**Explanation** This tape is currently not being encrypted

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-2-LOG\_ERR\_SME\_TAPE\_CTH\_FAIL: Bypassing encryption for current tape on failed CTH verification - Cluster:[chars] Tape Device:[chars] Serial Num:[chars]

**Explanation** This tape is currently not being encrypted because CTH verification has failed in DPP

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-2-LOG\_ERR\_SME\_TAPE\_KEY\_ERR: Getting tape keys from SUP failed - Cluster:[chars] Tape Device:[chars] Serial Num:[chars]

**Explanation** There was a failure retrieving keys from SUP for this tape

**Recommended Action** No action is required.

## SME\_CPP-SLOT#-3

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISC\_TIMEOUT: Module:[dec] Host-Target:[chars]

**Explanation** Discovery on this IT Nexus is taking too long, please check status

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_CAP\_CHANGED: capacity changed for lun VID: [chars] PID: [chars] DID: [chars] previous max\_lba: 0x%Lx blk\_sz: [dec] discovered max\_lba: [hex] blk\_sz: [dec] on ITL Host PWWN:[chars] Tgt PWWN:[chars] LUN Id:0x%Lx

**Explanation** The capacity of the disk seems to have changed

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_CPP\_ITL\_MISCONFIG: Disk ITL Host PWWN:[chars] Tgt PWWN:[chars] LUN Id:0x%Lx has been misconfigured under a non disk lun

**Explanation** Disk ITL has been misconfigured under non disk lun

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_CPP\_IT\_MISCONFIG: Tape device has been misconfigured under disk IT nexus [chars] hence skipping discovery of ITLs under this IT nexus

**Explanation** Remove misconfigured disk path under the tape device

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_CRYPT\_UPDATE\_ITL\_AUTH\_FAIL: ITL Host PWWN: [chars] Tgt PWWN: [chars] LUN Id: 0x%Lx with discovered VID: [chars] PID: [chars] DID: [chars] marked by SUP as failed authentication

**Explanation** SUP detected authentication failure on path

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_ENTITY\_INVALID: disk entity index invalid from KMC (cluster: [chars] DG: [chars] CD NAME: [chars] VID: [chars] PID: [chars] DID: [chars])

**Explanation** KMC returned an invalid disk entity index

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_INVALID\_CAPACITY: Disk capacity not supported. IT nexus: [chars] LUN Id: 0x%Lx VID: [chars] PID: [chars] max\_lba= [hex] max\_lba64= 0x%Lx

**Explanation** The reported disk capacity is zero

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_ITL\_CREATE\_VPD\_MISMATCH: ITL Host PWWN: [chars] Tgt PWWN: [chars] LUN Id: 0x%Lx VID: [chars] PID: [chars] DID: [chars] doesnt match cdisk DG: [chars] CD NAME: [chars] VID: [chars] PID: [chars] DID: [chars]

**Explanation** The configured path does not belong to this disk

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_ITL\_MISCONFIG: ITL Host PWWN: [chars] Tgt PWWN: [chars] LUN Id: 0x%Lx part of DG: [chars] CD NAME: [chars] is misconfigured as the ITL VPD VID: [chars] PID: [chars] DID: [chars] belongs to a different cdisk DG: [chars] CD NAME: [chars]

**Explanation** The configured path does not belong to this disk

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_KEY\_INVALID: (CLUSTER: [chars] DG: [chars] CD NAME: [chars] keytype: [dec] keyguid: [chars] invalid

**Explanation** KMC returned an invalid disk key

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_KMC\_VERIFY\_PENDING: cluster: [chars] DG: [chars] CD NAME: [chars] VID: [chars] PID: [chars] DID: [chars]

**Explanation** Vpd of the discovered path pending verification with KMC

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_MISCONFIG: A disk device misconfiguration under disk config - Device Name:[chars] Host PWWN:[chars] Tgt PWWN:[chars] LUN Id:%Lx

**Explanation** A disk device misconfigured under disk config

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_PHYENCRYPT\_FAILED: CL: [chars] DG: [chars] CD: [chars] VID: [chars] PID: [chars] DID: [chars] ISAPI\_PhyCopyEncrypt() failed isapi status: [dec] copy status: [hex] scsi status: [hex] data preparation failed

**Explanation** ISAPI\_PhyCopyEncrypt() failed causing data preparation to fail

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_VPD\_CHANGED: VID, PID and DID changed on ITL Host PWWN:[chars] Tgt PWWN:[chars] LUN Id:0x%Lx previous VID: [chars] PID : [chars] DID: [chars] current VID: [chars] PID: [chars] DID: [chars]

**Explanation** The VPD of the disk seems to have changed

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_VPD\_MISMATCH: ITL Host PWWN:[chars] Tgt PWWN:[chars] LUN Id:0x%Lx failed authentication DISK VPD(VID id: [chars] PID: [chars] DID: [chars]) ITL(VID: [chars] PID: [chars] DID: [chars])

**Explanation** The configured path does not belong to this disk

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DP\_TEST\_IO\_ERR: IT nexus [chars] lun [chars] isapi [hex] scsi [hex] sense/asc/ascq [hex]/[hex]/[hex]

**Explanation** ITL DP TEST IO failure, please check status

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_ITL\_CPP\_ERR: Module: [dec] Host-Target [chars] LunID: [chars]

**Explanation** ITL failure seen on CPP, please check status

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_IT\_NEXUS\_UNSUPPORTED: IT nexus [chars] has both disks and tapes which is an unsupported configuration

**Explanation** IT nexus has an unsupported mix of tape and disk devices

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_NON\_DISK\_MISCONFIG: A non-disk device misconfigured under disk config - Host PWWN:[chars] Tgt PWWN:[chars] LUN Id:%Lx

**Explanation** A non disk device misconfigured under disk config

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_NON\_TAPE\_MISCONFIG: A non-tape device misconfigured under tape config - Device Name:[chars] Host PWWN:[chars] Tgt PWWN:[chars] LUN Id:%Ld

**Explanation** A disk misconfigured under tape config

**Recommended Action** No action is required.

## SME\_CPP-SLOT#-4

**Message** SME\_CPP-SLOT#-4-LOG\_WARN\_SME\_MAX\_BLOCK\_LEN: Maximum block length [dec] of tape drive is 256K or less - [chars] LunID:[chars] VendorID:[chars] ProdID:[chars] Serial Num:[chars] Cluster:[chars] Tape Device:[chars]

**Explanation** This tape drive may not operate correctly with SME

**Recommended Action** No action is required.

## SNMPD Messages

This section contains the SNMPD messages.

## SNMPD-1

**Message** SNMPD-1-ALERT: SNMP log alert: [chars]

**Explanation** SNMP log alert message.

**Recommended Action** No action is required.

## SNMPD-2

**Message** SNMPD-2-CRITICAL: SNMP log critical: [chars]

**Explanation** SNMP log critical message.

**Recommended Action** No action is required.

## SNMPD-3

**Message** SNMPD-3-ERROR: SNMP log error: [chars]

**Explanation** SNMP log Message.

**Recommended Action** No action is required.

## SNMPD-4

**Message** SNMPD-4-WARNING: SNMP log warning: [chars]

**Explanation** SNMP log warning message.

**Recommended Action** No action is required.

## SNMPD-5

**Message** SNMPD-5-NOTIFICATION: SNMP log notification: [chars]

**Explanation** SNMP log notification message.

**Recommended Action** No action is required.



## SNMPD-6

**Message** SNMPD-6-INFO: SNMP log informational: [chars]

**Explanation** SNMP log info message.

**Recommended Action** No action is required.

## SNMPD-7

**Message** SNMPD-7-DEBUG: SNMP log debugging: [chars]

**Explanation** SNMP log debug message.

**Recommended Action** No action is required.

## SPAN Messages

This section contains the SPAN messages.

### SPAN-2

**Message** SPAN-2-MEM\_FULL: Memory allocation failed

**Explanation** Memory allocation failed

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

### SPAN-3

**Message** SPAN-3-IPC\_FAIL: IPC Error

**Explanation** Internal IPC error

**Recommended Action** No action is required.

**Message** SPAN-3-SYSINFO\_TIMEOUT: Span timed out waiting for response from port manager for sys info

**Explanation** Span request for critical system information from port manager timed out. So, span on the new active is exiting and system manager will restart Span.

**Recommended Action** No action is required.

## SPAN-5

**Message** SPAN-5-ATL\_VSAN\_DEFAULT\_ALL: Default to all VSANs for SPAN egress session

**Explanation** Generation 2 fabric switches support only one VSAN filter for egress SPAN session. If no or more than one VSANs are specified, SPAN will default to use all VSANs for the egress SPAN session

**Recommended Action** No action is required.

**Message** SPAN-5-SPAN\_CFG\_REJECT\_SRC\_VSAN\_FILTER\_NOT\_SUPPORTED: Source interface [[chars]] in dir [[chars]] removed from session [[dec]].

**Explanation** Interface level VSAN filters is not supported

**Recommended Action** No action is required.

**Message** SPAN-5-SPAN\_CFG\_REJECT\_VSAN\_SRC\_PRESENT: Source VSAN [[dec]] removed from session [[dec]].

**Explanation** Source VSANs are removed from the session as mixing of interface and VSANs is not supported.

**Recommended Action** No action is required.

**Message** SPAN-5-SPAN\_PSS\_CORRUPTION: Span is starting stateless due to PSS corruption

**Explanation** Due to unrecoverable PSS corruption error, SPAN starts stateless without any configuration

**Recommended Action** No action is required.

**Message** SPAN-5-STATELESS\_RESTART\_ON\_ACTIVE: Span is restarting as Span on active sup was restarted stateless.

**Explanation** Due to unrecoverable error, Span on active supervisor was restarted stateless. So, the standby Span restarts to get in sync with the stateless Span on active.

**Recommended Action** No action is required.

**Message** SPAN-5-STATELESS\_RESTART: Span is restarting stateless.

**Explanation** Due to unrecoverable error, Span is starting stateless. The currently active sessions will not be preserved. The user will have to reenter all the configuration.

**Recommended Action** No action is required.

## SPAN-6

**Message** SPAN-6-SESSION\_DOWN: Session [dec] is inactive ([chars])

**Explanation** Session [dec] is inactive now. Traffic for this session is no longer spanned

**Recommended Action** Check the reason for session inactive using command 'show span session' and take corresponding action.

**Message** SPAN-6-SESSION\_UP: Session [dec] is active, destination SD port [chars]

**Explanation** Session [dec] is active now. You can monitor Spanned traffic at the destination SD port

**Recommended Action** No action is required.

**Message** SPAN-6-STATELESS\_SWITCHOVER: Span is starting stateless after switchover.

**Explanation** Active sessions are not preserved across switchover. Span is starting stateless and the configuration will be reapplied to get back the active configuration.

**Recommended Action** No action is required.

## SPI Messages

This section contains the SPI messages.

### SPI-SLOT#-2

**Message** SPI-SLOT#-2-SPI\_INFO: [chars]

**Explanation** SPI Informational message

**Recommended Action** No action is required.

## STATSCLIENT Messages

This section contains the STATSCLIENT messages.

## STATSCLIENT-2

**Message** STATSCLIENT-2-STATSCL\_CRIT: [chars]

**Explanation** StatsClient Critical Message

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## STATSCLIENT-3

**Message** STATSCLIENT-3-STATSCL\_ERR2: [chars] [dec] [dec]

**Explanation** StatsClient Error

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** STATSCLIENT-3-STATSCL\_ERR: [chars] [dec]

**Explanation** StatsClient Error

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## STATSCLIENT-6

**Message** STATSCLIENT-6-STATSCL\_INFO: [chars]

**Explanation** StatsClient Flow Message

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## STATSPROFILER Messages

This section contains the STATSPROFILER messages.

### STATSPROFILER-2

**Message** STATSPROFILER-2-IF\_CRITICAL\_FAILURE: (Debug syslog) Critical failure: [chars], [chars]

**Explanation** There was a critical failure in the component.

**Recommended Action** Please follow instructions on the syslog.

**Message** STATSPROFILER-2-IF\_DOWN\_ERROR\_DISABLED: Interface [chars] is down (Error disabled. Reason: [chars])

**Explanation** The interface encountered an error while configuring it

**Recommended Action** Collect more information about failed interface using command show port internal all interface [char]'. In most cases, you can recover using a 'shutdown' followed a 'noshutdown' on the interface on the interface or removing and re-inserting the fibre optic cable.

**Message** STATSPROFILER-2-IF\_DOWN\_LINK\_FAILURE\_CRIT: Interface [chars] is down (Link failure)

**Explanation** The physical link has gone down

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

**Message** STATSPROFILER-2-SEQ\_TIMEOUT: Component [chars] timed out on response to opcode [chars] ([chars])

**Explanation** Some component did not respond to a request in stipulated time.

**Recommended Action** None

**Message** STATSPROFILER-2-SYSLOG\_STATSPROFILER\_CRITICAL: Critical failure: [chars]

**Explanation** There was a critical failure in the component.

**Recommended Action** Please collect system tech-support

## STATSPROFILER-3

**Message** STATSPROFILER-3-IF\_DOWN\_CHANNEL\_ERR\_DISABLED: Interface [chars] is down (Channel error disabled)

**Explanation** This interface belongs to a PortChannel and the PortChannel is error disabled

**Recommended Action** Perform 'shut' and 'no shutdown' on the Port Channel interface that it belongs to

**Message** STATSPROFILER-3-IF\_ERROR\_VLANS\_REMOVED: VLANs [chars] on Interface [chars] are removed from suspended state.

**Explanation** The VLANs on an interface are being removed from the suspended state

**Recommended Action** No action is required.

**Message** STATSPROFILER-3-IF\_ERROR\_VLANS\_SUSPENDED: VLANs [chars] on Interface [chars] are being suspended. (Reason: [chars])

**Explanation** The VLANs on an interface are being suspended due to some protocol action

**Recommended Action** No action is required.

**Message** STATSPROFILER-3-IF\_SFP\_ALARM: Interface [chars], [chars]

**Explanation** There was an alarm on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Message** STATSPROFILER-3-IF\_SFP\_ERROR: Interface [chars], [chars]

**Explanation** There was an error on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Message** STATSPROFILER-3-IF\_UNSUPPORTED\_TRANSCEIVER: Transceiver on interface [chars] is not supported

**Explanation** The transceiver for the interface specified in the Message is not a Cisco supported module

**Recommended Action** Replace the module with a compatible transceiver. If the transceiver was purchased from Cisco, please contact Cisco TAC to get the transceiver replaced

**Message** STATSPROFILER-3-IF\_XCVR\_ALARM: Interface [chars], [chars]

**Explanation** There was an alarm on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Message** STATSPROFILER-3-IF\_XCVR\_ERROR: Interface [chars], [chars]

**Explanation** There was an error on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

## STATSPROFILER-4

**Message** STATSPROFILER-4-IF\_NON\_QUALIFIED\_TRANSCEIVER: Non-qualified transceiver on interface [chars] was detected

**Explanation** The transceiver for the interface specified has not been qualified on this platform for this software release

**Recommended Action** Replace the module with a supported transceiver. Contact Cisco TAC to get platform transceiver qualification details

**Message** STATSPROFILER-4-IF\_SFP\_WARNING: Interface [chars], [chars]

**Explanation** There was an warning on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Message** STATSPROFILER-4-IF\_XCVR\_WARNING: Interface [chars], [chars]

**Explanation** There was an warning on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

## STATSPROFILER-5

**Message** STATSPROFILER-5-IF\_ADMIN\_UP: Interface [chars] is admin up [chars]

**Explanation** Interface is admin up

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_BANDWIDTH\_CHANGE: Interface [chars], bandwidth changed to [chars] Kbit

**Explanation** Bandwidth of the interface (port channel) has changed and this change is updated

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_ADMIN\_DOWN: Interface [chars] is down (Administratively down)

**Explanation** Interface has been configured to be administratively down

**Recommended Action** Perform 'noshutdown'

**Message** STATSPROFILER-5-IF\_DOWN\_CFG\_CHANGE: Interface [chars] is down(Config change)

**Explanation** FCIP interface temporarily down due to reconfiguration

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_CHANNEL\_ADMIN\_DOWN: Interface [chars] is down (Channel admin down)

**Explanation** This interface belongs to a Port Channel and the PortChannel is configured to be administratively down

**Recommended Action** Perform 'no shutdown' on the Port Channel interface that it belongs to

**Message** STATSPROFILER-5-IF\_DOWN\_CHANNEL\_MEMBERSHIP\_UPDATE\_IN\_PROGRESS: Interface [chars] is down (Channel membership update in progress)

**Explanation** The interface belongs to a Port Channel and a configuration is being attempted on the interface while there is a configuration in progress on the Port Channel

**Recommended Action** Retry the configuration again

**Message** STATSPROFILER-5-IF\_DOWN\_DOMAIN\_ADDR\_ASSIGN\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to domain id assignment failure)

**Explanation** Isolated due to a failure while assigning a domain

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_DOMAIN\_INVALID\_RCF\_RECEIVED: Interface [chars] is down (Isolation due to invalid fabric reconfiguration)

**Explanation** Invalid RCF received

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_DOMAIN\_MANAGER\_DISABLED: Interface [chars] is down (Isolation due to domain manager disabled)

**Explanation** Isolated due to domain manager being disabled

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_DOMAIN\_MAX\_RETRANSMISSION\_FAILURE: Interface [chars] is down (Isolation due to domain manager other side not responding)

**Explanation** Remote end domain manager not responding

**Recommended Action** No action is required.



**Message** STATSPROFILER-5-IF\_DOWN\_DOMAIN\_OTHER\_SIDE\_EPORT\_ISOLATED: Interface [chars] is down (Isolation due to domain other side eport isolated)

**Explanation** Isolating this interface due to the remote end being isolated

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_DOMAIN\_OVERLAP\_ISOLATION: Interface [chars] is down (Isolation due to domain overlap)

**Explanation** Isolated due to domain overlap

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to ELP failure)

**Explanation** ELP failed on the interface

**Recommended Action** Check the output of 'show port internal info' in the 'ELP failure reason' field

**Message** STATSPROFILER-5-IF\_DOWN\_EPP\_FAILURE: Interface [chars] is down (Error Disabled - EPP Failure)

**Explanation** Trunk protocol failed

**Recommended Action** 'show port internal event-history msgs' will indicate the trunk protocol exchanges to determine why it failed

**Message** STATSPROFILER-5-IF\_DOWN\_ESC\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to ESC failure)

**Explanation** ESC failed on the interface

**Recommended Action** Check the output of 'show port internal event-history' to determine the ESC protocol exchanges to determine how it failed

**Message** STATSPROFILER-5-IF\_DOWN\_ETH\_IF\_DOWN: Interface [chars] is down(Tunnel port src interface down)

**Explanation** Ethernet link to which the FCIP interface is bound is down

**Recommended Action** Ensure that the ethernet cable is connected, the interface is administratively enabled

**Message** STATSPROFILER-5-IF\_DOWN\_ETH\_LINK\_DOWN: Interface [chars] is down(Tunnel port src interface link down)

**Explanation** Ethernet link to which the FCIP interface is bound is down

**Recommended Action** Ensure that the ethernet cable is connected and the remote end is also active

**Message** STATSPROFILER-5-IF\_DOWN\_FCOT\_NOT\_PRESENT: Interface [chars] is down (FCOT not present)

**Explanation** The FCOT has been removed

**Recommended Action** Insert an FCOT

**Message** STATSPROFILER-5-IF\_DOWN\_FCOT\_VENDOR\_NOT\_SUPPORTED: Interface [chars] is down (Error disabled - Fcot vendor not supported)

**Explanation** Fcot inserted is not a supported one

**Recommended Action** Please contact customer support for a list of authorized transceiver vendors

**Message** STATSPROFILER-5-IF\_DOWN\_HW\_FAILURE: Interface [chars] is down (Hardware Failure)

**Explanation** The modules hardware has failed

**Recommended Action** Collect more information about failed module using command 'show module internal all module'

**Message** STATSPROFILER-5-IF\_DOWN\_INACTIVE: Interface [chars] is down (Inactive)

**Explanation** The port VSAN has been suspended or deleted

**Recommended Action** Assign a new active port VSAN to the interface

**Message** STATSPROFILER-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_MODE: Interface [chars] is down (Error disabled - Incompatible admin port mode)

**Explanation** The configured mode is not supported on this interface

**Recommended Action** Perform a 'show port internal info' to determine the list of modes supported on this interface

**Message** STATSPROFILER-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_RXBBCREDIT: Interface [chars] is down (Error disabled - Incompatible admin port rxbbcredit)

**Explanation** The configured receive B2B credit size is not supported

**Recommended Action** Get the allowed receive B2B credit size from 'show port internal info'

**Message** STATSPROFILER-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_RXBUFSIZE: Interface [chars] is down (Error disabled - Incompatible admin port rxbufsize)

**Explanation** The configured receive buffer size is not supported

**Recommended Action** Get the allowed receive buffer size from 'show port internal info'

**Message** STATSPROFILER-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_SPEED: Interface [chars] is down (Error disabled - Incompatible admin port speed)

**Explanation** The configured speed is not supported on this interface

**Recommended Action** Perform a 'show port internal info' to determine the range of speed supported on this interface

**Message** STATSPROFILER-5-IF\_DOWN\_INITIALIZING: Interface [chars] is down (Initializing)

**Explanation** The interface is in the process of coming up

**Recommended Action** If the interface is stuck in this state for a while, check the output of 'show port internal event-history' to determine what it is waiting for.

**Message** STATSPROFILER-5-IF\_DOWN\_INTERFACE\_REMOVED: Interface [chars] is down (Interface removed)

**Explanation** Interface removed

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_LINK\_FAILURE: Interface [chars] is down (Link failure)

**Explanation** The physical link has gone down

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

**Message** STATSPROFILER-5-IF\_DOWN\_LOOPBACK\_DIAG\_FAILURE: Interface [chars] is down (Diag failure)

**Explanation** Diag failed on the interface

**Recommended Action** Collect more information about failed interface using command 'attach module' to connect to module

**Message** STATSPROFILER-5-IF\_DOWN\_LOOPBACK\_ISOLATION: Interface [chars] is down (Isolation due to port loopback to same switch)

**Explanation** The interface is looped back to another interface on the same switch

**Recommended Action** Check the connectivity of this interface and ensure that it is connected to another switch

**Message** STATSPROFILER-5-IF\_DOWN\_MODULE\_REMOVED: Interface [chars] is down (module removed)

**Explanation** Interface is down because the module was removed

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_NONE: Interface [chars] is down ([chars])

**Explanation** Interface is down with a possible reason.

**Recommended Action** Collect more information about port using command 'show port internal info/event-history' to determine why it went down

**Message** STATSPROFILER-5-IF\_DOWN\_NON\_PARTICIPATING: Interface [chars] is down (Non participating)

**Explanation** The loop port has been put into non participating mode

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_OFFLINE: Interface [chars] is down (Offline)

**Explanation** The interface has been placed into the offline state

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_PARENT\_ADMIN\_DOWN: Interface [chars] is down (Parent interface down)

**Explanation** Parent interface is down

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_PEER\_CLOSE: Interface [chars] is down(TCP conn. closed by peer)

**Explanation** The FCIP peer connected to this interface closed the TCP connection

**Recommended Action** This command will provide the peer IP address of this FCIP interface: show interface. Check to see why the peer closed the TCP connection

**Message** STATSPROFILER-5-IF\_DOWN\_PEER\_RESET: Interface [chars] is down(TCP conn. reset by peer)

**Explanation** TCP connection to the FCIP peer got reset

**Recommended Action** The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Check to see why the peer reset the TCP connection

**Message** STATSPROFILER-5-IF\_DOWN\_PORT\_CHANNEL\_MEMBERS\_DOWN: Interface [chars] is down (No operational members)

**Explanation** This is a Port Channel interface and all its members are operationally down

**Recommended Action** Enable at least one of the PortChannel members

**Message** STATSPROFILER-5-IF\_DOWN\_PORT\_VSAN\_MISMATCH\_ISOLATION: Interface [chars] is down (Isolation due to port vsan mismatch)

**Explanation** Isolated due to a mismatch in the configured port VSAN of the local and remote ends

**Recommended Action** Configure the port VSAN of the local and remote interfaces to be the same and perform a 'shutdown' and a 'noshutdown'

**Message** STATSPROFILER-5-IF\_DOWN\_RCF\_IN\_PROGRESS: Interface [chars] is down (RCF in progress)

**Explanation** There is an RCF in progress

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_SOFTWARE\_FAILURE: Interface [chars] is down (Port software failure)

**Explanation** The software servicing the data path on the port has failed

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_SRC\_MOD\_NOT\_ONLINE: Interface [chars] is down(Tunnel source module not online)

**Explanation** Module that has the tunnel source port of this FCIP interface is not fully online

**Recommended Action** The module that has the tunnel src port is coming online. Please use show mod to find module status

**Message** STATSPROFILER-5-IF\_DOWN\_SRC\_PORT\_NOT\_BOUND: Interface [chars] is down (Tunnel port src interface unbound)

**Explanation** Tunnel port source interface unbound

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_SRC\_PORT\_REMOVED: Interface [chars] is down (Tunnel src port removed)

**Explanation** Tunnel source port of this FCIP interface has been removed

**Recommended Action** The src interface with ip address that matches the ip address of the bound entity is removed. This happens normally due to the module on which the src interface exists is removed

**Message** STATSPROFILER-5-IF\_DOWN\_SUSPENDED\_BY\_MODE: Interface [chars] is down (Suspended due to incompatible mode)

**Explanation** This interface belongs to a PortChannel and operational mode of the interface is different from that of the PortChannel

**Recommended Action** Change the mode and the trunking mode of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

**Message** STATSPROFILER-5-IF\_DOWN\_SUSPENDED\_BY\_SPEED: Interface [chars] is down (Suspended due to incompatible speed)

**Explanation** This interface belongs to a PortChannel and operational speed of the interface is different from that of the PortChannel

**Recommended Action** Change the speed of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

**Message** STATSPROFILER-5-IF\_DOWN\_SUSPENDED\_BY\_WWN: Interface [chars] is down (Suspended due to incompatible remote switch WWN)

**Explanation** This interface belongs to a PortChannel and remote switch WWN of the interface is different from that of the PortChannel

**Recommended Action** Ensure that this interface is connected to the same remote switch as all the other interfaces in the PortChannel

**Message** STATSPROFILER-5-IF\_DOWN\_SUSPENDED: Interface [chars] is down (Suspended)

**Explanation** This interface belongs to a PortChannel and has been suspended due to an error while bringing it up

**Recommended Action** Perform a 'shutdown' and a 'no shutdown'. If this happens again obtain output of 'show port internal info/event-history' on the interface

**Message** STATSPROFILER-5-IF\_DOWN\_TCP\_KEEP\_ALIVE\_EXPIRED: Interface [chars] is down(TCP conn. closed - Keep alive expired)

**Explanation** TCP session to the FCIP peer got closed due to loss of TCP keep alive

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** STATSPROFILER-5-IF\_DOWN\_TCP\_MAX\_RETRANSMIT: Interface [chars] is down(TCP conn. closed - retransmit failure)

**Explanation** Interface is down due to maximum retransmission failure

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** STATSPROFILER-5-IF\_DOWN\_TCP\_PERSIST\_TIMER\_EXPIRED: Interface [chars] is down(TCP conn. closed - Persist timer expired)

**Explanation** TCP session to the FCIP peer closed because TCP persist timer expired

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** STATSPROFILER-5-IF\_DOWN\_UPGRADE\_IN\_PROGRESS: Interface [chars] is down (Linecard upgrade in progress)

**Explanation** Upgrade of the linecard software is in progress

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_VRF\_UNUSABLE: Interface [chars] is down (Vrf down)

**Explanation** The VRF for which this interface is a member is removed

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_VSAN\_MISMATCH\_ISOLATION: Interface [chars] is down (Isolation due to vsan mismatch)

**Explanation** This is a trunking interface and the VSANs configured do not match with the VSANs configured on the remote end

**Recommended Action** Check the VSANs configured on the local end with the remote end

**Message** STATSPROFILER-5-IF\_DOWN\_ZONE\_MERGE\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to zone merge failure)

**Explanation** Isolated due to a failure during zone merge

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_ZONE\_REMOTE\_NO\_RESP\_ISOLATION: Interface [chars] is down (Isolation due to remote zone server not responding)

**Explanation** Isolated due to remote zone server not responding.

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DUPLEX: Interface [chars], operational duplex mode changed to [chars]

**Explanation** Operational duplex mode has changed when link came up.

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_ERRDIS\_RECOVERY: Interface [chars] is being recovered from error disabled state (Last Reason:[chars])

**Explanation** Interface is being recovered from error disabled state.

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_HARDWARE: Interface [chars], hardware type changed to [chars]

**Explanation** There was a change in the hardware characteristic of an interface, such as a transceiver module plugged in or removed.

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_L2MP\_MODE: Interface [chars], l2mp-mode changed to [chars]

**Explanation** The l2mp-mode on the port has changed

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_RX\_FLOW\_CONTROL: Interface [chars], operational Receive Flow Control state changed to [chars]

**Explanation** Operational receive flow control has changed when link came up

**Recommended Action** No action is required.



**Message** STATSPROFILER-5-IF\_TRUNK\_DOWN: Interface [chars], vlan [chars] down

**Explanation** Interface [chars] is trunking, VLANs [chars] are down

**Recommended Action** The following commands will help determine why this VSAN is down on this interface: show interface, show port internal info interface VSAN, show port internal event-history interface vsan

**Message** STATSPROFILER-5-IF\_TRUNK\_UP: Interface [chars], vlan [chars] up

**Explanation** Interface [chars] is trunking, VLANs [chars] are up.

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_TX\_FLOW\_CONTROL: Interface [chars], operational Transmit Flow Control state changed to [chars]

**Explanation** Operational transmit flow control has changed when link came up

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_UP: Interface [chars] is up [chars]

**Explanation** Interface is up in mode specified, if applicable.

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-SPEED: Interface [chars], operational speed changed to [chars]

**Explanation** Operational speed has changed when link came up.

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-STORM\_CONTROL\_ABOVE\_THRESHOLD: Traffic in port [chars] exceeds the configured threshold [chars]

**Explanation** Traffic on specified port is beyond the configured storm-control threshold, and the excess traffic is being dropped.

**Recommended Action** Identify source of traffic storm.

**Message** STATSPROFILER-5-STORM\_CONTROL\_BELOW\_THRESHOLD: Traffic in port [chars] has fallen below the configured threshold [chars]

**Explanation** Traffic on specified port has returned to within configured storm-control threshold.

**Recommended Action** No action is required.

## STP Messages

This section contains the STP messages.

### STP-2

**Message** STP-2-BLOCK\_BPDUGUARD: Received BPDU on port [chars] with BPDU Guard enabled. Disabling port.

**Explanation** A BPDU was received in the interface specified in the Message that has the spanning tree BPDU Guard feature enabled. As a result, the interface was administratively shut down.

**Recommended Action** Either remove the device sending BPDUs or disable the BPDU Guard feature. The BPDU Guard feature can be locally configured on the interface or globally configured on all ports that have port-fast enabled. After the conflict has been resolved, re-enable the interface by entering the <CmdBold>

**Message** STP-2-BLOCK\_DETECTED\_PVST\_PEER: Blocking port [chars] [PVST peer detected].

**Explanation** The listed interface received SSTP BPDU indicating that peer is running PVST and will be held in spanning tree blocking state until the interface stops receiving SSTP BPDUs

**Recommended Action** Either enable PVST simulation configuration for the interface or make sure the port peer is not PVST switch

**Message** STP-2-BLOCK\_PVID\_LOCAL: Blocking [chars] on [chars]. Inconsistent local vlan.

**Explanation** The spanning tree port associate with the listed spanning tree instance and interface will be held in spanning tree blocking state until the Port VLAN ID (PVID) inconsistency is resolved. The listed spanning tree instance is that of the native VLAN id of the listed interface.

**Recommended Action** Verify that the configuration of the native VLAN id is consistent on the interfaces on each end of the 802.1Q trunk connection. Once corrected, spanning tree will automatically unblock the interfaces as appropriate.

**Message** STP-2-BLOCK\_PVID\_PEER: Blocking [chars] on [chars]. Inconsistent peer vlan.

**Explanation** The spanning tree port associate with the listed spanning tree instance and interface will be held in spanning tree blocking state until the port VLAN Id (PVID) inconsistency is resolved. The listed spanning tree instance is that of the native VLAN id of interface on the peer switch to which the listed interface is connected.

**Recommended Action** Verify that the configuration of the native VLAN id is consistent on the interfaces on each end of the 802.1Q trunk connection. Once corrected, spanning tree will automatically unblock the interfaces as appropriate.

**Message** STP-2-BRIDGE\_ASSURANCE\_BLOCK: Bridge Assurance blocking port [chars] [chars].

**Explanation** BPDUs were not received from a neighboring switch on the interface that has spanning tree Bridge Assurance configured. As a result, the interface was moved to the spanning tree Blocking state

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-2-BRIDGE\_ASSURANCE\_UNBLOCK: Bridge Assurance unblocking port [chars] [chars].

**Explanation** The interface listed in the message has been restored to normal spanning tree state after receiving BPDUs from the neighboring L2 switch/bridge

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-2-DISPUTE\_CLEARED: Dispute resolved for port [chars] on [chars].

**Explanation** The listed interface has stopped receiving Inferior BPDUs with designated role and state as learning and/or forwarding. The Dispute has been resolved and if the port is still designated, it will be taken out of the blocking state as and when appropriate.

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-2-DISPUTE\_DETECTED: Dispute detected on port [chars] on [chars].

**Explanation** The spanning tree has detected a Dispute on this interface. The BPDU received from the peer is Inferior with designated role and state as learning and/or forwarding. Since this condition could be caused by an unidirectional link failure, the interface is put into blocking state and marked as disputed in order to prevent possible loops from being created

**Recommended Action** Issue the <CmdBold>

**Message** STP-2-IPC\_PROCESSING\_ERR: Error in processing IPC message: Opcode = [dec], Error code = [hex]

**Explanation** STP encountered an error in processing an MTS message. The error and message are specified in the Message

**Recommended Action** No action is required.

**Message** STP-2-L2GW\_BACKBONE\_BLOCK: L2 Gateway Backbone port inconsistency blocking port [chars] on [chars].

**Explanation** A BPDU was received on the listed interface which advertises a superior spanning tree root bridge to that currently in use. The interface is put into blocking state and marked as L2 Gateway Backbone port inconsistent in order to prevent a suboptimal spanning tree topology to form.

**Recommended Action** Issue the <CmdBold>

**Message** STP-2-L2GW\_BACKBONE\_UNBLOCK: L2 Gateway Backbone port inconsistency cleared unblocking port [chars] on [chars].

**Explanation** The listed interface is no longer receiving BPDUs advertising a superior root bridge. The L2 Gateway Backbone port inconsistency is cleared for the interface and then it is taken out of the blocking state if appropriate.

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-2-LOOPGUARD\_BLOCK: Loop guard blocking port [chars] on [chars].

**Explanation** The spanning tree message age timer has expired because and no BPDUs were received from the designated bridge. Since this condition could be caused by an unidirectional link failure, the interface is put into blocking state and marked as loop guard inconsistent in order to prevent possible loops from being created

**Recommended Action** Issue the <CmdBold>

**Message** STP-2-LOOPGUARD\_CONFIG\_CHANGE: Loop guard [chars] on port [chars].

**Explanation** The spanning tree loop guard configuration for the listed interface has been changed. If enabled, the interface will be put into blocking state and marked as loop guard inconsistent when the message age timer expires because no BPDU were received from the designated bridge. This feature is mainly used to detect unidirectional links

**Recommended Action** Verify that this is the desired configuration for the listed interface. Correct it if this is not the desired configuration otherwise no further action is required.

**Message** STP-2-LOOPGUARD\_UNBLOCK: Loop guard unblocking port [chars] on [chars].

**Explanation** The listed interface has received a BPDU and therefore if the inconsistency was due to an unidirectional link failure, now the problem is not there anymore. The loop guard inconsistency is cleared for the interface which is taken out of the blocking state if appropriate.

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-2-PVSTSIM\_FAIL: Blocking [chars] port [chars]: Inconsistent [chars] PVST BPDU received on VLAN [dec], claiming root [chars]

**Explanation** When a MST switch is connected to a PVST+ switch, the CIST (MST00) information on the port of the MST switch must be consistently better than all the PVST+ messages if the port is designated or consistently worse than all the PVST+ messages if the port is root. If this constraint is not respected, the port on the MST switch is blocked in order to prevent a potential bridging loop

**Recommended Action** When STP is converging after a new switch, or switch port is added to the topology, this condition may happen transiently. The port unblocks automatically in such cases. If the port remains blocked, identify the root bridge as reported in the message, and configure a worse or better priority for the VLAN spanning tree consistent with the CIST role on the port of the MST switch. There could be more inconsistencies than the message indicates, and the port will not recover until all such inconsistencies are cleared. If you cannot determine which other VLANs have inconsistencies, disable and reenabling the port. This message will appear again and specify another VLAN with inconsistencies to be fixed. Repeat this process until all inconsistencies on all VLANs are cleared.

**Message** STP-2-PVSTSIM\_OK: PVST Simulation inconsistency cleared on port [chars].

**Explanation** The listed interface is no longer receiving PVST BPDUs advertising an information inconsistent with the CIST port information. The PVST Simulation Inconsistency is cleared and the interface returns to normal operation

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-2-RANDNUM\_FAIL: [chars]

**Explanation** There was a critical error during random number generation. [chars] indicates details of the error

**Recommended Action** No action is required.

**Message** STP-2-RECV\_BAD\_TLV: Received SSTP BPDU with bad TLV on [chars] [chars].

**Explanation** The list interface received a SSTP BPDU that was missing the VLAN id tag. The BPDU is discarded.

**Recommended Action** No action is required.

**Message** STP-2-RECV\_PVID\_ERR: Received BPDU with inconsistent peer vlan id [dec] on [chars] [chars].

**Explanation** The listed interface received a SSTP BPDU that is tagged with a VLAN id that does not match the VLAN id on which the BPDU was received. This occurs when the native VLAN is not consistently configured on both ends of a 802.1Q trunk.

**Recommended Action** Verify that the configuration of the native VLAN id is consistent on the interfaces on each end of the 802.1Q trunk connection. Once corrected, spanning tree will automatically unblock the interfaces as appropriate.

**Message** STP-2-ROOTGUARD\_BLOCK: Root guard blocking port [chars] on [chars].

**Explanation** A BPDU was received on the listed interface which advertizes a superior spanning tree root bridge to that currently in use. The interface is put into blocking state and marked as root guard inconsistent in order to prevent a suboptimal spanning tree topology to form.

**Recommended Action** Issue the <CmdBold>

**Message** STP-2-ROOTGUARD\_CONFIG\_CHANGE: Root guard [chars] on port [chars].

**Explanation** The spanning tree root guard configuration for the listed interface has been changed. If enabled, any BPDU received on this interface which advertizes a superior spanning tree root bridge to that already in use will cause the interface to be put into blocking state and marked as root guard inconsistent.

**Recommended Action** Verify that this is the desired configuration for the listed interface. Correct it if this is not the desired configuration otherwise no further action is required.

**Message** STP-2-ROOTGUARD\_UNBLOCK: Root guard unblocking port [chars] on [chars].

**Explanation** The listed interface is no longer receiving BPDUs advertising a superior root bridge. The root guard inconsistency is cleared for the interface and then it is taken out of the blocking state if appropriate.

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-2-SET\_PORT\_STATE\_FAIL: Port state change req to PIXM failed, status = [hex] [[chars]] vdc [dec], tree id [dec], num ports [dec], ports [chars] state [chars], opcode [chars], msg id ([dec]), rr\_token [hex]

**Explanation** The port set port state has failed. check port

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-2-SET\_PORT\_STATE\_TIMEOUT: Port state change req to PIXM timedout after [dec] sec. vdc [dec], tree id [dec], num ports [dec], ports [chars] state [chars], opcode [chars], msg id ([dec]), rr\_token [hex]

**Explanation** The port set port state has timedout. check port

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-2-STP\_INIT: STP initialization of [chars] [chars]

**Explanation** STP initialization failed

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** STP-2-STP\_ISSU\_LC\_RESET: STP resetting LC [dec] to prevent Loops during ISSU caused by a topology change in the network. Peer on [chars] [chars] could not be Disputed

**Explanation** This can happen as a result of a topology change in the network while the Linecard was undergoing ISSU. Since STP cannot change the port state to blocking on the Linecard undergoing ISSU, it will first try to prevent the Loop by causing a Dispute on the peer ports forcing them into blocking state. But if the peer does not support Dispute mechanism, and STP detects a potential Loop, it will reset the Linecard to prevent the Loop

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-2-UNBLOCK\_CONSIST\_PORT: Unblocking port [chars] on [chars]. Port consistency restored.

**Explanation** The Port VLAN ID and/or Port Type inconsistencies have been resolved and spanning tree will now unblock the listed interface of the listed spanning tree instance as appropriate.

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-2-UNBLOCK\_DETECTED\_PVST\_PEER: Unblocking port [chars] [PVST peer detected].

**Explanation** The listed interface has stopped receiving SSTP BPDUs and so will be restored to normal spanning tree state

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-2-VLAN\_PORT\_LIMIT\_EXCEEDED: The number of vlan-port instances exceeded [[chars] mode] recommended limit of [dec]

**Explanation** The total number of individual VLAN ports, in the spanning tree mode specified in the Message, has exceeded the limit specified in the Message. VLANs can be counted more than once; if VLAN 1 is carried on 10 interfaces, it will count as 10 VLAN ports. Note that bundling is ignored for purposes of this count; if 8 interfaces on the same module are in one bundle, and the port channel is carrying VLAN 1, it will count as 1 VLAN ports.

**Recommended Action** Reduce the number of trunks and VLANs configured in the switch. Keep the VLAN port count below the recommended limit specified in the configuration documentation. Enter the <CmdBold>

**Message** STP-2-VPC\_PEERSWITCH\_CONFIG\_DISABLED: vPC peer-switch configuration is disabled. Please make sure to change spanning tree bridge priority as per the recommended guidelines.

**Explanation** The vPC peer-switch configuration has been changed. If enabled, please make sure to configure spanning tree bridge priority as per the recommended guidelines. If disabled, please make sure to change spanning tree bridge priority as per the recommended guidelines.

**Recommended Action** Verify that this is the desired configuration and follow the vPC peer-switch recommended guidelines.

**Message** STP-2-VPC\_PEERSWITCH\_CONFIG\_ENABLED: vPC peer-switch configuration is enabled. Please make sure to configure spanning tree bridge priority as per recommended guidelines to make vPC peer-switch operational.

**Explanation** The vPC peer-switch configuration has been changed. If enabled, please make sure to configure spanning tree bridge priority as per the recommended guidelines. If disabled, please make sure to change spanning tree bridge priority as per the recommended guidelines.

**Recommended Action** Verify that this is the desired configuration and follow the vPC peer-switch recommended guidelines.

**Message** STP-2-VPC\_PEER\_LINK\_INCONSIST\_BLOCK: vPC peer-link detected [chars] blocking [chars] [chars].

**Explanation** VPC Peer-link detected the STP inconsistency mentioned in the message. This will impact the STP topology for vPCs and can cause frame duplications. As a result, the interface was moved to the spanning tree Blocking state

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-2-VPC\_PEER\_LINK\_INCONSIST\_ERRDISABLE: vPC Peer-link detected [chars]. Disabling [chars].

**Explanation** VPC Peer-link detected the STP inconsistency mentioned in the message. This will impact the STP topology for vPCs and can cause frame duplications. As a result, the vPC Peer-link was administratively shut down.

**Recommended Action** Please resolve the inconsistency reported in this message on the vPC Peer link. After the conflict has been resolved, re-enable the interface by entering the <CmdBold>

**Message** STP-2-VPC\_PEER\_LINK\_INCONSIST\_UNBLOCK: vPC peer-link inconsistency cleared unblocking [chars] [chars].

**Explanation** VPC Peer-link inconsistency is cleared and the vPC interface listed in the message has been restored to normal spanning tree state.

**Recommended Action** LOG\_STD\_NO\_ACTION

## STP-3

**Message** STP-3-BLOCK\_PORT\_TYPE: Blocking [chars] on [chars]. Inconsistent port type.

**Explanation** The listed interface is being held in spanning tree blocking state until the port type inconsistency is resolved.

**Recommended Action** Verify that the configuration and operational state of the listed interface and that of the interface to which it is connected have the same mode (access vs trunk). If mode is trunk, verify the same encapsulation (ISL, 802.1Q). Once these parameters are consistent, spanning tree will automatically unblock the interfaces as appropriate.



**Message** STP-3-PORT\_SELF\_LOOPED: Received BPDU src mac same as that of port. Port self loopback detected. Port [chars] being disabled

**Explanation** The source MAC address contained in a BPDU received on the listed interface matches the MAC address assigned to that interface This indicates the possibility that a port is looped back to itself, possibly due to a diagnostic cable being plugged in. The interface will be administratively shutdown.

**Recommended Action** Check the interface configuration and any cable plugged into the interface. Once problem resolved, re-enable interface by doing a no shutdown in the interface configuration. Copy the Message as it is printed and also copy the output of a show interface for the interface listed in the Message.

**Message** STP-3-RECV\_1Q\_NON\_TRUNK: Received 802.1Q BPDU on non trunk [chars] [chars].

**Explanation** A SSTP BPDU was received on the listed interface that was not operationally a trunk.

**Recommended Action** Verify that the configuration and operational state of the listed interface and that of the interface to which it is connected have the same mode (access vs trunk). If mode is trunk, verify the same encapsulation (none, ISL, 802.1Q). Once these parameters are consistent, spanning tree will automatically unblock the interfaces as appropriate.

## STP-4

**Message** STP-4-FORWARDTIME\_CONFIG\_CHANGE: Forward Delay time change to [dec] seconds for instance [chars] is not recommended as it can cause STP data loops during High Availability Dual-Supervisor Switchover and In-Service Software Upgrade

**Explanation** It is strongly recommended to avoid changing forward delay time value to less than the default value of 15 seconds since it can cause STP data loops during High Availability Dual-Supervisor Switchover and also during In-Service Software Upgrade. Please read the release notes.

**Recommended Action** Please change the forward delay time to be greater than or equal to the default value of 15 seconds

**Message** STP-4-HELLOTIME\_CONFIG\_CHANGE: Hello time change to [dec] seconds for instance [chars] is not recommended as it can trigger STP Topology Changes during High Availability Dual-Supervisor Switchover and In-Service Software Upgrade

**Explanation** It is strongly recommended to avoid changing Hello time value to less than the default value of 2 seconds since it can trigger STP Topology change during High Availability Dual-Supervisor Switchover and also during In-Service Software Upgrade. Please read the release notes.

**Recommended Action** Please change the hello time to be greater than or equal to the default value of 2 seconds.

**Message** STP-4-MAC\_ADDR\_FLUSH\_REQ\_TIMEOUT: MAC Address Flush req to L2FM timedout after [dec] sec. vdc [dec], tree id [dec], num ports [dec], ports [chars], opcode [chars], msg id ([dec]), rr\_token [hex]

**Explanation** The MAC Address Flush Request to L2FM has timedout. check port

**Recommended Action** LOG\_STD\_NO\_ACTION

## STP-6

**Message** STP-6-FIRST\_BPDU\_TX: First BPDU transmitted

**Explanation** First BPDU transmitted.

**Recommended Action** No action is required.

**Message** STP-6-MST\_DIGEST: MST digest changed to [chars], pre-std digest changed to [chars]

**Explanation** MST Region configuration has changed

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-MST\_PORT\_BOUNDARY: Port [chars] [chars] as MST Boundary port

**Explanation** MST Boundary port status of the specified port is changed

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-MST\_PORT\_PRE\_STANDARD: Port [chars] [chars] as MST Pre-standard port.

**Explanation** MST pre-standard status of the specified port is changed

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-PORT\_ADDED: Interface [chars], added to [chars] with role [chars], state [chars], cost [dec], priority [dec], link-type [chars]

**Explanation** This spanning tree port has been added

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-PORT\_COST: Port [chars] instance [chars] cost changed to [dec]

**Explanation** The spanning tree port cost has changed for the specified port

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-PORT\_DELETED: Interface [chars], removed from [chars]

**Explanation** This spanning tree port has been deleted

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-PORT\_LINK\_TYPE: Port [chars] instance [chars] link changed to [chars]

**Explanation** The spanning tree port link type has changed for the specified port

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-PORT\_PRIORITY: Port [chars] instance [chars] priority changed to [dec]

**Explanation** The spanning tree port priority has changed for the specified port

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-PORT\_RANGE\_ADDED: Interface [chars] added to [chars] with cost [dec], priority [dec], link-type [chars]

**Explanation** This spanning tree port has been added

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-PORT\_RANGE\_DELETED: Interface [chars] removed from [chars]

**Explanation** This range spanning tree logical ports has been deleted

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-PORT\_RANGE\_ROLE: new\_role= [chars] interface= [chars] [chars]

**Explanation** The role of the range of spanning tree logical ports has changed

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-PORT\_RANGE\_STATE: new\_state= [chars] interface= [chars] [chars]

**Explanation** The range of Spanning-Tree logical ports have changed state.

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-PORT\_ROLE: Port [chars] instance [chars] role changed to [chars]

**Explanation** The spanning tree port role has changed for the specified port

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-PORT\_STATE: Port [chars] instance [chars] moving from [chars] to [chars]

**Explanation** The Spanning-Tree port has changed state.

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-PRESTD\_NEIGH: This switch has received a pre-standard MST BPDU on port [chars]: Invoking pre-standard MST BPDU transmission on this port.

**Explanation** The switch has received a pre-standard MST BPDU on a port. The switch will automatically adjust its mode of operation on this port and will start sending pre-standard BPDUs.

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-ROOT: Root bridge for [chars] changed to [chars]

**Explanation** The spanning tree root bridge has changed

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-SERVICE\_UP: Initialized [chars]

**Explanation** STP line 2.

**Recommended Action** No action is required.

**Message** STP-6-STATE\_CREATED: Internal state created [chars]

**Explanation** STP has created its internal state stateless/stateful [chars].

**Recommended Action** No action is required.

## SVC\_BATTERY Messages

This section contains the SVC\_BATTERY messages.

## SVC\_BATTERY-SLOT#-2

**Message** SVC\_BATTERY-SLOT#-2-BATTERY\_NOT\_OPERATIONAL: Battery [dec] temperature [dec] C is outside the operational range (-10C to 65C).

**Explanation** The battery temperature is outside the operational range (-10C to 65C).

**Recommended Action** Verify fan operation with [show environment fan], and take action to cool down the switch.

**Message** SVC\_BATTERY-SLOT#-2-BATTERY\_NOT\_PRESENT: Battery [dec] is not present.

**Explanation** The line card does not have sufficient number of batteries. Two batteries are needed.

**Recommended Action** Remove the line card and plug in batteries in the battery slots that are empty.

**Message** SVC\_BATTERY-SLOT#-2-CHARGING\_DISABLED: Temperature outside permitted range for battery charging (5C-40C).

**Explanation** The temperature of the linecard is not within the range to permit battery charging.

**Recommended Action** Make sure the temperature of the linecard is between 5C and 40C

**Message** SVC\_BATTERY-SLOT#-2-CHARGING\_FAILURE: Charging failure in battery [dec] ([hex]).

**Explanation** The module encountered failures while charging a battery.

**Recommended Action** Replace the battery.

**Message** SVC\_BATTERY-SLOT#-2-CLOCK\_INCORRECT: System clock is running behind, battery conditioning will be affected.

**Explanation** The Vegas system clock is running behind the actual time. This will affect the battery conditioning.

**Recommended Action** Use clock set CLI command to set the correct time

**Message** SVC\_BATTERY-SLOT#-2-COMMUNICATION\_FAILURE: Communication failure with battery [dec].

**Explanation** The module encountered failures while communicating with a battery.

**Recommended Action** Replace the battery.

**Message** SVC\_BATTERY-SLOT#-2-CONDITIONING\_DISABLED: Temperature outside permitted range for battery conditioning (5C-40C).

**Explanation** The temperature of the linecard is not within the range to permit battery conditioning.

**Recommended Action** Make sure the temperature of the linecard is between 5C and 40C

**Message** SVC\_BATTERY-SLOT#-2-DISCHARGING\_FAILURE: Discharging failure in battery [dec] ([hex]).

**Explanation** The module encountered failures while discharging a battery.

**Recommended Action** Replace the battery.

## SVC\_BATTERY-SLOT#-4

**Message** SVC\_BATTERY-SLOT#-4-BATTERY\_CAPACITY\_LOW: Battery capacity is below the required threshold.

**Explanation** The battery is lower than the required threshold.

**Recommended Action** Make sure the temperature is within the range to allow charging.

## SVC\_BATTERY-SLOT#-6

**Message** SVC\_BATTERY-SLOT#-6-BATTERY\_CAPACITY\_OK: Battery capacity is above the required threshold.

**Explanation** The battery is above the required threshold.

**Recommended Action** No action is required.

**Message** SVC\_BATTERY-SLOT#-6-CONDITIONING\_CANCELLED: Temperature outside permitted range for battery conditioning (5C-40C). Battery [dec] conditioning canceled.

**Explanation** The temperature of the linecard is not within the range to permit battery conditioning.

**Recommended Action** Make sure the temperature of the linecard is between 5C and 40C

**Message** SVC\_BATTERY-SLOT#-6-CONDITIONING\_COMPLETED: Conditioning of battery [dec] completed successfully.

**Explanation** Conditioning process started for a battery is completed successfully.

**Recommended Action** No action is required.

**Message** SVC\_BATTERY-SLOT#-6-CONDITIONING\_RESUMED: Conditioning of battery [dec] resumed.

**Explanation** Conditioning process for a battery is resumed.

**Recommended Action** No action is required.

**Message** SVC\_BATTERY-SLOT#-6-CONDITIONING\_STARTED: Conditioning of battery [dec] started.

**Explanation** Conditioning process started for a battery

**Recommended Action** No action is required.

## SVC Messages

This section contains the SVC messages.

### SVC-0

**Message** SVC-0-NODE\_EMERG\_MSG: [chars]

**Explanation** Syslog message from a SVC interface node

**Recommended Action** No action is required.

### SVC-1

**Message** SVC-1-NODE\_ALERT\_MSG: [chars]

**Explanation** Syslog message from a SVC interface node

**Recommended Action** No action is required.

### SVC-2

**Message** SVC-2-NODE\_CRIT\_MSG: [chars]

**Explanation** Syslog message from a SVC interface node

**Recommended Action** No action is required.

**Message** SVC-2-SVC\_SYSLOG\_INIT\_FAILED: Initialization failed for SVC: [chars], Reason: [hex]

**Explanation** Initialization failed for SVC

**Recommended Action** No action is required.

**Message** SVC-2-SVC\_SYSLOG\_NO\_PORT\_CHAN: Too many PortChannels allocated by user for interface [chars]

**Explanation** SVC interface needs PortChannels to operate. Too many PortChannels have been allocated by the user for the interface to operate correctly.

**Recommended Action** Please delete unneeded user configured PortChannels and shutdown the SVC interface. Once complete, please bring the SVC interface back up.

**Message** SVC-2-SVC\_SYSLOG\_PATH\_FAILURE: System health detected SVC packet path failure for [chars].

**Explanation** The CSM has been brought down by the System Health monitor. System Health has detected a failure in the packet path between the SVC interface on the CSM and the backplane. This System Health test is run periodically.

**Recommended Action** Issue a “no shutdown” on the SVC interface to bring the node back online. If a subsequent packet path failure occurs, the CSM module should be replaced.

**Message** SVC-2-SVC\_SYSLOG\_URIFS\_FAILURE: [chars] is unreachable for reason: [chars]

**Explanation** SVC interface modflash is not accessible. Modflash is the name of the filesystem local to the SVC interface, and is typically used for core dumps and temporary file transfers.

**Recommended Action** Please shutdown and bring up the SVC interface in question to regain access to the modflash filesystem.

## SVC-3

**Message** SVC-3-NODE\_ERR\_MSG: [chars]

**Explanation** Syslog message from a SVC interface node

**Recommended Action** No action is required.



**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_ACTIVATE\_CLUSTER\_IP\_FAILED) Activate cluster IP failed [chars]

**Explanation** Unable to activate the cluster IP for the config node. It will not be possible to execute configuration commands.

**Recommended Action** 1. Shutting the interfaces of the node will force this node out of the cluster and cause another node to become the config node, which should restore the ability to execute configuration commands. 2. If the error persists, re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 3. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 2 with the latest level of code. 4. If the error continues, ask IBM Product Support for assistance.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_BATT\_FAILURE) Battery Failed [chars]

**Explanation** The battery module on the Caching Services Module has failed. The nodes on the CSM will have shutdown. Other log entries may accompany this error.

**Recommended Action** Reload the Caching Services Module. If the error persists, replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_DISK\_FAILURE) Internal Disk Drive Failed [chars]

**Explanation** The internal disk drive for the node on the Caching Services Module has failed. The node will have shutdown. Other log entries may accompany this error.

**Recommended Action** Reload the Caching Services Module. If the error persists, replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_DUMP\_RESTORE\_FAILED) Restore of hardened data failed [chars]

**Explanation** Restore of customer data failed. This error will be accompanied by other log entries.

**Recommended Action** Examine the log for other error entries and follow the actions recommended. If no other entries are found: 1. Re-install the code on the node. The node will have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance. It may be necessary to replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_INVALID\_BATT\_CAPACITY)  
Get battery capacity failed [chars]

**Explanation** The process was unable to get the battery capacity. Possibly due to communication failures with the CPP processor in the line card. Node was rebooted due to this error.

**Recommended Action** If this error is repeated continuously, 1. Re-install the code on the line card. The node(s) will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error persists, replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_OPEN\_COMMITTED\_FILE\_FAILED) Error attempting to open file [chars]

**Explanation** Process was unable to open the committed file. Node was rebooted due to this error.

**Recommended Action** If this error is repeated continuously, 1. Re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_SET\_BATT\_THRESHOLD\_FAILED) Set battery threshold failed [chars]

**Explanation** The process was unable to set the battery threshold. Possibly due to fatal communication failures with the power management module in the line card or the power management module has crashed. Node was rebooted due to this error.

**Recommended Action** If this error is repeated continuously, 1. Re-install the code on the line card. The node(s) will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error persists, replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_IC\_EV\_NODE\_DISENFRANCHISED)  
Node missing [chars]

**Explanation** A node is missing from the cluster.

**Recommended Action** 1. If it is not obvious which node in the cluster has failed, check the status of the nodes and find the node with a status of offline. 2. Repair the failing node. 3. When the repair has been completed, this error will automatically be marked as fixed. 4. Check the node status. If all the nodes in the cluster are now online, but the error in the log has not been marked as fixed, manually mark the error as fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_PL\_ER\_CLUSTER\_PATH\_FAILURE)  
Cluster path failure [chars]

**Explanation** A cluster path has failed. The node is unable communicate with all the other nodes in the cluster.

**Recommended Action** 1. Repair the fibre-channel network fabric. 2. Check the status of the node port. If the status of the port shows as online, mark the error you have just repaired as fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_PL\_ER\_CPU\_QUANTITY)  
Processor change detected [chars]

**Explanation** The Caching Services Module is failing.

**Recommended Action** 1. Replace the Caching Services Module. 2. Check node status. If all nodes show a status of online, mark the error you have just repaired fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_PL\_ER\_DISK\_FULL) Node hard  
disk full [chars]

**Explanation** The error that is logged in the cluster error log indicates a software problem in the cluster.

**Recommended Action** 1. Ensure that the software is at the latest level on the cluster. 2. Delete files from the /dumps directory. 3. Run a configuration dump and a logged data dump. Save the dump data. 4. Ask IBM Product Support for assistance. 5. Mark the error you have just repaired as fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_PL\_ER\_FC\_ADAP\_FAIL) Logical  
Fibre Channel port reported failed [chars]

**Explanation** No active/functioning logical FC port was detected by the software.

**Recommended Action** Reload the node. If the problem persists, replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_PL\_ER\_FC\_ADAP\_QUANTITY)  
Logical Fibre Channel port missing [chars]

**Explanation** No active/functioning FC port was detected by the software.

**Recommended Action** Reload the node. If the problem persists, replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_PL\_ER\_FC\_PORT\_QUANTITY)  
Logical Fibre Channel port reported not operational [chars]

**Explanation** No active/functioning logical FC port was detected by the software.

**Recommended Action** Reload the node. If the problem persists, replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_PL\_ER\_NODE\_WARMSTART) Node warmstarted due to software error [chars]

**Explanation** The error that is logged in the cluster error log indicates a software problem in the cluster.

**Recommended Action** 1. Ensure that the software is at the latest level on the cluster. 2. Run a configuration dump and a logged data dump. Save the dump data. 3. Ask IBM Product Support for assistance. 4. Mark the error you have just repaired as fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_PL\_ER\_POWER\_DOMAIN) Power domain error [chars]

**Explanation** The two nodes in an IO group are on the same Caching Services Module.

**Recommended Action** Determine what the configuration should be. Remove one of the nodes and add a node to the IO group which is not on the same Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VG\_ER\_MDISK\_GROUP\_OFFLINE) A Managed Disk group is offline [chars]

**Explanation** An Mdisk group is offline.

**Recommended Action** 1. Repair the enclosure or disk controller. 2. Start a cluster discovery operation. 3. Check managed disk status. If all managed disks show a status of online, mark the error you have just repaired as fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VG\_ER\_MED\_ERRS\_TOO\_HIGH) Media errors on back-end Managed Disk [chars]

**Explanation** Media errors on backend managed disk.

**Recommended Action** 1. Repair the enclosure or disk controller. 2. Include the managed disk into the cluster. 3. Check managed disk status. If all managed disks show a status of online, mark the error you have just repaired as fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_BASE\_EVENT\_RESOURCE\_RAN\_OUT) Software error [chars]

**Explanation** The error that is logged in the cluster error log indicates a software problem in the cluster.

**Recommended Action** 1. Ensure that the software is at the latest level on the cluster. 2. Run a configuration dump and a logged data dump. Save the dump data. 3. Ask IBM Product Support for assistance. 4. Mark the error you have just repaired as fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_CONTROLLER\_CONFIG\_INVALID) Incorrect controller configuration [chars]

**Explanation** Incorrect disk controller configuration.

**Recommended Action** 1. Using service documentation for the disk controller, check that the correct configuration is set up for the disk controller. See also the IBM Total Storage SAN Volume Controller for Cisco MDS 9000: Configuration Guide. 2. Mark the error you have just repaired as fixed. 3. Start a cluster discovery operation.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_DEVICE\_PORT\_LOGIN\_LOSS) Number of controller logins reduced [chars]

**Explanation** The number of controller logins has been reduced. One possible cause is that the user intentionally reconfigured the system.

**Recommended Action** 1. Check whether the controller has regained connectivity. If it has not, check the cable connection to the remote-device port. 2. If all logins to a remote-device port have failed and you cannot solve the problem by changing cables, check the condition of the remote-device port and the condition of the remote device. 3. Start a cluster discovery operation. 4. Check the status of the disk controller. If all disk controllers show a good status, mark the error you have just repaired as fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_DEVICE\_RESOURCE\_RAN\_OUT) Too many controllers were presented to the cluster [chars]

**Explanation** The configuration is not valid. Too many devices have been presented to the cluster or node.

**Recommended Action** 1. Remove unwanted devices from the fibre-channel network fabric. 2. Start a cluster discovery operation to find devices. 3. List all connected managed disks. Check with the customer that the configuration is as expected. Mark the error you have just repaired fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_IO\_ERP) Error Recovery Procedure occurred [chars]

**Explanation** A managed disk error recovery procedure (ERP) has occurred. This error has been reported because a large number of disk error recovery procedures have been performed by the disk controller. The problem is probably caused by a failure of some other component on the SAN.

**Recommended Action** 1. View the error log entry and determine the managed disk that was being accessed when the problem was detected. (Note that the sense data from the disk controller is recorded in the cluster error log and can be accessed there. This data is not available in the switch system log.) 2. Perform the disk controller problem determination and repair procedures for the mdisk determined in step 1. 3. Perform fibre channel switch problem determination and repair procedures for the fibre channel switches containing the node, and connected to the disk controller that is managing the mdisk, and any fibre channel switches in the fibre channel path between those switches. 4. If any problems are found and resolved in steps 2 and 3, mark this error as fixed. 5. If no switch or disk controller failures were found in steps 2 and 3, take an error log dump. Call your hardware support center.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_IO\_ERROR) Managed Disk I/O error [chars]

**Explanation** A managed disk or managed disk controller port has been excluded because of excessive errors or unusual behavior.

**Recommended Action** 1. Repair the enclosure or disk controller. 2. Check the managed disk status. If any managed disks show a status of online, mark the error you have just repaired as fixed. If any managed disks show a status of excluded, included the managed disks and then mark the error as fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_IO\_THRESHOLD) Managed Disk error count threshold exceeded [chars]

**Explanation** A managed disk or managed disk controller port has been excluded because of excessive errors or unusual behavior.

**Recommended Action** 1. Repair the enclosure or disk controller. 2. Check the managed disk status. If any managed disks show a status of online, mark the error you have just repaired as fixed. If any managed disks show a status of excluded, included the managed disks and then mark the error as fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_IO\_TIMEOUT\_OVERALL) Timeout due to excessive processing time [chars]

**Explanation** A managed disk has timed out. This error has been reported because a large number of disk timeout conditions have been detected. The problem is probably caused by a failure of some other component on the SAN.

**Recommended Action** 1. Repair problems on all disk controllers and switches on the same SAN as this cluster. 2. If problems are found, mark this error as fixed. 3. If no switch or disk controller failures can be found, take an error log dump and call your hardware support center.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_LOCAL\_PORT\_EXCLUDED) Local FC port excluded [chars]

**Explanation** A local fibre-channel port has been excluded.

**Recommended Action** 1. Repair the fibre-channel network fabric. 2. Check the status of the disk controller. If all disk controllers 3. show good status, mark the error you have just repaired fixed. 4. If the error persists and no other cause can be determined, replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_LOGIN\_EXCLUDED) Login excluded [chars]

**Explanation** Login has been excluded.

**Recommended Action** 1. In the sequence shown, exchange the FRUs for new FRUs: Fibre Channel cable, switch to remote port. 2. Start a cluster discovery operation to recover the login. 3. Check the status of the disk controller. If all disk controllers show a good status, mark the error you have just repaired fixed. 4. If the error persists and no other cause can be determined, replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_LUN\_RESOURCE\_RAN\_OUT) Too many LUNs were presented to a node [chars]

**Explanation** The configuration is not valid. Too many devices have been presented to the cluster or node.

**Recommended Action** 1. Remove unwanted devices from the fibre-channel network fabric. 2. Start a cluster discovery operation to find devices. 3. List all connected managed disks. Check with the customer that the configuration is as expected. Mark the error you have just repaired fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_MDISK\_ACCESS\_INVALID) Access beyond end of disk, or Managed Disk missing [chars]

**Explanation** The error that is logged in the cluster error log indicates a software problem either in the cluster, or in a disk enclosure or disk controller that is connected to the node.

**Recommended Action** 1. Ensure that the software is at the latest level on the cluster and on the disk controllers. 2. Run a configuration dump and a logged data dump. Save the dump data. 3. Ask IBM Product Support for assistance. 4. Mark the error you have just repaired as fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_MDISK\_DEVICE\_PORT\_EXCLUDED) Remote Port excluded for a specific Managed Disk and Node [chars]

**Explanation** A remote fibre-channel port has been excluded.

**Recommended Action** 1. View the error log. Note the Mdisk ID associated with the error code. 2. Using the Mdisk ID, determine the failing disk controller. 3. Refer to the service documentation for the disk enclosure or disk controller and the fibre-channel network fabric to resolve the reported problem. 4. Start a cluster discovery operation to recover the excluded fibre-channel port. 5. Include the managed disk that you noted in step 1. 6. Check the status of the disk controller. If all disk controllers show a good status, mark the error you have just repaired fixed. 7. If all disk controllers do not show a good status, contact the IBM support center to resolve the problem with the disk controller.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_MDISK\_EXCLUDED)  
Managed Disk excluded due to excessive errors, or all device ports excluded [chars]

**Explanation** A managed disk or managed disk controller port has been excluded because of excessive errors or unusual behavior.

**Recommended Action** 1. Repair the enclosure or disk controller. 2. Check the managed disk status. If any managed disks show a status of online, mark the error you have just repaired as fixed. If all managed disks show a status of excluded, included the managed disks and then mark the error as fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_MDISK\_INITIALISE\_INVALID) Invalid blocksize, capacity or LUN identity has changed during Managed Disk initialisation [chars]

**Explanation** Access beyond end of disk. The initialization of the managed disk has failed.

**Recommended Action** 1. Check the status of the managed disk and of the managed-disk group. 2. Include the managed disk into the cluster. 3. Check the managed disk status. If all managed disks show a status of online, mark the error you have just repaired as fixed. 4. If not all managed disks show a status of online, check the status of the disk controller.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_MDISK\_RESOURCE\_RAN\_OUT) Too many Managed Disks were presented to the cluster [chars]

**Explanation** The configuration is not valid. Too many devices have been presented to the cluster or node.

**Recommended Action** 1. Remove unwanted devices from the fibre-channel network fabric. 2. Start a cluster discovery operation to find devices. 3. List all connected managed disks. Check with the customer that the configuration is as expected. Mark the error you have just repaired fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_QUORUM\_DISK\_CREATION\_FAILURE) A suitable Managed Disk for use as a Quorum Disk was not found [chars]

**Explanation** No Mdisk is suitable for use as a quorum disk. When a cluster is created three disks are automatically selected as quorum disks. A quorum disk is needed to enable a tie-break when some cluster members are missing. To become a quorum disk: The Mdisk must be accessible by all nodes in the cluster and the Mdisk must have free extents. This error code is produced when at least one quorum disk is not accessible by all nodes in the cluster. A quorum disk might not be available because of a fibre-channel network failure or because of a fibre-channel switch zoning problem.

**Recommended Action** 1. Resolve any known fibre-channel network problems. 2. Ask the customer to confirm that Mdisks have been created and that those Mdisks have free extents. 3. List the managed disks. If at least one managed disk shows a mode of managed, mark the error you have just repaired as fixed. 4. If the customer is unable to make the appropriate changes, ask IBM Software Support for assistance.



**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_QUORUM\_DISK\_NOT\_AVAILABLE) Quorum Disk not available [chars]

**Explanation** One or more quorum disks were not discovered by the node.

**Recommended Action** 1. Resolve any known fibre-channel network problems. 2. Check managed disk status. If any managed disks are offline or excluded perform the disk controller problem determination and repair procedures for the managed disks. 3. Start a cluster discovery operation. 4. Check managed disk status. If all managed disks show a status of online, mark the error you have just repaired as fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_ALL\_SSH\_KEYS\_REMOVED) Attempt to delete SSH keys (no effect) [chars]

**Explanation** 'svc task rm all ssh keys' command has been invoked. This command has no effect in SAN Volume Controller for Cisco MDS9000, but is retained for compatibility.

**Recommended Action** None

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_CREATEPARTNERSHIP) Remote Copy partnership created [chars]

**Explanation** 'svc task mk partnership' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_DELETEPARTNERSHIP) Remote Copy partnership deleted [chars]

**Explanation** 'svc task mk partnership' or equivalent GUI / Cisco CLI command has been invoked.'

**Recommended Action** None

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_MODIFYPARTNERSHIP) Remote Copy partnership modified [chars]

**Explanation** 'svc task rm all ssh keys' command has been invoked. This command has no effect in SAN Volume Controller for Cisco MDS9000, but is retained for compatibility.

**Recommended Action** None

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_SSH\_KEY\_ADDED) Attempt to add SSH key (no effect) [chars]

**Explanation** 'svc task rm all ssh keys' command has been invoked. This command has no effect in SAN Volume Controller for Cisco MDS9000, but is retained for compatibility.

**Recommended Action** None

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_SSH\_KEY\_REMOVED) Attempt to delete SSH key (no effect) [chars]

**Explanation** 'svc task rm all ssh keys' command has been invoked. This command has no effect in SAN Volume Controller for Cisco MDS9000, but is retained for compatibility.

**Recommended Action** None

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_NODERR\_CR\_START) Cluster recovery required [chars]

**Explanation** The node has detected that cluster recovery is required and is waiting for human intervention to continue.

**Recommended Action** Contact IBM Product support for assistance.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_NODERR\_DATA\_CORRUPT) Node data corrupted - node rejected from cluster [chars]

**Explanation** Node data is readable but corrupted. The node has been rejected from the cluster.

**Recommended Action** 1. Re-install the code on the node. The node will have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance. It may be necessary to replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_NODERR\_DATA\_UNREADABLE) Node data unreadable - node rejected from cluster [chars]

**Explanation** Node data could not be read. The node has been rejected from the from cluster.

**Recommended Action** 1. Re-install the code on the node. The node will have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance. It may be necessary to replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_NODERR\_HDW\_CONFIG) Processor not valid [chars]

**Explanation** The node has detected unexpected differences in the processor vital data.

**Recommended Action** Reload the node. If the problem persists, replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_NODERR\_MEM\_SIZE) Memory size error [chars]

**Explanation** The detected memory size does not match the expected memory size for the cluster.

**Recommended Action** A memory module on the Cisco MDS 9000 Caching Services Module is probably faulty. Reload the node. If the error persists, replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_NODERR\_MISSING\_RES) Unable to form a cluster due to lack of cluster resources [chars]

**Explanation** The node is unable to locate sufficient other nodes in the cluster and/or the quorum disk controller needed in order to form a cluster.

**Recommended Action** Check the status of the quorum disk controller and the other nodes in the cluster. If the quorum disk has failed, perform the problem determination procedures for the disk controller. Otherwise perform problem determination on the missing nodes and network.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_NODERR\_NO\_FABRIC) The node is unable to see the FC fabric [chars]

**Explanation** No active/functioning logical FC port was detected by the software.

**Recommended Action** Reload the node. If the problem persists, replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_NODERR\_PWR\_DMN\_ERR) Power domain error [chars]

**Explanation** The two nodes in an IO group are on the same Caching Services Module.

**Recommended Action** Determine if both nodes on the Caching Services Module are in fact in the same IO group. If so, determine what the configuration should be. Remove one of the nodes and add a node to the IO group which is not on the same Caching Services Module. If not, ask IBM Product Support for assistance.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_NODERR\_REPEATED\_ASSERTS) Node repeatedly crashing due to a software fault [chars]

**Explanation** The number of software faults has exceeded the maximum allowed for the time period.

**Recommended Action** 1. Delete the node from the cluster. 2. Try to add the node back into the cluster. 3. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster with the latest level of code. 4. If the error continues, ask IBM Product Support for assistance.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_NODERR\_RESET\_AND\_REJECT) Node data not found - node rejected from cluster [chars]

**Explanation** Node data was not found. The node has been rejected from the from cluster.

**Recommended Action** Examine error logs to determine if another recorded error caused the loss of the node data and, if so, follow the actions for that error. If no other error was recorded, the node may have lost power without saving data or been reset. Attempt to determine the cause of the power loss or reset. If no cause can be determined, then: 1. Re-install the code on the node. The node will have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance. It may be necessary to replace the Caching Services Module.

**Message** SVC-3-SVC\_SYSLOG\_IF\_INTERNAL\_ERROR: Interface [chars] internal error: [chars]

**Explanation** SVC interface internal error

**Recommended Action** No action is required.

**Message** SVC-3-SVC\_SYSLOG\_LC\_INTERNAL\_ERROR: Unable to send MTS to linecard in slot [dec]: [chars]

**Explanation** Linecard MTS failure

**Recommended Action** No action is required.

**Message** SVC-3-SVC\_SYSLOG\_NPORT\_INTERNAL\_ERROR: [chars] N-port for Interface [chars], vsan [dec] internal error: [chars]

**Explanation** N-port internal error

**Recommended Action** No action is required.

## SVC-4

**Message** SVC-4-NODE\_WARNING\_MSG: [chars]

**Explanation** Syslog message from a SVC interface node

**Recommended Action** No action is required.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_CA\_EV\_FIRST\_DATA\_PINNED)  
Customer data pinned [chars]

**Explanation** There is now pinned customer data. This warning is given when data is pinned and there was not already pinned data. Error log entries will exist for the underlying cause of the pinned data.'

**Recommended Action** Perform problem determination on the error log to determine the cause of the pinned data and correct.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_CA\_EV\_HWS\_TO\_SYNCHRONOUS)  
Cache in write through mode due to pinned data [chars]

**Explanation** The cache must now operate in write through mode because of the amount of pinned data.

**Recommended Action** Perform problem determination on the error log to determine the cause of the pinned data and correct.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec]  
SS\_EID\_EC\_ER\_BATT\_BELOW\_CAPACITY) Battery is below threshold capacity [chars]

**Explanation** Battery capacity is below threshold. The node will remain offline until the battery charge is sufficient to come up.

**Recommended Action** Wait for the battery to recharge. This may take many hours. If after several hours have passed and the node has not yet come up: 1. Reload the node. 2. If the error persists, re-install the code on the line card. The node(s) will then have to be removed and re-added back to the cluster. 3. If the error persists, replace the Caching Services Module.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec]  
SS\_EID\_EC\_ER\_CANNOT\_OPEN\_IO\_PROCESS\_Q) Internal error - IO process queue [chars]

**Explanation** The process was unable to open the needed message queue. Node was rebooted due to this error.

**Recommended Action** If this error is repeated continuously, 1. Re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec]  
SS\_EID\_EC\_ER\_DEACTIVATE\_CLUSTER\_IP\_FAILED) Deactivate cluster IP failed [chars]

**Explanation** Unable to deactivate the cluster IP for the config node. The cluster IP should be deactivated by other checks. If that is not the case it may not be possible to execute configuration commands.

**Recommended Action** If there is a problem executing configuration commands: 1. Shutting the interfaces of the node will force this node out of the cluster and should cause the switch to deactivate the IP address associated with this node which should restore the ability to execute configuration commands. 2. If the error persists, re-install the code on the node. The node will then have to be

removed and re-added back to the cluster. 3. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 2 with the latest level of code. 4. If the error continues, ask IBM Product Support for assistance.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec]  
SS\_EID\_EC\_ER\_DUMP\_METADATA\_FAILED) Node assert dump failed [chars]

**Explanation** A failure occurred writing out a node assert dump. Other log entries may accompany this error.

**Recommended Action** An initial error will have caused the node assert dump. Examine the log for that error and follow the recommended actions for that error. In addition examine the log for errors related to the internal disk drive. If found, follow the recommended actions. If no entries explain the failure to write the dump: 1. Re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance. It may be necessary to replace the Caching Services Module.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_EXECVE\_FAILED)  
Internal error - program launch [chars]

**Explanation** The process was unable to launch the IO program. Node was rebooted due to this error.

**Recommended Action** If this error is repeated continuously, 1. Re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_FORK\_FAILED)  
Internal error - fork failed [chars]

**Explanation** The process was unable to launch the IO program. Node was rebooted due to this error.

**Recommended Action** If this error is repeated continuously, 1. Re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec]  
SS\_EID\_EC\_ER\_INTERNAL\_EXIT\_LOGIC\_ERR) Internal error - bad exit code [chars]

**Explanation** Node was warmstarted due to internal logic error.

**Recommended Action** 1. Ensure that the software is at the latest level on the cluster. 2. Ask IBM Product Support for assistance.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec]  
SS\_EID\_EC\_ER\_INTERNAL\_UNKNOWN\_EXEC\_MODE) Internal error - run mode [chars]

**Explanation** Node was rebooted due to internal logic error.

**Recommended Action** 1. Ensure that the software is at the latest level on the cluster. 2. Ask IBM Product Support for assistance.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec]  
SS\_EID\_EC\_ER\_IOP\_EXITED\_DUE\_TO\_SIGNAL) Internal error - signal caused exit  
[chars]

**Explanation** The IO process exited because of a signal which was not caught. Node was warmstarted due to this error.

**Recommended Action** 1. Ensure that the software is at the latest level on the cluster. 2. Ask IBM Product Support for assistance.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec]  
SS\_EID\_EC\_ER\_IOP\_STOPPED\_DUE\_TO\_SIGNAL) Internal error - signal caused stop  
[chars]

**Explanation** The IO process stopped because of a signal received. Node was warmstarted due to this error.

**Recommended Action** 1. Ensure that the software is at the latest level on the cluster. 2. Ask IBM Product Support for assistance.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec]  
SS\_EID\_EC\_ER\_IOP\_TERMINATED\_ABnormally) Internal error - abnormal exit [chars]

**Explanation** The IO process exited abnormally. Node was warmstarted due to this error.

**Recommended Action** 1. Ensure that the software is at the latest level on the cluster. 2. Ask IBM Product Support for assistance.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec]  
SS\_EID\_EC\_ER\_OPEN\_MSG\_QUEUE\_FAILED) Internal error - message queue [chars]

**Explanation** The process was unable to open the needed message queue. Node was rebooted due to this error.

**Recommended Action** If this error is repeated continuously, 1. Re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec]  
SS\_EID\_EC\_ER\_PTHREAD\_CREATE\_FAILED) Internal error - threads [chars]

**Explanation** The process was unable to create the needed threads. Node was rebooted due to this error.

**Recommended Action** If this error is repeated continuously, 1. Re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec]  
SS\_EID\_EC\_ER\_UNKNOWN\_MESSAGE\_TYPE) Internal error - message type [chars]

**Explanation** Node was rebooted due to internal logic error.

**Recommended Action** 1. Ensure that the software is at the latest level on the cluster. 2. Ask IBM Product Support for assistance.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_WAITPID\_FAILED)  
Internal error - waitpid failed [chars]

**Explanation** The process was unable to launch the IO program properly. Node was warmstarted due to this error.

**Recommended Action** If this error is repeated continuously, 1. Reload the node. 2. If the error persists, re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 3. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 2 with the latest level of code. 4. If the error continues, ask IBM Product Support for assistance.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec]  
SS\_EID\_EC\_ER\_WARMSTART\_MEMORY\_FAILED) Internal error - warmstart memory device  
[chars]

**Explanation** The process was unable to warmstart the memory device. Node was rebooted due to this error.

**Recommended Action** If this error is repeated continuously, 1. Re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance.



**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_FC\_ER\_MAPPING\_STOPPED)  
FlashCopy has been stopped [chars]

**Explanation** A Flash Copy mapping task has been stopped because of an error. A stopped flash copy may affect the status of other VDisks in the same I/O group. Preparing the stopped flash copies as soon as possible is advised.

**Recommended Action** 1. Correct higher priority errors. Then, ask the customer to prepare and start the Flash Copy task again. 2. Mark the error you have just repaired as fixed.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_FC\_ER\_PREPARE\_FAILED)  
FlashCopy prepare failed due to cache flush failure [chars]

**Explanation** A Flash Copy prepare task has failed because a cache flush has failed.

**Recommended Action** 1. Correct higher priority errors, then retry the prepare tasks. 2. Mark the error you have just repaired as fixed.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_FC\_ER\_STOP\_COMPLETED)  
Flash Copy Stopped [chars]

**Explanation** The Flash Copy mapping or consistency group has entered the STOPPED state as a result of a user request to stop.

**Recommended Action** None

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec]  
SS\_EID\_IC\_ER\_DIRECTORY\_LIST\_FAILED) Failed to obtain directory listing from  
remote node [chars]

**Explanation** An attempt to clean or retrieve files from /dumps directory has failed because of a failure to get listing of the directory from the remote node.

**Recommended Action** Determine if the remote node is still online. If not, perform problem determination on the remote node. If it is, retry the command. If it still fails contact the IBM Support Center for assistance. Cisco CLI commands may be used to access the node directly as an alternative.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec]  
SS\_EID\_IC\_ER\_FEATURISATION\_VIOLATION) Featurisation violation [chars]

**Explanation** The user has allocated more visualized storage than licensed for or established a Flash Copy mapping or Remote Copy relationship when these have not been licensed.

**Recommended Action** Look in the featurisation log for log entries of type Error to determine the type of violation. The user then should the neither reduce visualized storage, remove the Flash Copy mapping or Remote Copy relationship, so as to be in compliance with their license; or update the license information if that is incorrect; or arrange with their IBM representative to purchase a license for the desired features.'

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_IC\_ER\_TRANSFER\_FILE\_FAILED) Failed to transfer file from remote node [chars]

**Explanation** An attempt to retrieve a file from /dumps directory has failed.

**Recommended Action** Determine if the remote node is still online. If not, perform problem determination on the remote node. If it is, retry the command. If it still fails contact the IBM Support Center for assistance. Cisco CLI commands may be used to access the node directly as an alternative.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_IC\_EV\_IOGRP\_NONE\_OK) Both nodes in the IO group are not available [chars]

**Explanation** Following node remove by the user, there are no nodes left in the IO group.

**Recommended Action** None

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_IC\_EV\_UPGRADE\_NODE\_PENDED) Software upgrade process failed [chars]

**Explanation** A software upgrade has failed. This might be because of a hardware error or it might be because of a failure in the new version of the software. An automatic software downgrade is performed to restore the nodes to their previous software version. This will be indicated in the log by a 'Software down grade complete' entry. If the down grade operation fails to down grade a node, for example because it is offline, the down load operation will stop and wait for the offline SAN Volume Controller to be repaired or deleted from the cluster. While the down grade operation is in progress, configuration commands sent to the cluster will fail with a message indicating that a software upgrade operation is still in progress. The downgrade operation might take up to three hours.

**Recommended Action** 1. Display the status of the nodes on the cluster. 2. If any node is offline, delete the offline node from the cluster. If the delete fails with a message indicating that a software upgrade is in progress, this means that the downgrade process is still active. Wait for this operation to either complete or stop on the offline node and then retry the delete. If the downgrade operation had stopped, it will now continue. 3. Solve all logged hardware problems 4. Ask the user to retry the software install. 5. If the installation fails again, report the problem to your software support center. 6. Mark the error you have just repaired as fixed.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_IC\_EV\_UPGRADE\_PCK\_DELIVERY\_FAILED) Software install package cannot be delivered to all nodes [chars]

**Explanation** An error occurred while sending the software package to the nodes.

**Recommended Action** 1. Display the status of the nodes on the cluster. 2. If any node is offline, perform problem determination on the node and bring the node back online. Or, alternatively, delete the offline node from the cluster. 3. Retry the software retry the delete. If the downgrade operation had stopped, it will now continue. 3. Solve upgrade command. 4. If the installation fails again, report the problem to your software support center.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_PL\_ER\_PLIC\_LINK) Connection to a configured remote cluster has been lost [chars]

**Explanation** This cluster is no longer able to communicate with the remote copy partner cluster.

**Recommended Action** Perform problem determination on the network and the other cluster.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_RC\_ER\_LSYNC) Remote Copy suffered loss of synchronization [chars]

**Explanation** In a remote-copy operation, the relationship has stopped and lost synchronization, for a reason other than a continuous I/O error.

**Recommended Action** 1. Correct higher priority errors, then restart the remote copy. 2. Mark the error you have just repaired as fixed.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_RC\_ER\_PERS) Remote Copy suffered persistent error [chars]

**Explanation** A Remote Copy relationship has been stopped because of a continuous I/O error.

**Recommended Action** 1. Correct the higher priority errors, then retry the Remote Copy task. 2. Mark the error you have just repaired as fixed.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_RC\_ER\_TIMEOUT) Remote Copy retry timeout [chars]

**Explanation** Remote Copy was unable to find a path to the device in the remote cluster within the timeout period.

**Recommended Action** Perform problem determination on the network and remote cluster: Ensure that all nodes in both clusters are configured in the inter-cluster SAN or VSAN. Ensure that all virtual disks in the remote cluster are online.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_VG\_ER\_COPIED\_MEDIUM\_ERROR) I/O media error copied [chars]

**Explanation** During a copy or a migrate process a media error was copied to the destination disk.

**Recommended Action** None

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_VG\_ER\_INSUFFICIENT\_VIRTUAL\_EXTENTS) Insufficient extents to create Virtual Disk [chars]

**Explanation** There are not enough extents contained within the managed disk group to create the required virtual disk. This error can be logged if a migration is started and then a virtual disk is created which uses the extents that were to be used for the migration.

**Recommended Action** Add additional managed disks to the managed disk group or reduce the size of virtual disk to be created.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_VG\_ER\_MIGRATE\_STOPPED) Migration stopped [chars]

**Explanation** The specific migration has been stopped due to errors occurring during migration, these errors have been logged.

**Recommended Action** Analyze the error log. Perform problem determination and correct any errors which have occurred. Migrate any specific extents which were not migrated due to the errors.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_VG\_ER\_MIGRATE\_SUSPENDED) Migration suspended [chars]

**Explanation** Migration suspended.

**Recommended Action** 1. Ensure that all error codes of a higher priority have already been fixed. 2. Ask the customer to ensure that all Mdisk groups that are the destination of suspended migrate operations have free extents available. 3. Mark this error as fixed. This will cause the migrate operation to be restarted. If the restart fails a new error will be logged.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_IO\_MEDIUM\_ERROR) A media error has occurred during I/O to a Managed Disk [chars]

**Explanation** A disk I/O medium error has occurred.

**Recommended Action** 1. Ask the customer to rewrite the bad data to the block LBA reported in the host systems SCSI sense data. Note: If this error has occurred during a migration, the host system will notice the error until the target device is accessed. 2. Check managed disk status. If all managed disks show a status of online, mark the error you have just repaired as fixed.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_IO\_THRESHOLD\_WARNING) Managed Disk error count warning threshold met [chars]

**Explanation** IOs to the managed disk have experienced sufficient errors to generate this warning. If the managed disk continues to experience IO errors, the managed disk may be excluded.

**Recommended Action** Perform problem determination on the affected managed disk.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_LUN\_DISCOVERY\_FAILED) Discovery of LUN failed [chars]

**Explanation** The cluster has a connection to the device on the SAN through this node, but the device has not responded to the node in a manner consistent with a functional device LUN.

**Recommended Action** If there are device LUNs that should have been discovered by the node: 1) Perform a manual discovery. 2) Perform problem determination on the device.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_MDISK\_PORT\_PREFERENCE\_IGNORED) Preferred port is not being used for Managed Disk access [chars]

**Explanation** The preferred port designated by the back end controller is not being used for Managed Disk access. A port error or excluded port has prevented the use of the preferred port.

**Recommended Action** Perform problem determination on the controller and network to determine the cause of the port error or exclusion.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_NODERR\_CR\_FAILED) Cluster recovery failed [chars]

**Explanation** Cluster recovery has failed and a software dump has been created.

**Recommended Action** Contact IBM Product support for assistance.

**Message** SVC-4-SVC\_SYSLOG\_IF\_INTERNAL\_WARN: Interface [chars] internal warning: [chars]

**Explanation** SVC interface internal warning

**Recommended Action** No action is required.

**Message** SVC-4-SVC\_SYSLOG\_NPORT\_INTERNAL\_WARN: [chars] N-port for Interface [chars], vsan [dec] internal warning: [chars]

**Explanation** SVC interface internal warning

**Recommended Action** No action is required.

## SVC-5

**Message** SVC-5-NODE\_NOTICE\_MSG: [chars]

**Explanation** Syslog message from a SVC interface node

**Recommended Action** No action is required.

**Message** SVC-5-SVC\_SYSLOG\_IF\_CONFIG\_DELETED: Interface [chars] configuration was deleted [chars]

**Explanation** SVC interface configuration was deleted

**Recommended Action** No action is required.

**Message** SVC-5-SVC\_SYSLOG\_IF\_DOWN: Interface [chars] is down

**Explanation** SVC interface is down

**Recommended Action** No action is required.

**Message** SVC-5-SVC\_SYSLOG\_IF\_UP: Interface [chars] is up

**Explanation** SVC interface is up

**Recommended Action** No action is required.

## SVC-6

**Message** SVC-6-NODE\_INFO\_MSG: [chars]

**Explanation** Syslog message from a SVC interface node

**Recommended Action** No action is required.

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_CA\_EV\_ALL\_DATA\_UNPINNED)  
All data now unpinned [chars]

**Explanation** All the customer data in the IO group is now unpinned.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_CA\_EV\_HWS\_TO\_ASYNCHRONOUS)  
Pinned data reduced; cache can operate normally [chars]

**Explanation** Enough customer data has been unpinned that the cache is no longer required to operate in write through mode because of the pinned data. (Note that the cache may still operate in write through mode for other reasons.)

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_BATT\_OK) Battery  
recharged [chars]

**Explanation** Battery capacity has been restored to above threshold. The node will now come online.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_BATT\_POWER\_DOWN) Poweroff or power failure detected [chars]

**Explanation** The process has received a Poweroff or power failure indication. The node is shutting down.

**Recommended Action** Restore power. If power was not removed and this occurs: 1. Reload the node. 2. If the error persists, re-install the code on the line card. The node(s) will then have to be removed and re-added back to the cluster. 3. If the error persists, replace the Caching Services Module.

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_PWR\_BUTTON) Power withdrawn [chars]

**Explanation** Node software was notified that AC power was being shut off or the Caching Services Module was being reset.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_FC\_ER\_COPY\_COMPLETED) Flash Copy Copied [chars]

**Explanation** The Flash Copy mapping or consistency group has entered the IDLE\_COPIED state. The target disk now contains a complete copy and is no longer dependent on the source.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_FC\_ER\_PREPARE\_COMPLETED) Flash Copy Prepared [chars]

**Explanation** The Flash Copy mapping or consistency group has entered the PREPARED state. It is now possible to Start or Stop the mapping/group.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_IC\_EV\_CLUSTER\_RECOVERY\_COMPLETE) Cluster recovery completed [chars]

**Explanation** Cluster recovery has completed successfully.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_IC\_EV\_IOGRP\_ONE\_OK) One node in the IO group is not available [chars]

**Explanation** Following node remove by the user, there is only one node left in the IO group.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_IC\_EV\_SECURE\_DELETE\_COMPLETE) Virtual Disk format completed [chars]

**Explanation** The formatting (writing all zeros) to new extents of the Virtual Disk has completed.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_PL\_ER\_COLDSTART) Node software started [chars]

**Explanation** The node software has been started (cold start).

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_RC\_ER\_COPY\_COMP) Remote Copy complete [chars]

**Explanation** Background copy complete. The standalone relationship or consistency group has transitioned from Inconsistent Copying 'to' Consistent Synchronized'. This will only be logged on the cluster of the Primary Virtual Disk(s).'

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_RC\_ER\_READY\_TO\_START) Remote Copy ready to start [chars]

**Explanation** The remote copy relationship or consistency group, which had been previously been stopped due to an error, is ready to be restarted. All resources are now online.

**Recommended Action** Restart the relationship or consistency group.

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_VG\_EV\_MIGRATE\_COMPLETE) Migration complete [chars]

**Explanation** Migration has completed.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_CLUSTER\_FABRIC\_VIEW\_CHANGE) Cluster fabric view has been updated. [chars]

**Explanation** The node is in the process of discovering devices on the fabric.

**Recommended Action** None



**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_ADD\_MAPPING) Virtual Disk to Host SCSI mapping created [chars]

**Explanation** svc task MKY disk host map or equivalent GUI/ Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_ADD\_WWPN) Port added to a Host [chars]

**Explanation** svc task add host port or equivalent GUI/Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_CHANGE\_CLUSTER\_TIME) Attempt to change cluster time (no effect) [chars]

**Explanation** 'svc task rm all ssh keys' command has been invoked. This command has no effect in SAN Volume Controller for Cisco MDS9000, but is retained for compatibility.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_CHANGE\_TIMEZONE) Attempt to change time zone (no effect) [chars]

**Explanation** 'svc task rm all ssh keys' command has been invoked. This command has no effect in SAN Volume Controller for Cisco MDS9000, but is retained for compatibility.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_CLUSTER\_DISCOVERY) Manual Managed Disk discovery invoked [chars]

**Explanation** 'SVC task detect Mdisk' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_CLUSTER\_DUMP\_CONFIG) Cluster config dumped to file [chars]

**Explanation** 'svc task dump config' or equivalent GUI / Cisco CLI command has been invoked'

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_CLUSTER\_MODIFY) Cluster attributes modified [chars]

**Explanation** 'svc task chcluster' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_CLUSTER\_SHUTDOWN) Node or Cluster shutdown [chars]

**Explanation** 'svc task stop cluster' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_CREATE\_FC\_MAPPING) Flash Copy mapping created [chars]

**Explanation** 'svc task mk fc map' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_CREATE\_HOST) Host created [chars]

**Explanation** 'svc task mk fc map' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_DELETE\_FC\_MAPPING) Flash Copy mapping deleted [chars]

**Explanation** 'svc task mk fc map' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_DELETE\_HOST) Hosts deleted [chars]

**Explanation** 'svc task rm host' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_DELETE\_MAPPING) Virtual Disk to Host SCSI mapping deleted [chars]

**Explanation** 'svc task rm vdisk host map' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_DELETE\_PORT\_HOST\_LIST) Ports deleted from a Host [chars]

**Explanation** 'svc task rm host port' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_DELETE\_WWPN) Port deleted from a Host [chars]

**Explanation** 'svc task rm host port' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_DEVICE\_SET\_NAME) Controller attributes modified [chars]

**Explanation** 'svc task ch controller' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_ERRORLOG\_ANALYSE) Error log analyzed [chars]

**Explanation** 'svc task find err' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_ERRORLOG\_CLEARLOG) Error log cleared [chars]

**Explanation** 'svc task clear err log' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_ERRORLOG\_DUMPLOG) Error log dumped [chars]

**Explanation** 'svc task dump err log' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_ERRORLOG\_FIX) Error log entry marked fixed [chars]

**Explanation** 'svc task ch err state' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_FC\_CONSIST\_GRP\_SET\_NAME) Flash Copy consistency group name modified [chars]

**Explanation** 'svc task ch fc consist grp-name' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_FC\_CREATE\_CONSIST\_GRP) Flash Copy consistency group created [chars]

**Explanation** 'svc task mk fc consist grp' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_FC\_DELETE\_CONSIST\_GRP) Flash Copy consistency group deleted [chars]

**Explanation** 'svc task rm consist grp' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_FC\_SET\_NAME) Flash Copy mapping name modified [chars]

**Explanation** 'svc task ch fc map-name' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_FEATURISATION\_CHANGED) Licensed settings modified [chars]

**Explanation** 'svc task ch license' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_FLASH\_PREPARE\_CG) Flash Copy consistency group prepared [chars]

**Explanation** 'svc task per start fc consist grp' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_FLASH\_START\_CG) Flash Copy consistency group started [chars]

**Explanation** 'svc task start fc consist grp' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_FLASH\_STOP\_CG) Flash Copy consistency group stopped [chars]

**Explanation** 'svc task stop fc consist grp' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_HOST\_DELETE) Host deleted [chars]

**Explanation** 'svc task rm host' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_HOST\_SET\_NAME) Host attributes modified [chars]

**Explanation** 'svc task ch host' or equivalent GUI / Cisco CLI command has been invoked.'

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_HWS\_SET\_NAME) IO Group name modified [chars]

**Explanation** 'svc task ch iogrp' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_IO\_TRACE\_FINISHED) IO Tracing stopped [chars]

**Explanation** 'svc task stop trace' or equivalent GUI / Cisco CLI command has been invoked, or the trigger occurred for a given Managed Disk, automatically stopping the trace.

**Recommended Action** Analyses the traces.

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_MDISK\_GRP\_ADD\_MDISK) Managed Disk added to Managed Disk group [chars]

**Explanation** svc task add Mdisk or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_MDISK\_GRP\_CREATE) Managed Disk Group created [chars]

**Explanation** svc task add Mdisk or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_MDISK\_GRP\_DELETE) Managed Disk Group deleted [chars]

**Explanation** svc task add Mdisk or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_MDISK\_GRP\_DELETE\_MDISK) Managed Disk deleted from Managed Disk group [chars]

**Explanation** svc task add Mdisk or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_MDISK\_GRP\_SET\_NAME) Managed Disk Group attributes modified [chars]

**Explanation** svc task add Mdisk or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_MDISK\_SET\_NAME) Managed Disk attributes modified [chars]

**Explanation** svc task add Mdisk or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_MDISK\_UNSLANDER) Managed Disk online [chars]

**Explanation** The managed disk which was excluded is now online.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_MIGRATE) Virtual Disk migration to new Managed Disk group started [chars]

**Explanation** svc task add Mdisk or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_MODIFY\_FC\_MAPPING) Flash Copy mapping modified [chars]

**Explanation** 'svc task ch fc map' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_NODE\_ADD) Node added [chars]

**Explanation** 'svc task add node' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_NODE\_CREATE\_CLUSTER) Cluster created [chars]

**Explanation** 'cluster add' or equivalent GUI command has been invoked.'

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_NODE\_DELETE) Node deleted from cluster [chars]

**Explanation** 'svc task rm node' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_NODE\_PEND) Node Pend [chars]

**Explanation** The node has gone into the pending state. It will shortly go into the online or offline state.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_NODE\_REMOVE) Node leaving cluster (expected) [chars]

**Explanation** The node has gone offline as expected due to shutdown, upgrade or deletion.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_NODE\_SET\_NAME) Node attributes modified [chars]

**Explanation** 'svc task ch node' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_NODE\_SHUTDOWN) Node shutdown [chars]

**Explanation** 'svc task stop cluster-node' or equivalent GUI / Cisco CLI command has been invoked.'

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_NODE\_UNPEND) Node Unpend [chars]

**Explanation** The node has gone online.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_PLANAR\_SN\_CHANGE)  
Attempt to change the Planar Serial Number (no effect) [chars]

**Explanation** 'svc task rm all ssh keys' command has been invoked. This command has no effect in SAN Volume Controller for Cisco MDS9000, but is retained for compatibility.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_PRETRIGGER\_FC\_MAPPING)  
Flash Copy mapping prepared [chars]

**Explanation** 'svc task pre start fc map' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_QUORUM\_CREATE) Quorum  
disk set [chars]

**Explanation** 'svc task set quorum' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_CREATECONSTGRP)  
Remote Copy consistency group created [chars]

**Explanation** 'svc task mk rc consist grp' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_CREATEREL )  
Remote Copy relationship created [chars]

**Explanation** 'svc task mk rc relationship' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_DELETECONSTGRP)  
Remote Copy consistency group deleted [chars]

**Explanation** 'svc task rm consist grp' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_DELETEREL)  
Remote Copy relationship deleted [chars]

**Explanation** 'svc task rm rc relationship' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None



**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_MODIFYCONSTGRP) Remote Copy consistency group modified [chars]

**Explanation** 'svc task ch rc consist grp' or equivalent GUI / Cisco CLI command has been invoked.'

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_MODIFYREL) Remote Copy relationship modified [chars]

**Explanation** 'svc task ch rc relationship' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_START) Remote Copy relationship started [chars]

**Explanation** 'svc task start rc relationship' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_START\_CG) Remote Copy consistency group started [chars]

**Explanation** 'svc task start rc consist grp' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_STOP) Remote Copy relationship stopped [chars]

**Explanation** 'svc task stop rc relationship' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_STOP\_CG) Remote Copy consistency group stopped [chars]

**Explanation** 'svc task stop rc consist grp' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_SWITCH) Remote Copy relationship switched [chars]

**Explanation** 'svc task switch rc relationship' or equivalent GUI / Cisco CLI command has been invoked.'

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_SWITCH\_CG)  
Remote Copy consistency group switched [chars]

**Explanation** 'svc task switch rc consist grp' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_SERVICE\_APPLY\_SOFTWARE)  
Software upgrade command accepted [chars]

**Explanation** cluster upgrade svc-system' or equivalent GUI command has been invoked. The command has been accepted. Additional log entries will track the progress of the upgrade.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_STOP\_FC\_MAPPING) Flash  
Copy mapping stopped [chars]

**Explanation** 'svc task stop fc map' or equivalent GUI / Cisco CLI command has been invoked.'

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_TRIGGER\_FC\_MAPPING)  
Flash Copy mapping started [chars]

**Explanation** 'svc task start fc map' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_UPGRADE\_BACKED\_OFF)  
Software downgrade complete [chars]

**Explanation** The software upgrade process failed and all nodes have been restored to the previous level of code.

**Recommended Action** Perform problem determination on the cause of the upgrade failure and take corrective action before retrying the upgrade.

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_UPGRADE\_COMPLETED)  
Software upgrade complete [chars]

**Explanation** All nodes have successfully moved to the new code level, which will now be committed.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_UPGRADE\_STARTED) Software upgrade started [chars]

**Explanation** The software upgrade process has started (the first node is about to be upgraded).

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_VDISK\_CREATE) Virtual Disk created [chars]

**Explanation** 'svc task mk vdisk' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_VDISK\_DELETE) Virtual Disk deleted [chars]

**Explanation** 'svc task rm vdisk' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_VDISK\_EXPAND) Virtual Disk expanded [chars]

**Explanation** 'svc task expand vdisk size' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_VDISK\_EXPAND\_SINGLE\_EXT) Virtual Disk expanded by single extent [chars]

**Explanation** 'svc task add vdisk ext' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_VDISK\_MIGRATE\_EXTENT) Extent migration started [chars]

**Explanation** 'svc task migrate exts' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_VDISK\_MIGRATE\_EXTENTS) Extent migration started [chars]

**Explanation** 'svc task migrate exts' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_VDISK\_MODIFY\_GOVERN) Virtual Disk throttling rate modified [chars]

**Explanation** 'svc task ch vdisk-rate' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_VDISK\_MOVE\_HWS) Virtual Disk IO Group changed [chars]

**Explanation** 'svc task ch vdisk-iogrp' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_VDISK\_SET\_NAME) Virtual Disk name modified [chars]

**Explanation** 'svc task ch vdisk-name' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_VDISK\_SHRINK) Virtual Disk shrunk [chars]

**Explanation** 'svc task shrink vdisk size' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-SVC\_SYSLOG\_CL\_CONFIG: Node [chars] has become config node of cluster [chars]

**Explanation** SVC interface has become cluster config node

**Recommended Action** No action is required.

**Message** SVC-6-SVC\_SYSLOG\_CL\_JOIN: Node [chars] has joined cluster [chars]

**Explanation** SVC interface has joined cluster

**Recommended Action** No action is required.

**Message** SVC-6-SVC\_SYSLOG\_CL\_UNJOIN: Node [chars] has left cluster [chars]

**Explanation** SVC interface has left cluster

**Recommended Action** No action is required.

**Message** SVC-6-SVC\_SYSLOG\_LC\_WWN\_PURGE: All WWNs for module [dec] have been purged [chars]

**Explanation** SVC linecard has purged all WWNs

**Recommended Action** No action is required.

**Message** SVC-6-SVC\_SYSLOG\_VSAN\_INACTIVE: Vsan [dec] suspended

**Explanation** Vsan was suspended; can cause warnings

**Recommended Action** No action is required.

## SVC-7

**Message** SVC-7-NODE\_DEBUG\_MSG: [chars]

**Explanation** Syslog message from a SVC interface node

**Recommended Action** No action is required.

## SWITCH Messages

This section contains the SWITCH messages.

### SWITCH\_ZONEMEMBER\_FAN\_OUT\_RATIO\_LIMIT

**Message** SCRIPT-INFO: ZONE-2-SWITCH\_ZONE\_MEMBER\_RATIO: VSAN-[dec]: Zoneset [char] has [dec] devices that exceed the zone member ratio of 1:[dec].

**Explanation** Configured limit for the Zone member fan-out ratio exceeded : [chars].

**Recommended Action** Reconfigure the zoneset with smaller fan-out for the affected end devices so they avoid degraded performance.

## SYSMGR Messages

This section contains the SYSMGR messages.

## SYSMGR-2

**Message** SYSMGR-2-ACTIVE\_LOWER\_MEM\_THAN\_STANDBY: Active supervisor in slot [dec] is running with less memory than standby supervisor in slot [dec].

**Explanation** Supervisor memory mismatch

**Recommended Action** No action is required.

**Message** SYSMGR-2-BOOTSCOPE\_HANDSHAKE: Service [chars] is in the boot scope, but tried a regular handshake. Discarding request.

**Explanation** A service is trying to take actions that belong to a different class of services.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-CFGERASE\_ABORTED: Write erase aborted.

**Explanation** Write erase has failed.

**Recommended Action** Please verify the other syslog messages printed correct the problem, and try again.

**Message** SYSMGR-2-CFGSNAPSHOT\_ABORTED\_DIR: Unable to open the configuration directory. Aborting configuration snapshot.

**Explanation** The destination location for the snapshot-config could not be found.

**Recommended Action** If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.

**Message** SYSMGR-2-CFGSNAPSHOT\_ABORTED\_INIT: Unable to initialize the configuration directory (error-id [hex]). Aborting configuration snapshot.

**Explanation** An attempt to copy the startup-config to snapshot-config has failed because the old data could not be removed.

**Recommended Action** If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.

**Message** SYSMGR-2-CFGSNAPSHOT\_ABORTED: Configuration snapshot aborted.

**Explanation** An attempt to save a snapshot of the startup-config has failed.

**Recommended Action** Please verify the other syslog messages printed correct the problem, and try again.

**Message** SYSMGR-2-CFGSYNC\_FAILURE: Syncing of the configuration to the standby failed.

**Explanation** Syncing of the configuration to the standby failed.

**Recommended Action** Please verify the other syslog messages printed correct the problem, and try again.

**Message** SYSMGR-2-CFGWRITE\_ABORTED\_DIR: Unable to open the configuration directory. Aborting configuration copy.

**Explanation** The destination location for the startup-config could not be found.

**Recommended Action** If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.

**Message** SYSMGR-2-CFGWRITE\_ABORTED\_INIT: Unable to initialize the configuration directory (error-id [hex]). Aborting configuration copy.

**Explanation** An attempt to copy the running-config to startup-config has failed because the old data could not be removed.

**Recommended Action** If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.

**Message** SYSMGR-2-CFGWRITE\_ABORTED\_LABEL: Unable to label the new configuration (error-id [hex]). Aborting configuration copy.

**Explanation** An attempt to copy the running-config to startup-config has failed because the new startup-config could not be stamped.

**Recommended Action** If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.

**Message** SYSMGR-2-CFGWRITE\_ABORTED\_LOCK: Unable to lock the configuration (error-id [hex]). Aborting configuration copy.

**Explanation** An attempt to copy the running-config to startup-config has failed because the system could not lock the required configuration items.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-CFGWRITE\_ABORTED\_LOG: Unable to open a log file for the new configuration: [chars] (error-id [hex]). Aborting configuration copy.

**Explanation** An attempt to copy the running-config to startup-config has failed because a log file could not be created.

**Recommended Action** If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.

**Message** SYSMGR-2-CFGWRITE\_ABORTED: Configuration copy aborted.

**Explanation** A configuration copy has failed.

**Recommended Action** Please verify the other syslog messages printed correct the problem, and try again.

**Message** SYSMGR-2-CFGWRITE\_TIMEOUT\_ABORT: Configuration copy aborted by timeout.

**Explanation** A service failed to store its configuration in the timeout period. The operation has been aborted.

**Recommended Action** No action is required.

**Message** SYSMGR-2-CFGWRITE\_USER\_ABORT: Configuration copy aborted by the user.

**Explanation** The user typed CTRL+C while the configuration was being saved, and the operation has been aborted.

**Recommended Action** No action is required.

**Message** SYSMGR-2-CONVERT\_FUNC\_FAILED: Conversion function failed for service "[chars]" (error-id [hex]).

**Explanation** This message indicates that the conversion function failed for this service.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-CONVERT\_FUNC\_NOTFOUND: Conversion function not found for service "[chars]" .

**Explanation** This message indicates that the system could not find appropriate conversion function for this service.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-CONVERT\_LIB\_NOTFOUND: Conversion library not found for service "[chars]" .

**Explanation** This message indicates that the system could not find conversion library for this service.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.



**Message** SYSMGR-2-CONVERT\_STARTUP\_ABORTED: Conversion of startup-config failed.

**Explanation** This message indicates that the conversion of startup configuration was aborted.

**Recommended Action** If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.

**Message** SYSMGR-2-CONVERT\_ZIPPING\_FAILED: Failed to zip the converted startup configuration.

**Explanation** This message indicates that conversion of the startup configuration failed when system was trying to zip the converted configuration.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-CORE\_SAVE\_FAILED: [chars]: PID [dec] with message [chars].

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-2-CREATE\_DONEFILE\_FAILED: Creating /var/run/sysmgr.initdone failed with return value: ([dec]).

**Explanation** The initialization of the system could not complete.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-DELETE\_BINARY\_STARTUP\_FAILED: Deletion of binary startup config failed during boot (error-id [hex]).

**Explanation** This message indicates that the deletion of the binary startup configuration failed during boot.

**Recommended Action** If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.

**Message** SYSMGR-2-FEATURE\_SET\_NOT\_DISABLED\_SRVS: vdc [dec]: feature-set 0x%llx: Following services did not cleanup: [chars]

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-2-FEATURE\_SET\_SRVTIMEOUT: vdc [dec]: feature-set 0x%llx [chars]: Following services did not respond in time: [chars]

**Explanation** The services did not handshake with sysmgr in time

**Recommended Action** No action is required.

**Message** SYSMGR-2-FEATURE\_SET\_UNGRACEFUL\_DISABLE\_FAILED\_SRVS: vdc [dec]: feature-set 0x%llx: Following services did not exit even after SIGKILL: [chars]

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-2-FORMAT\_FAILURE\_SUP\_RESET: Failure to format a partition successfully causing sup to reset.

**Explanation** The partition used to store non-volatile pss files could not be formatted successfully. The supervisor will be reset.

**Recommended Action** If the problem persists, please contact customer support.

**Message** SYSMGR-2-GSYNC\_ABORT: Global sync aborted by signal.

**Explanation** The initial synchronization of the services has been aborted. The synchronization will be attempted again later.

**Recommended Action** Use the command reload module <mod>

**Message** SYSMGR-2-GSYNC\_GET\_TIMEOUT: Request for global sync for UUID [hex] not completed in specified time.

**Explanation** Service failed to complete global sync in specified time. The standby will no longer act as a HA standby.

**Recommended Action** If the problem persists, please contact customer support.

**Message** SYSMGR-2-GSYNC\_READY\_SRVFAILED: Service "[chars]" on standby supervisor failed to restore its snapshot (error-id [hex]).

**Explanation** The initial synchronization of service [chars] has failed.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-GSYNC\_SNAPSHOT\_SRVFAILED: Service "[chars]" on active supervisor failed to store its snapshot (error-id [hex]).

**Explanation** The initial synchronization of service [chars] has failed.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-HANDSHAKE\_FAILED: Handshake with service "[chars]" in vdc [dec] failed since send failed: [chars] (error-id [hex]).

**Explanation** Handshake with a service failed since system manager could not send handshake response to it.

**Recommended Action** No action is required.

**Message** SYSMGR-2-HASWITCHOVER\_PRE\_START: This supervisor is becoming active (pre-start phase).

**Explanation** A cold switchover has started (pre-start phase).

**Recommended Action** When the other supervisor is back online, use the command 'show system reset-reason' to know what caused the switch over.

**Message** SYSMGR-2-HASWITCHOVER\_START: Supervisor [dec] is becoming active.

**Explanation** A cold switchover has started.

**Recommended Action** When the other supervisor is back online, use the command 'show system reset-reason' to know what caused the switch over.

**Message** SYSMGR-2-HEARTBEAT\_FAILED: Sysmgr heartbeat failed at %lu. [chars]. [chars] ([dec])

**Explanation** System manager had failure while trying to heartbeat with KLM

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-INBAND\_START\_FAILED: Failure while bringing up inband after ISSU reboot, errno: [dec].

**Explanation** Sysmgr tried to bring up in band after ISSU reboot, but the call returned error.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-INVALID\_HANDSHAKE: Invalid secret ([dec]) received from service [chars]. Expected [dec].

**Explanation** A service cannot be started.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-INVALID\_SYSMGRCONF: [chars]: invalid configuration file "[chars]": [chars] (error-id [hex]).

**Explanation** The system image contains an inconsistent list of services. The initialization of the system cannot proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-INVALID\_VERSIONMSG: The remote System Manager ([chars]) declares itself in the same state as this System Manager ([chars]).

**Explanation** The redundancy state negotiation between the two supervisors failed.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-ISSU\_FAILED: The ISSU has failed: [chars] (error-id [hex])

**Explanation** The ISSU has failed and the switch need to be rebooted.

**Recommended Action** No action is required.

**Message** SYSMGR-2-LAST\_CORE\_BASIC\_TRACE: [chars]: PID [dec] with message [chars].

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-2-MSG\_SEND\_FAILURE\_STANDBY\_RESET: Failure in sending message to standby causing standby to reset.

**Explanation** We will be resetting the standby since mts on the active is unable to send a message to standby.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-MTS\_FLUSH\_SYNC\_QUEUE\_FAILURE: flush mts sync queue failed with [chars] (errno [dec])

**Explanation** Calling mts\_flush\_sync\_queue to guarantee no outstanding messages. the failure might affect HA

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-NON\_VOLATILE\_DB\_FULL: System non-volatile storage usage is unexpectedly high at [dec]%.

**Explanation** System non-volatile storage space is almost full.

**Recommended Action** Please run the command clear processes log pid<pid>

**Message** SYSMGR-2-NON\_VOLATILE\_DB\_INODE\_FULL: System non-volatile inode storage usage is unexpectedly high at [dec]%.

**Explanation** System non-volatile inode storage space is almost full.

**Recommended Action** Please run the command clear processes log pid<pid>

**Message** SYSMGR-2-ONBOARD\_FAILURE\_LOGGING\_FULL: Onboard failure logging usage is unexpectedly high at [dec]%.

**Explanation** Onboard failure logging space is almost full.

**Recommended Action** Please run the command clear logging on board. If this message continues to persist, please contact TAC.

**Message** SYSMGR-2-PARSEERR\_DEPENDCYCLE: Dependency cycle found among [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.'

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_DUPLICATEDCONFIG: [chars]: duplicated definition for service config. Previous definition in [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_DUPLICATEDDEPEND: [chars]: duplicated dependency from [chars] for service [chars]. Previous use in [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_DUPLICATEDNAME: [chars]: short name [chars] used by service [chars] is also used by service "[chars]" in [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_DUPLICATEDOPTION: [chars]: duplicated definition for option [chars]-

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_DUPLICATEDSERVICE: [chars]: duplicated definition for service [chars]. Previous definition in [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_DUPLICATEDVERDB: [chars]: duplicated definition for service version\_db. Previous definition in [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_DUP\_UGRPENTRY: [chars]: service [chars] duplicated in the current upgrade group. Previous use in [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_FT\_SET\_ID\_PARSEERR: [chars]: client\_id ([dec]) out of bound for "[chars]".

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_INCONSISTENTOPT: [chars]: option "[chars]=[chars]" not consistent with "[chars]=[chars]" for service "[chars]"

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_INVALIDCOMPCONDDPEND: [chars] (in dependency list of compulsory conditional service [chars]): optional conditional service "[chars]" not allowed.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_INVALIDCONDDPEND: [chars] (in dependency list of ASAP service [chars]): conditional service "[chars]" not allowed.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_INVALIDDEPEND: [chars] (in dependency list of service [chars]): service [chars] not defined for scope "[chars]".

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_INVALIDEXEC: [chars]: invalid executable [chars] for service [chars]: [chars] ([dec]).

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_INVALIDHANDSHAKEDEPEND: [chars] (in handshake dependency list of service [chars]): service "[chars]" is MTS unaware or not defined for scope "[chars]".

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_INVALIDIDENT: [chars]: [chars] "[chars]" not found for service "[chars]".

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_INVALIDOPTION: [chars]: option [chars]-

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.



**Message** SYSMGR-2-PARSEERR\_INVALIDSTDBYDEPEND: [chars]: service [chars] cannot be dependent on service [chars] due to the standby mode wait for that service.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_INVALIDVDCDEPEND: [chars] (in dependency list of service [chars]): service [chars] is a [chars] service.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.'

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_INVALID\_CLEANUP\_ARGUMENTS: [chars]: cleanup\_arguments = "[chars]": only conditional services that are scripts can specify cleanup arguments

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_INVALID\_COND\_SRV\_MODE: [chars]: service [chars] not defined for scope "control" or not mts aware.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_INVALID\_DIR: [chars]: "[chars]" is not a valid [chars]: [chars] ([dec]).

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_INVALID\_GLOBAL\_SYNC: [chars]: mts unaware service may not request for a global sync.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_INVALID\_HB: [chars]: "[dec]" is not a valid heartbeat timeout.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_INVALID\_MAX\_INSTANCE: [chars]: [dec] is not a valid max\_instance.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.'

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_INVALID\_SHELLTREE: [chars]: invalid shell parser tree [chars] for service [chars]: [chars] ([dec]).

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_INVALID\_STANDBY\_MODE\_GLOBAL\_SYNC: [chars]: service with standby mode wait cannot request for a global sync.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_INVALID\_STANDBY\_MODE: [chars]: standby\_mode should be run.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_INVALID\_STARTUP\_MODE\_DEPENDENCY: [chars]: Invalid dependency. Service [chars] s startup mode ('[chars]') does not match dependent service "[chars]"'s startup mode ('[chars]').'

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** No action is required.

**Message** SYSMGR-2-PARSEERR\_INVALID\_TRANSL: [chars]: invalid translator [chars] for service [chars]: [chars] ([dec]).

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_INVALID\_UGRPENTRY: [chars]: service "[chars]" is not defined.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_MISSINGOPTION: [chars]: option [chars]-

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_MTSUNAWARE\_HANDSHAKEDEPEND: [chars]: service [chars] is MTS unaware and cannot have handshake dependencies.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_NORESTART: [chars]: option [chars]-

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_NOTCONFIG: [chars]: [chars] implemented only for service config.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_REPARSE\_CANNOT\_ADD\_SRV: Service "[chars]" cannot be added

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_REPARSE\_CANNOT\_DELETE\_SRV: Service "[chars]" cannot be removed

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_REPARSE\_CANNOT\_MODIFY\_PARAM: Cannot modify parameter [chars] for the service "[chars]", old value = [chars], new value = [chars]

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_REPARSE\_CANNOT\_MODIFY\_SRV: Configuration for service "[chars]" cannot be modified, param modified = [chars], old\_value = [chars], new\_value = [chars]

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_REP\_UGRPENTRY: [chars]: service [chars] is used in more than one upgrade group. First use in [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_TOOMANYDEPENDS\_MULTIPLE\_INST: [chars]: too many multiple instance dependencies ([dec]) for service "[chars]".

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_TOOMANYDEPENDS: [chars]: too many dependencies ([dec]) for service "[chars]".

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_UGRPDUPLICATEDNAME: [chars]: upgrade group name "[chars]" already used in [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARSEERR\_UGRPNAMEREDefined: [chars]: the upgrade group is already called "[chars]".

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PARTIAL\_CFGWRITE\_ABORTED: Partial configuration copy aborted.

**Explanation** A partial configuration copy has failed.

**Recommended Action** Please verify the other syslog messages printed correct the problem, and try again. If problem persists, please run the command 'running-config startup-config' and try again.'

**Message** SYSMGR-2-PLUGIN\_BOOTUP\_FAILURE: The bootup of the supervisor has failed due to plugin load: [chars] (error-id [hex])

**Explanation** The bootup of the supervisor has failed due to plugin load.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PSS2FILE\_CONVERT\_FAILED: Conversion of file [chars] failed.

**Explanation** Conversion of internal data format failed.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-PSS2\_VOLATILE\_DB\_FULL: Volatile database usage in kernel is unexpectedly high at [dec]%.

**Explanation** System volatile database in kernel space is almost full.

**Recommended Action** Please run the command 'show system internal pss kernel mem stats'. If this message continues to persist, please contact TAC.'

**Message** SYSMGR-2-REDSTATE\_GETFAILED: Failed to request redundancy state: [chars] (error-id [hex]).

**Explanation** The local supervisor is unable to get the redundancy state.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-REDSTATE\_SETFAILED: Failed to set redundancy state: ret\_val ([dec]).

**Explanation** The local supervisor is unable to get the redundancy state.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-REDUNDANCY\_CHANNEL\_FAILURE: Remote sup will be rebooted since its coming up as active when local sup is still active.

**Explanation** Remote sup is becoming active although local sup is still active. As a result, local sup will cause the remote sup to reset itself.

**Recommended Action** If the problem persists, please contact customer support.

**Message** SYSMGR-2-REDUNDANCY\_HEARTBEAT\_FAILURE: Heartbeat between active and standby on the redundancy channel not working for last [dec] minutes.

**Explanation** This supervisor is not receiving heartbeat on the redundancy channel from the other supervisor. This can result in problems during switchover and switchover may even fail.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-RESTART\_SYSTEM\_LOG: We will be restarting system soon for vdc [dec].

**Explanation** We will be restarting system since we were trying to do a hot switchover before all the state could have been transferred to this supervisor. So we will be doing a cold switchover now.

**Recommended Action** No action is required.

**Message** SYSMGR-2-RESTORE\_RUNTIME\_DB\_FAILED: Restoring of runtime database for fabric switch upgrade failed during boot (error-id [hex]).

**Explanation** This message indicates that the runtime database could not be restored during boot for the fabric switch upgrade.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-SAVE\_RUNTIME\_DB\_FAILED: Saving of runtime database for fabric switch upgrade failed (error-id [hex]).

**Explanation** This message indicates that the runtime database could not be saved for the fabric switch upgrade.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-SERVICE\_CRASHED: Service "[chars]" (PID [dec]) hasntcaughtsignal[dec] [chars]'

**Explanation** A service has terminated its execution abnormally. The service might be restarted, depending on the HA policies implemented for the service.

**Recommended Action** Please use the command 'show process' to verify that the service has been restarted.

**Message** SYSMGR-2-SHUTDOWN\_FAILURE: Unable to set signal handler for graceful shutdown: [chars] (error-id [hex]).

**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

**Message** SYSMGR-2-SHUTDOWN\_REJECT: The System Manager is busy saving the configuration. Please try again later.

**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

**Message** SYSMGR-2-SHUTDOWN\_SYSTEM\_LOG: vdc [dec] will shut down soon.

**Explanation** We are shutting down system the vdc.

**Recommended Action** No action is required.

**Message** SYSMGR-2-SIGKILL\_FAILURE: Service "[chars]" failure to respond to SIGKILL causing supervisor to reset. Last heartbeat %.2f secs ago.

**Explanation** We will be resetting the supervisor since service failed to respond to SIGKILL sent to it by System Manager.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.



**Message** SYSMGR-2-SOCKET\_ERROR: Failed to open socket connection, errno: [dec].

**Explanation** Call to open socket connection failed.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-SRV\_CLEAR\_MEMORY\_ALERT: service "[chars]" clear memory alert ([dec]%)

**Explanation** Clean Memory Alert Event received

**Recommended Action** No action is required.

**Message** SYSMGR-2-SRV\_MAJOR\_MEMORY\_ALERT: service "[chars]" major memory alert ([dec]%)

**Explanation** Major Memory Alert Event received

**Recommended Action** No action is required.

**Message** SYSMGR-2-SRV\_MINOR\_MEMORY\_ALERT: service "[chars]" minor memory alert ([dec]%)

**Explanation** Minor Memory Alert Event received

**Recommended Action** No action is required.

**Message** SYSMGR-2-SRV\_SPAWN\_FAILED: Spawning of service "[chars]" in vdc [dec] failed : [chars] (error-id [hex]).

**Explanation** Failed to spawn a service

**Recommended Action** No action is required.

**Message** SYSMGR-2-STANDBY\_BOOT\_FAILED: Standby supervisor failed to boot up.

**Explanation** This message is printed if the standby supervisor does not complete its boot procedure (i.e. it doesn't reach the login prompt on the local console) 3 to 6 minutes after the loader has been loaded by the BIOS. This message is usually caused by boot variables not properly set for the standby supervisor. This message can also be caused by a user intentionally interrupting the boot procedure at the loader prompt (by means of pressing ESC).

**Recommended Action** Connect to the local console of the standby supervisor. If the supervisor is at the loader prompt, try to use the boot' command to continue the boot procedure. Otherwise, issue a 'reload' command for the standby supervisor from avsh session on the active supervisor, specifying the 'force-dnld' option. Once the standby is online, fix the problem by setting the boot variables appropriately.

**Message** SYSMGR-2-STARTUP\_CONVERSION\_FAILED: Startup config conversion failed during boot (error-id [hex]).

**Explanation** This message indicates that the conversion of startup configuration failed during boot.

**Recommended Action** If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.

**Message** SYSMGR-2-START\_SCRIPT\_FAILED: Start script (/isan/etc/rc.sysmgr start) failed with return value: ([dec]).

**Explanation** The initialization of the system could not complete.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-SUBPROC\_SPAWN\_FAILED: Spawning of sub-process "[chars]" in vdc [dec] failed: [chars] (error-id [hex]).

**Explanation** Failed to spawn a sub-process

**Recommended Action** No action is required.

**Message** SYSMGR-2-SUP\_POWERDOWN: Supervisor in slot [dec] is running with less memory than active supervisor in slot [dec]

**Explanation** Supervisor memory mismatch

**Recommended Action** No action is required.

**Message** SYSMGR-2-SWITCHOVER\_OVER: Switchover completed.

**Explanation** The switchover is completed.

**Recommended Action** No action is required.

**Message** SYSMGR-2-SWITCHOVER\_SRVCRASHED: Service "[chars]" (PID [dec]) crashed during switchover - hasn't caught signal[dec].Core will not be collected.'

**Explanation** The switchover failed because a service crashed during switchover.

**Recommended Action** No action is required.

**Message** SYSMGR-2-SWITCHOVER\_SRVFAILED: Service "[chars]" failed in performing its switchover actions (error-id [hex]).

**Explanation** The switchover failed because a service could not transition to the active state.

**Recommended Action** No action is required.

**Message** SYSMGR-2-SWITCHOVER\_SRVTERMINATED: Service "[chars]" (PID [dec]) terminated during switchover with error code [dec].

**Explanation** The switchover failed because a service terminated during switchover.

**Recommended Action** No action is required.

**Message** SYSMGR-2-SWITCHOVER\_THRESHOLD\_EXCEEDED: Switchover threshold exceeded ([dec] switch overs happened within [dec] seconds). Powering down all linecards.

**Explanation** Switchover threshold exceeded

**Recommended Action** No action is required.

**Message** SYSMGR-2-SWITCHOVER\_TIMEOUT: Service "[chars]" (vdc [dec]) did not respond to switchover message in [dec] seconds

**Explanation** The switchover timeout because a service failed to response

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-SYNC\_FAILURE\_MSG\_PAYLOAD: vdc [dec]: [chars]

**Explanation** Dump out the msg to know what causes sync failure

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-SYNC\_FAILURE\_STANDBY\_RESET: Failure in syncing messages to standby for vdc [dec] causing standby to reset.

**Explanation** We will be resetting the standby since mts on the active is unable to sync messages to standby.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-SYSMGR\_AUTOCOLLECT\_TECH\_SUPPORT\_LOG: This supervisor will temporarily remain online in order to collect show tech-support. This behavior is configurable via system [no] auto-collect tech-support'

**Explanation** Supervisor is automatically collecting logs

**Recommended Action** No action is required.

**Message** SYSMGR-2-TMP\_DIR\_FULL: System temporary directory usage is unexpectedly high at [dec]%.

**Explanation** System /tmp space is almost full.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-VDC\_CREATE\_DELETE\_SRVCRASHED: Global vdc-aware service "[chars]" (PID [dec]) crashed during vdc create/delete on standby - hasn't caught signal [dec].'

**Explanation** The creation/deletion of vdc on standby failed because a global vdc-aware service crashed on standby.

**Recommended Action** No action is required.

**Message** SYSMGR-2-VDC\_CREATE\_DELETE\_SRVTERMINATED: Global vdc-aware service [chars] (PID [dec]) terminated during vdc create/delete on standby with error code [dec].

**Explanation** The creation/deletion of vdc on standby failed because a global vdc-aware service terminated on standby.

**Recommended Action** No action is required.

**Message** SYSMGR-2-VDC\_DELETE\_FAILURE: The vdc delete has failed: [chars] (error-id [hex])

**Explanation** The vdc delete has failed

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-2-VDC\_NOT\_CLEANEDUP\_SRVS: vdc [dec]: [chars]

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-2-VOLATILE\_DB\_FULL: System volatile database usage is unexpectedly high at [dec]%.

**Explanation** System volatile database space is almost full.

**Recommended Action** Please run the command system pss shrink'. If this message continue persistent, please contact TAC.'

**Message** SYSMGR-2-WARMSWITCHOVER\_START: This supervisor is becoming active.

**Explanation** A cold switchover has started.

**Recommended Action** When the other supervisor is back online, use the command 'show system reset-reason' to know what caused the switchover.

**Message** SYSMGR-2-WDT\_KGDB: System watchdog kgdb has been [chars] for slot [dec].

**Explanation** System watchdog kgdb has been [chars]. If the command has been enabled, the system will go into kgdb if there is a watchdog timeout.

**Recommended Action** No action is required.

## SYSMGR-3

**Message** SYSMGR-3-BASIC\_TRACE: [chars]: PID [dec] with message [chars].

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-3-CAPABILITY\_REDUN\_CHANGE: Redundancy mode changed to [chars] due to configuration change.

**Explanation** Some configuration changes have occurred causing administrative redundancy mode to change.

**Recommended Action** No action is required.

**Message** SYSMGR-3-CFGCTRL\_ABORT: signal to abort cfgctrl as super changes to the unstable state

**Explanation** When super state changes to unstable, cfgctrl should be terminated

**Recommended Action** No action is required.

**Message** SYSMGR-3-CFGERASE\_FAILED: Configuration erase failed (error-id [hex]).

**Explanation** The requested configuration erase has failed. [dec] is the error-ID representing the failure reason.

**Recommended Action** No action is required.

**Message** SYSMGR-3-CFGSNAPSHOT\_FAILED: Configuration snapshot failed (error-id [hex]).

**Explanation** The requested configuration snapshot has failed. [dec] is the error-id representing the failure reason.

**Recommended Action** No action is required.

**Message** SYSMGR-3-CFGWRITE\_FAILED: Configuration copy failed (error-id [hex]).

**Explanation** The requested configuration copy has failed. [dec] is the error-id representing the failure reason.

**Recommended Action** No action is required.

**Message** SYSMGR-3-CFGWRITE\_REJECT: Discarding request for configuration [chars]: configuration action already in progress.

**Explanation** Another instance of the command 'copy running-config startup-config' is in progress.

**Recommended Action** Please wait for the other instance to complete.

**Message** SYSMGR-3-CFGWRITE\_SRVCRASHED: Service [chars] crashed with signal ([dec]) while configuration was being saved

**Explanation** A required service has crashed while configuration was being saved. The overall configuration copy is considered failed.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-3-CFGWRITE\_SRVFAILED: Service "[chars]" failed to store its configuration (error-id [hex]).

**Explanation** A required service has failed to store its own configuration into the startup-config. The overall configuration copy is considered failed.

**Recommended Action** Use the 'show process' command to verify that the system is running properly and the service [chars] is behaving correctly. Then try again.

**Message** SYSMGR-3-CFGWRITE\_SRVTERMINATED: Service [chars] terminated with error code ([dec]) while configuration was being saved

**Explanation** A required service has terminated while configuration was being saved. The overall configuration copy is considered failed.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-3-CFGWRITE\_SRVTIMEOUT: Service [chars] failed to store its configuration in the timeout period

**Explanation** A required service has failed to send a response after receiving a request to store its configuration into the startup-config. The overall configuration copy is considered failed.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-3-CFGWRITE\_VDCSRVCRASHED: Service [chars] in vdc [dec] crashed with signal ([dec]) while configuration was being saved

**Explanation** A required service has crashed while configuration was being saved. The overall configuration copy is considered failed.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-3-CFGWRITE\_VDCSRVFAILED: Service "[chars]" in vdc [dec] failed to store its configuration (error-id [hex]).

**Explanation** A required service has failed to store its own configuration into the startup-config. The overall configuration copy is considered failed.

**Recommended Action** Use the show process command to verify that the system is running properly and the service [chars] is behaving correctly. Then try again.

**Message** SYSMGR-3-CFGWRITE\_VDCSRVTERMINATED: Service [chars] in vdc [dec] terminated with error code ([dec]) while configuration was being saved

**Explanation** A required service has terminated while configuration was being saved. The overall configuration copy is considered failed.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-3-CFGWRITE\_VDCSRVTIMEOUT: Service [chars] in vdc [dec] failed to store its configuration in the timeout period

**Explanation** A required service has failed to send a response after receiving a request to store its configuration into the startup-config. The overall configuration copy is considered failed.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-3-COPY\_CORES\_FAILED: Copying cores failed ([dec]).

**Explanation** Copying cores to the destination failed because of an error specified in the log.

**Recommended Action** No action is required.

**Message** SYSMGR-3-COREDUMP\_TIMEOUT: Failed to store the core in the specified time. Resetting....

**Explanation** Failed to store the core in the specified time. Resetting...

**Recommended Action** No action is required.

**Message** SYSMGR-3-CORE\_CLIENT\_INIT\_FAILED: Core client will not be started due to some internal error.

**Explanation** Core client will not be started due to some internal error.

**Recommended Action** No action is required.

**Message** SYSMGR-3-CORE\_OP\_FAILED: Core operation failed: [chars]

**Explanation** Mainly use to display failure on core operation in general

**Recommended Action** No action is required.

**Message** SYSMGR-3-CORE\_SERVER\_INIT\_FAILED: Core server will not be started due to some internal error.

**Explanation** Core server will not be started due to some internal error.

**Recommended Action** No action is required.

**Message** SYSMGR-3-DAEMONIZE\_FAILED: Unable to daemonize service "[chars]": [chars] ([dec]).

**Explanation** A service could not be spawned.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-3-FAILED\_PFM\_HANDSHAKE: PFM-handshake from service "[chars]" failed (error-id [hex]).

**Explanation** The Platform Manager handshake has failed. The system ca not proceed with the initialization.'

**Recommended Action** No action is required.

**Message** SYSMGR-3-GSYNC\_TIMEOUT\_FAILED: Failed to set timeout for global sync for an application ([dec]).

**Explanation** Failed to set timeout for global sync for an application. This can result in global sync to be stuck forever if application never complete global sync.

**Recommended Action** No action is required.



**Message** SYSMGR-3-HEARTBEAT\_FAILURE: Service "[chars]" sent SIGABRT for not setting heartbeat for last [dec] periods. Last heartbeat %.2f secs ago.

**Explanation** A service is not setting proper heartbeats to System Manager So it will kill this service and if this service has restartability set to TRUE, the service will restart.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-3-INVALID\_BOOT\_HANDSHAKE: Boot-scope-handshake received from service [chars], that is in scope [dec] (not the boot scope).

**Explanation** A service is trying to take actions that belong to a different class of services.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-3-INVALID\_GSYNC\_GET: Service "[chars]" vdc [dec] requesting gsync without setting proper flag in its conf file.

**Explanation** Service is requesting global sync without setting proper flag in its conf file.

**Recommended Action** No action is required.

**Message** SYSMGR-3-INVALID\_PFM\_HANDSHAKE: PFM-handshake received from service [chars], that is in scope [dec] (not the boot scope).

**Explanation** A service is trying to take actions that belong to the Platform Manager service.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-3-INVALID\_TRANSITION: Transition from state [chars] to state [chars] is not allowed.

**Explanation** Unexpected transition in the System Manager state machine.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-3-INVALID\_UUID: Service [chars] is configured with UUID [hex], but uses UUID [hex].

**Explanation** The identity of a service is inconsistent in the image file

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-3-ISSU\_BEGIN\_FAILED: ISSU cannot proceed (error-id [hex]).

**Explanation** This message indicates that some service has blocked the ISSU.

**Recommended Action** No action is required.

**Message** SYSMGR-3-LC\_IMAGE\_UPGRADE\_FAILURE: Linecard image upgrade request failed (error-id [hex]).

**Explanation** Linecard image upgrade request failed

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-3-LC\_RESET: Resetting linecard

**Explanation** Linecard is being reset

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-3-LC\_SAVE\_STATES\_FAILURE: Save states request for the linecard failed (error-id [hex]).

**Explanation** Save state request for the linecard failed

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-3-LC\_STOP\_ASYNC\_FAILURE: Stop async notification request failed (error-id [hex]).

**Explanation** Stop async notification request for the linecard failed

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-3-LC\_UPG\_ERROR: LC ERROR: [chars]

**Explanation** Linecard upgrade Message

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-3-MISSING\_OPTIONAL\_CAPABILITY: Incomplete support for the current running-config on standby supervisor.

**Explanation** Loose config incompatibilities exist between active and standby sup. Operational redundancy mode is still set to HA.

**Recommended Action** No action is required.

**Message** SYSMGR-3-MODULE\_LOCK\_FAILED: Failed to lock the local module to avoid reset (error-id [hex]).

**Explanation** Locking the local module has failed. Reloading the local module can now result in switchover to fail.

**Recommended Action** No action is required.

**Message** SYSMGR-3-ND\_UPGD\_RECOVERY\_SRVFAILED: Service "[chars]" in vdc [dec] failed in non-disruptive upgrade recovery (error-id [hex]).

**Explanation** The non-disruptive upgrade failed because a service could not recover its state.

**Recommended Action** No action is required.

**Message** SYSMGR-3-OPERATIONAL\_MODE\_WARM: Operational redundancy mode set to warm (error-id [hex]).

**Explanation** Operational redundancy mode will be set to warm. [dec] is the error-ID representing the reason.

**Recommended Action** No action is required.

**Message** SYSMGR-3-PARTIAL\_CFGWRITE\_FAILED: Partial configuration copy failed (error-id [hex]).

**Explanation** The requested configuration copy has failed. [dec] is the error-ID representing the failure reason.

**Recommended Action** No action is required.

**Message** SYSMGR-3-PARTIAL\_CFGWRITE\_VER\_MISMATCH: Startup-config version not same as current software version.

**Explanation** Startup-config version not same as current software version.

**Recommended Action** Please do a copy running startup, and try again.

**Message** SYSMGR-3-RTDBCTRL\_BUILD\_UPG\_TBL\_FAILED: Failed to prepare upgrade version table during pre-upgrade

**Explanation** A required sequence in the pre-upgrade sequence has failed. The version table could not be built correctly

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-3-RTDBCTRL\_SRVFAILURE: Service "[chars]" responded with a failure

**Explanation** A service responded with a failure to the request

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-3-RTDBCTRL\_SRVTIMEOUT: Service [chars] failed to respond back to System Manager in the specified timeout period

**Explanation** A required service has failed to send a response after receiving a request for the fabric switch upgrade.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-3-RTDBCTRL\_SRV\_RECV\_FAILED: Failed to receive response from Service "[chars]"

**Explanation** A required service has failed to send a response after receiving a request for the fabric switch upgrade.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-3-RTDBCTRL\_SRV\_SEND\_FAILED: Failed to send upgrade request to Service "[chars]"

**Explanation** Failed to send upgrade request to a required service

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-3-SERVICE\_TERMINATED: Service [chars] (PID [dec]) has finished with error code [chars] ([dec]).

**Explanation** A service has terminated its execution normally. Depending on the value of [dec2] and the HA policies implemented for the service, the service might be restarted automatically.

**Recommended Action** No action is required.

**Message** SYSMGR-3-SHUTDOWN\_OVER: The System Manager is shutting down now.

**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

**Message** SYSMGR-3-SHUTDOWN\_START: The System Manager has started the shutdown procedure.

**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

**Message** SYSMGR-3-STANDBY\_UNSTABLE\_FTSET\_OPERATION: Restarting standby since it is not in hot standby state while feature-set operation was in progress in vdc [dec].

**Explanation** Standby unstable during feature-set operation

**Recommended Action** No action is required.

**Message** SYSMGR-3-STANDBY\_VDC\_RESTART\_FAILURE: vdc [dec] on standby failed to restart. error: [chars] ([hex])

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-3-SYSMGR\_CRASHED: Sysmgr (PID [dec]) [chars]

**Explanation** Sysmgr has terminated abnormally.

**Recommended Action** Please use the command 'show process' to verify that sys mgr has been restarted.

**Message** SYSMGR-3-TFTP\_CORES\_FAILED: TFTPing cores failed ([chars]).

**Explanation** TFTPing cores to the destination failed because of an error specified in the log.

**Recommended Action** No action is required.

**Message** SYSMGR-3-UNACCEPTABLE\_WAIT: Service [chars], no response from System Manager after [dec] seconds. Terminating.

**Explanation** A spawned service could not handshake with the System Manager and it's about to be terminated.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-3-UNLINK\_RELINK\_CONF\_FILES\_FAILED: [chars] of conf files failed. plugin\_id [dec]

**Explanation** Unlink and/or Relink of configuration files failed.

**Recommended Action** No action is required.

**Message** SYSMGR-3-URIFS\_APPLY\_FAILED: Applying URI filesystem database failed (error-id [hex]).

**Explanation** The application of URI filesystem database has failed. [dec] is the error-ID representing the failure reason.

**Recommended Action** No action is required.

## SYSMGR-4

**Message** SYSMGR-4-BASIC\_TRACE\_WARNING: [chars]: PID [dec] with message [chars].

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-4-CFGWRITE\_PARTIALFORCED: Some services are missing; partial configuration write forced.

**Explanation** The system is not fully operational, but a configuration copy has been forced. The services that are not running wont save their configuration, and then ext time they will restart with a default configuration.

**Recommended Action** Use the 'show process' command to find out which required services are not running.

**Message** SYSMGR-4-ON\_DEMAND\_STOP\_UID\_KNOWN: On-demand service "[chars]" stopped by uid ([dec]).

**Explanation** The service start type is specified as type on-demand in its configuration file and an external request requested to abort it.

**Recommended Action** No action is required.

**Message** SYSMGR-4-ON\_DEMAND\_STOP: On-demand service "[chars]" stopped.

**Explanation** The service start type is specified as type on-demand in its configuration file and an external request requested to abort it.

**Recommended Action** No action is required.

**Message** SYSMGR-4-PARSEWARN\_INVALID\_CFGFILE: [chars]: unable to find "[chars]": [chars] ([dec]).

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-4-PARSEWARN\_RESTART\_CNT\_TOO\_BIG: Service "[chars]": [chars] restart count of [dec] too big, needs to be set to [dec].

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-4-PARSEWARN\_VALUE\_TOO\_SMALL: [chars]: [chars] is too small, replaced with [dec].

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-4-READCONF\_REJECT: Discarding configuration update request: [chars].

**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

**Message** SYSMGR-4-READCONF\_STARTED: Configuration update started (PID [dec]).

**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

**Message** SYSMGR-4-SRVSCOPE\_DELAYED: Waiting for redundancy state; termination delayed for scope [chars].

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Message** SYSMGR-4-SYSMGR\_CORE\_TRUNCATED: Core seems to be truncated on generation. [dec] / [dec] KB. PID: [dec]

**Explanation** Core likely truncated

**Recommended Action** No action is required.

**Message** SYSMGR-4-SYSMGR\_PLUGIN\_FAILURE: Received failure response [hex] from Plugin Manager

**Explanation** Failure response from plugin mgr

**Recommended Action** No action is required.

**Message** SYSMGR-4-SYSMGR\_VDC\_CORE\_DELETION: Cores in VDC [dec] will be deleted as part of VDC deletion

**Explanation** VDC cores deleted

**Recommended Action** No action is required.

**Message** SYSMGR-4-UGRP\_ALL\_COMPLETED: Upgrade completed for all the groups.

**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

**Message** SYSMGR-4-VAR\_SYSMGR\_FULL: System core file storage usage is unexpectedly high at [dec]%. This may cause corruption of core files

**Explanation** System core file storage space is almost full.

**Recommended Action** Please copy cores off the supervisor and run 'clear cores' to free some space

## SYSMGR-5

**Message** SYSMGR-5-CFGERASE\_DONE: Configuration erase successful.

**Explanation** The requested configuration erase has completed successfully.

**Recommended Action** No action is required.

**Message** SYSMGR-5-CFGERASE\_STARTED: Configuration erase started (PID [dec]).

**Explanation** The requested configuration erase has started. [dec] is the Process-ID of the process servicing the request.

**Recommended Action** No action is required.

**Message** SYSMGR-5-CFGINIT\_STARTED: Initialization of the startup configuration started (PID [dec]).

**Explanation** The requested initialization of the startup configuration has started. [dec] is the Process-ID of the process servicing the request.

**Recommended Action** No action is required.



**Message** SYSMGR-5-CFGSNAPSHOT\_DONE: Configuration snapshot successful.

**Explanation** The requested configuration snapshot has completed successfully.

**Recommended Action** No action is required.

**Message** SYSMGR-5-CFGSNAPSHOT\_STARTED: Configuration snapshot started (PID [dec]).

**Explanation** The requested configuration snapshot has started. [dec] is the Process-ID of the process servicing the request.

**Recommended Action** No action is required.

**Message** SYSMGR-5-CFGWRITE\_DONE: Configuration copy successful.

**Explanation** The requested configuration copy has completed successfully.

**Recommended Action** No action is required.

**Message** SYSMGR-5-CFGWRITE\_STARTED: Configuration copy started (PID [dec]).

**Explanation** On the active supervisor, this message indicates that the system has started to service a 'copy running-config startup-config' requested by the user. On the standby supervisor, this message indicates that the system is synchronizing the startup-config from the active supervisor.[dec] is the Process-ID of the process servicing the request.'

**Recommended Action** No action is required.

**Message** SYSMGR-5-CONVERT\_STARTUP\_STARTED: Configuration conversion started (PID [dec]).

**Explanation** This message indicates that the system has started conversion of startup configuration. This happens either on system boot or during the course of an upgrade.

**Recommended Action** No action is required.

**Message** SYSMGR-5-DELETE\_BINARY\_STARTUP\_STARTED: Deletion of binary startup configuration started (PID [dec]).

**Explanation** This message indicates that the system will be deleting the binary startup configuration, due to an error in the conversion of the startup conversion.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-5-FSM\_STATE\_TRANS: System Manager NESTED state transition from [chars] to [chars].

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-5-IMPROPER\_CLEANUP: Service "[chars]" exited without replying to switchover request.

**Explanation** A conditional service exited without replying to switchover request. This message is for logging purposes only and does not affect the functionality of the system

**Recommended Action** No action is required.

**Message** SYSMGR-5-ISSU\_ABORT: Notifying services of aborted ISSU (PID [dec]).

**Explanation** This message indicates that the ISSU has been aborted and the services have been asked to rollback any changes.

**Recommended Action** No action is required.

**Message** SYSMGR-5-ISSU\_BEGIN\_STARTED: Notifying services of ISSU (PID [dec]).

**Explanation** This message indicates that the system has started notifying services for the ISSU. Services can block the upgrade at this point.

**Recommended Action** No action is required.

**Message** SYSMGR-5-LC\_UPGRADE\_REBOOT: Rebooting linecard as a part of upgrade

**Explanation** Linecard is being rebooted as a part of upgrade

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-5-LC\_UPGRADE\_START: Starting linecard upgrade

**Explanation** Linecard upgrade is starting

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-5-MODULE\_ONLINE: System Manager has received notification of local module becoming online.

**Explanation** System Manager has received notification of local module becoming online.

**Recommended Action** No action is required.

**Message** SYSMGR-5-PARTIAL\_CFGWRITE\_ASCII\_CONFIG: Startup-config version not present.

**Explanation** Startup-config version not present.

**Recommended Action** Startup-config version is not present. Ascii configuration will be applied.

**Message** SYSMGR-5-PARTIAL\_CFGWRITE\_DONE: Partial configuration copy successful.

**Explanation** The requested configuration copy has completed successfully.

**Recommended Action** No action is required.

**Message** SYSMGR-5-PARTIAL\_CFGWRITE\_STARTED: Partial configuration copy started by UUID [hex] (PID [dec]).

**Explanation** This message is printed only on active supervisor, and indicates that service with mentioned UUID has requested a partial write mem. [dec] is the Process-ID of the process servicing the request.

**Recommended Action** No action is required.

**Message** SYSMGR-5-RECOVERY\_FAILED: Stateful recovery failed, system manager will now start stateless.

**Explanation** Stateful recovery failed, system manager will now restart system and start stateless.

**Recommended Action** No action is required.

**Message** SYSMGR-5-RUNTIME\_DB\_RESTORE\_STARTED: Runtime database controller started (PID [dec]).

**Explanation** This message indicates that the system has started the restoration of the runtime database. This happens during the non-disruptive fabric switch upgrade.

**Recommended Action** No action is required.

**Message** SYSMGR-5-RUNTIME\_DB\_RESTORE\_SUCCESS: Runtime database successfully restored.

**Explanation** This message indicates that the runtime database has been successfully restored for the non-disruptive fabric switch upgrade.

**Recommended Action** No action is required.

**Message** SYSMGR-5-RUNTIME\_DB\_SAVE\_STARTED: Runtime database save has started (PID [dec]).

**Explanation** This message indicates that the system has started the saving of the runtime database. This happens during the non-disruptive fabric switch upgrade.

**Recommended Action** No action is required.

**Message** SYSMGR-5-SERVICE\_DELETED: Service [chars] has been removed from the System Manager database.

**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

**Message** SYSMGR-5-STATEFUL\_STATE: System Manager is in state [chars] after stateful restart.

**Explanation** System Manager has been restarted stateful after an error that resulted in System Manager exiting.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-5-SUBPROC\_KILLED: "[chars]" (PID [dec]) hasn't caught signal [dec] [chars]

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Message** SYSMGR-5-SUBPROC\_TERMINATED: "[chars]" (PID [dec]) has finished with error code [chars] ([dec]).

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Message** SYSMGR-5-UGRP\_COMPLETED: Upgrade completed for group [dec].

**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

## SYSMGR-6

**Message** SYSMGR-6-ALL\_SCOPES\_STARTED: System services have completely started at this time.

**Explanation** System services have completely started at this time.

**Recommended Action** No action is required.

**Message** SYSMGR-6-HANDSHAKE\_DONE: Handshake with service "[chars]" successfully performed.

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Message** SYSMGR-6-HANDSHAKE\_VERIFYING\_DONE: Handshake verification done from service "[chars]".

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-6-LC\_UPG\_DEBUG: LC DEBUG: [chars]

**Explanation** Linecard upgrade debug message

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** SYSMGR-6-RLIMIT\_INFO: rlimit of service "[chars]"([dec]) = %llu

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-6-SERVICE\_STARTED: Service "[chars]" in vdc [dec] started with PID([dec]).

**Explanation** The System Manager is starting a service. This message is for debugging purposes only.

**Recommended Action** No action is required.

**Message** SYSMGR-6-SERVICE\_SUCCESS\_EXIT: Service [chars] (PID [dec]) has successfully exited with exit code [chars] ([dec]).

**Explanation** A service has successfully exited its execution.

**Recommended Action** No action is required.

**Message** SYSMGR-6-SRVSCOPE\_COMPLETED: Completed execution for scope [chars].

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Message** SYSMGR-6-SRVSCOPE\_STARTED: Started execution for scope [chars].

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Message** SYSMGR-6-SRVSTATE\_CHANGED: State for service "[chars]" changed from [chars] to [chars] in vdc [dec].

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Message** SYSMGR-6-SRV\_ENQUEUED\_FOR\_START: Conditional service "[chars]" started by sap "[dec]" has been enqueued for start.

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-6-STATE\_CHANGED: System Manager state changed from [chars] to [chars] for vdc [dec].

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-6-SUBPROC\_SUCCESS\_EXIT: [chars] (PID [dec]) has successfully exited with exit code [chars] ([dec]).

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Message** SYSMGR-6-SUPERSTATE\_CHANGED: System Manager super state changed from [chars] to [chars] for vdc [dec].

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-6-UNEXPECTED\_GSYNC\_RESTART\_STANDBY: Sending a message to restart system on standby on vdc [dec].

**Explanation** Activity occurred on active supervisor that is incompatible with state of standby. System will be restarted on standby.

**Recommended Action** No action is required.

## SYSMGR-7

**Message** SYSMGR-7-CFGWRITE\_UNEXPECTEDRSP: Discarding unexpected response from service "[chars]".

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-7-DUPLICATED\_PFM\_HANDSHAKE: PFM-handshake received from service [chars], but information already available.

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Message** SYSMGR-7-LIBCDB\_FAILURE: Conversion for service "[chars]" failed in libcdb.

**Explanation** This message indicates that either the system could not find conversion tarball or there is no conversion library needed for this service.

**Recommended Action** No action is required.

**Message** SYSMGR-7-LIBVDB\_FAILURE: Conversion for service "[chars]" failed in libvdb.

**Explanation** This message indicates that the system could not find package information for this service in the version database.

**Recommended Action** No action is required.

**Message** SYSMGR-7-ND\_UPGD\_RECOVERY\_SRVSUCCEEDED: Service "[chars]" recovered its state during non-disruptive upgrade.

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-7-NO\_STARTUP\_CONFIG: No startup-config to convert.

**Explanation** This message indicates that the system tried to convert startup configuration but it found no configuration to convert.

**Recommended Action** No action is required.

**Message** SYSMGR-7-SWITCHOVER\_SRVSUCCEEDED: Service "[chars]" completed its switchover actions.

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Message** SYSMGR-7-UNEXPECTEDMSG: Opcode [dec] not expected at this time from service "[chars]" ([chars]).

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Message** SYSMGR-7-UNKNOWNADDR: Opcode [dec] received from unknown source [chars]. Discarding.

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Message** SYSMGR-7-UNKNOWNMSG: Unknown opcode [dec] received from [chars].

**Explanation** The System Manager has received an unrecognized message with the specified opcode. [chars] is the source of the message. This message is for debugging purposes only.

**Recommended Action** No action is required.

**Message** SYSMGR-7-UNKNOWNPID: Opcode [dec] received from [chars] with unknown PID [dec]. Discarding.

**Explanation** The System Manager has received a message from an unknown process. [chars] is the source of the message. This message is for debugging purposes only.

**Recommended Action** No action is required.



**Message** SYSMGR-7-UNKNOWNUUID: Opcode [dec] received from [chars] with unknown UUID [dec]. Discarding.

**Explanation** The System Manager has received an unrecognized message from the specified UUID. [chars] is the source of the message. This message is for debugging purposes only.

**Recommended Action** No action is required.

## SYSTEM HEALTH LC Messages

This section contains the SYSTEM HEALTH LC messages.

### SYSTEM HEALTH LC-2

**Message** SYSTEM HEALTH LC-2-OHMS\_FIPS\_FAILURE: FIPS compliance error during random number generation.

**Explanation** FIPS compliance error.

**Recommended Action** No action is required.

**Message** SYSTEM HEALTH LC-2-OHMS\_LC\_CF\_CRC\_FAILED: Compact Flash firmware CRC checksum on module [dec] is corrupted.

**Explanation** Compact flash firmware has been corrupted.

**Recommended Action** Replace the compact flash on this module.

**Message** SYSTEM HEALTH LC-2-OHMS\_LC\_CF\_INIT\_ERRORS: Compact Flash firmware CRC checksum procedure encountered an error during initialization on module [dec], reason: ([chars]).

**Explanation** Compact flash CRC checksum initializations failed.

**Recommended Action** Check the compact flash on the board and any relevant system (mis) configurations.

**Message** SYSTEM HEALTH LC-2-OHMS\_LC\_CF\_REFLASH\_FAILED: Compact Flash firmware refresh procedure failed, replace the compact flash on module [dec]. Reason [dec]

**Explanation** Compact flash firmware has been corrupted is corrupted.

**Recommended Action** Replace the compact flash on this module.

**Message** SYSTEM HEALTH LC-2-OHMS\_LC\_TCAM\_PARITY\_OFLOW: Too many TCAM Parity errors detected on module [dec]

**Explanation** More parity errors than that can be corrected were detected on the affected module

**Recommended Action** Please schedule a downtime and reload the module. If these errors continue to happen even after module reload, please replace the module.

## SYSTEM HEALTH LC-4

**Message** SYSTEM HEALTH LC-4-OHMS\_BOOTFLASH\_ERRORS: Bootflash test has encountered an error on module [dec] Reason:([chars]).

**Explanation** Compact flash test errors.

**Recommended Action** No action is required.

**Message** SYSTEM HEALTH LC-4-OHMS\_EXIT: Online System Health exiting due to internal errors. Reason [dec]

**Explanation** Online System Health exiting due to internal errors.

**Recommended Action** No action is required.

**Message** SYSTEM HEALTH LC-4-OHMS\_LC\_BATTERY\_ERRORS: Battery test on module [dec] has stopped due to internal errors.

**Explanation** Battery test internal errors

**Recommended Action** No action is required.

**Message** SYSTEM HEALTH LC-4-OHMS\_LC\_BOOTFLASH\_TEST\_ERR: Bootflash test cannot proceed due to internal errors on module [dec].

**Explanation** Compact flash test has had too many internal errors.

**Recommended Action** No action is required.

**Message** SYSTEM HEALTH LC-4-OHMS\_LC\_CACHE\_DISK\_ERRORS: Cache disk test on module [dec] dpp [dec] has stopped due to internal errors.

**Explanation** Cache disk test internal errors

**Recommended Action** No action is required.

**Message** SYSTEM HEALTH LC-4-OHMS\_LC\_CF\_CRC\_PASSED: Compact Flash firmware on module [dec] is healthy at this time.

**Explanation** The Compact Flash model has data retention issues and need to be replaced.

**Recommended Action** Please schedule a downtime and replace the compact flash on this module.

SYSTEM HEALTH LC-4-OHMS\_LC\_CF\_CRC\_PROCESS\_ERR:

**Message** SYSTEM HEALTH LC-4-OHMS\_LC\_CF\_CRC\_PROCESS\_ERR: Compact flash firmware CRC checksum procedure failed on module [dec]. Reason [dec]

**Explanation** Compact flash firmware CRC checksum procedure failed.

**Recommended Action** Try restarting the cf-crc-check using system health clear-errors module cf-crc-check. If the condition still persist, schedule a downtime and replace the compact flash on the affected module.

**Message** SYSTEM HEALTH LC-4-OHMS\_LC\_CF\_RECALLED: Compact Flash on module [dec] was recalled.

**Explanation** The Compact flash model has data retention issues and need to be replaced.

**Recommended Action** Please schedule a downtime and replace the compact flash on this module.

**Message** SYSTEM HEALTH LC-4-OHMS\_LC\_CF\_REFLASH\_PASSED: Compact Flash firmware was successfully refreshed on module [dec].

**Explanation** The Compact Flash model has data retention issues and need to be replaced.

**Recommended Action** Please schedule a downtime and replace the compact flash on this module.

**Message** SYSTEM HEALTH LC-4-OHMS\_LC\_CF\_UNRESPONSIVE: Recalled Compact Flash on module [dec] is unresponsive.

**Explanation** The Compact flash model has data retention issues and need to be replaced.

**Recommended Action** Please schedule a downtime and replace the compact flash on this module.

**Message** SYSTEM HEALTH LC-4-OHMS\_LC\_EOBC\_ERRORS: EOBC test on module [dec] has stopped due to internal errors.

**Explanation** EOBC test internal errors

**Recommended Action** No action is required.

**Message** SYSTEM HEALTH LC-4-OHMS\_LC\_EOBC\_HALTED: EOBC Test Halted for module [dec]. Module needs EPLD Upgrade

**Explanation** Module does not have the minimum required EPLD version to run EOBC test.

**Recommended Action** Please upgrade the module with the latest EPLDs.'

**Message** SYSTEM HEALTH LC-4-OHMS\_LC\_TCAM\_PARITY\_ACL\_FIB\_TIMEOUT: TCAM test timeout waiting for ACL/FIB to update TCAM on module [dec]

**Explanation** System health TCAM test timeout occurred while waiting for response from ACL/FIB

**Recommended Action** If significant packet drops are encountered in the forwarding engine, please schedule a downtime and reload the module

**Message** 7 SYSTEM HEALTH LC-4-OHMS\_LC\_TCAM\_PARITY\_ACL\_FIB\_UPDATE\_FAILING: Tcam test failed as ACL/FIB failed to update TCAM on module [dec]

**Explanation** ACL/FIB failed to update TCAM after soft parity errors were encountered.

**Recommended Action** If significant packet drops are encountered in the forwarding engine, please schedule a downtime and reload the module

## SYSTEM HEALTH LC-6

**Message** SYSTEM HEALTH LC-6-OHMS\_LC\_STARTED: Online System Health started on LC.

**Explanation** Online System Health started on a line card.

**Recommended Action** No action is required.

## SYSTEMHEALTH Messages

This section contains the SYSTEMHEALTH messages.

### SYSTEMHEALTH-2

**Message** SYSTEMHEALTH-2-OHMS\_BATTERY\_FAILED: Battery [dec] failed for module [dec]. Reason: [chars].

**Explanation** Battery failed.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_BOOTFLASH\_FAILED\_RESET\_DAY: Bootflash hard resets for module [dec] has reached threshold limit in 24 hours.

**Explanation** Bootflash hard resets reached threshold limit in 24 hours.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_BOOTFLASH\_FAILED\_RESET\_LIFE: Bootflash hard resets for module [dec] has reached the maximum threshold limit.

**Explanation** Bootflash hard resets reached maximum threshold limit.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_BOOTFLASH\_FAILED: Bootflash test maximum failures reached for module [dec] Reason: ([chars]).

**Explanation** Bootflash failed.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_CACHE\_DISK\_FAILED: Cache disk [dec] failed for module [dec].

**Explanation** Cache disk failed.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_EMGMT\_FAILED: Management port failed for module [dec].

**Explanation** Ethernet management port failed.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_EOBC\_FAILED: EOBC test failed for module [dec].

**Explanation** EOBC test failed for module.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_FIPS\_FAILURE: FIPS compliance error during random number generation.

**Explanation** FIPS compliance error.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_FREE\_DISK\_FAILED: Free Disk Space on partition [chars] is below [chars] threshold for module [dec].

**Explanation** System Health Free Disk Space below threshold.

**Recommended Action** Force a switch over if a standby supervisor is available, or reboot the switch to recover

**Message** SYSTEMHEALTH-2-OHMS\_FREE\_DISK\_RUNNING: Free Disk Space on partition [chars] have increased and is above [chars] threshold for module [dec].

**Explanation** System Health Free Disk Space above threshold.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_INBAND\_FAILED: Inband test maximum failures reached for module [dec].

**Explanation** Inband failed.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_MOD\_PORT\_LB\_TEST\_FAILED: Module [dec] Port [dec] has failed loop back tests.

**Explanation** Port loop-back test failure.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_MOD\_RELOAD\_REQ: Module [dec] reload being requested due to errors found by [chars] test.

**Explanation** System Health Module Reload Request.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_MOD\_SNAKE\_TEST\_FAILED: Module [dec] has failed snake loopback tests.

**Explanation** Snake test failure.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_NVRAM\_FAILED: Nvram test maximum failures reached for module [dec] for blocks 0x%llx.

**Explanation** Nvram failed.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_SUP\_CF\_CRC\_FAILED: Compact Flash firmware CRC checksum on module [dec] is corrupted.

**Explanation** Compact flash firmware has been corrupted.

**Recommended Action** Replace the compact flash on this module.

**Message** SYSTEMHEALTH-2-OHMS\_SUP\_CF\_CRC\_INIT\_ERRORS: Compact Flash firmware CRC checksum procedure encountered an error during initialization on module [dec], reason: ([chars]).

**Explanation** Compact flash CRC checksum initializations failed.

**Recommended Action** Check the compact flash on the board and any relevant system (mis) configurations.

**Message** SYSTEMHEALTH-2-OHMS\_SUP\_CF\_REFLASH\_FAILED: Compact Flash firmware refresh procedure failed, replace the compact flash on module [dec]. Reason [dec]

**Explanation** Compact flash firmware has been corrupted is corrupted.

**Recommended Action** Replace the compact flash on this module.

**Message** SYSTEMHEALTH-2-OHMS\_SWITCHOVER\_REQ: Supervisor switch over being requested due to errors found [chars] test.

**Explanation** System Health Switch Over Request.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_SWITCH\_RELOAD\_REQ: Switch reload request due to errors found [chars] test.

**Explanation** System Health Switch Reload Request.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_TCAM\_PARITY\_FAILED: TCAM test failed for module [dec].

**Explanation** TCAM test failed for module as uncorrectable parity errors were detected.

**Recommended Action** Please schedule a downtime and replace the module.

**Message** SYSTEMHEALTH-2-OHMS\_TCAM\_PARITY\_OFLOW: Too many TCAM Parity errors detected on module [dec]

**Explanation** More parity errors than that can be corrected were detected on the affected module.

**Recommended Action** Please schedule a downtime and reload the module. If these errors continue to happen even after module reload, please replace the module.

## SYSTEMHEALTH-4

**Message** SYSTEMHEALTH-4-OHMS\_BATTERY\_ERRORS: Battery test on module [dec] has been suspended due to internal errors.

**Explanation** Battery test internal errors.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_BOOTFLASH\_TEST\_ERRORS: Bootflash test cannot proceed due to internal errors on module [dec].

**Explanation** Compact flash test internal errors.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_CACHE\_DISK\_ERRORS: Cache disk test on module [dec] dpp [dec] has been suspended due to internal errors.

**Explanation** Cache disk test internal errors.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_CF\_CRC\_PASSED: Compact Flash firmware on module [dec] is healthy at this time.

**Explanation** The Compact Flash model has data retention issues and need to be replaced.

**Recommended Action** Please schedule a downtime and replace the compact flash on this module.

**Message** SYSTEMHEALTH-4-OHMS\_CF\_REFLASH\_PASSED: Compact Flash firmware was successfully refreshed on module [dec].

**Explanation** The Compact Flash model has data retention issues and need to be replaced.

**Recommended Action** Please schedule a downtime and replace the compact flash on this module.



**Message** SYSTEMHEALTH-4-OHMS\_EMGMT\_ERRORS: Management port test cannot proceed due to internal errors on module [dec].

**Explanation** Ethernet management port internal errors.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_EOBC\_ERRORS: EOBC test on module [dec] has been suspended due to internal errors.

**Explanation** EOBC test internal errors.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_EOBC\_HALTED: EOBC Test Halted for module [dec]. Module needs EPLD Upgrade

**Explanation** Module does not have the minimum required EPLD version to run EOBC test.

**Recommended Action** Please upgrade the module with the latest EPLDs.

**Message** SYSTEMHEALTH-4-OHMS\_EXIT: Online System Health exiting due to internal errors. Reason [dec].

**Explanation** Online System Health exiting due to internal errors.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_FAIL\_ACTION\_NOTICE: Failure action not taken, failure action is disabled.

**Explanation** System Health SERDES test failure.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_FREE\_DISK\_ERRORS: Too many errors on module [dec] while running the Free Disk Space test for partition [chars].

**Explanation** System Health Free Disk Space test has too many errors while running.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_FREE\_DISK\_FAILING: Free Disk Space on partition [chars] is starting to go below threshold for module [dec]

**Explanation** System Health Free Disk Space going below threshold.

**Recommended Action** Force a switch over if a standby supervisor is available, or reboot the switch to recover.

**Message** SYSTEMHEALTH-4-OHMS\_INBAND\_FAILING1: Inband test failed [dec] times for module [dec].

**Explanation** Inband Failing.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_INBAND\_TEST\_ERRORS: Too many errors while running the inband test.

**Explanation** Inband test has had too many errors while running.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_LC\_DAEMON\_EXITED: System Health process running on module [dec] exited due to internal errors. Will attempt to restart.

**Explanation** System Health line card daemon exited.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_LC\_DAEMON\_FAILED: System Health process running on module [dec] failed due to fatal errors.

**Explanation** System Health line card daemon failed.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_LC\_DAEMON\_RESTARTED: System Health process running on module [dec] restarted.

**Explanation** System Health line card daemon restarted.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_MOD\_SNAKE\_PATH\_FAILURE: Snake Loopback data path failure on module [dec].

**Explanation** Snake data path only error.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_MOD\_SNAKE\_TEST\_ERRORS: Snake Loopback test cannot proceed due to internal errors for module [dec].

**Explanation** Snake test internal errors.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_NVRAM\_ERRORS: Too many errors on module [dec] while running the Nvram test.

**Explanation** Nvram test has had too many errors while running.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_SERDES\_FAILED: SERDES loopback test on interface fc[dec]/[dec] failed.

**Explanation** System Health SERDES Test Failure.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_SUP\_BOOTFLASH\_ERRORS: Bootflash test has encountered an error on module [dec] Reason:([chars]).

**Explanation** Compact flash test errors on supervisor.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_SUP\_CF\_CRC\_INTERN\_ERRORS: Compact flash firmware CRC checksum procedure cannot proceed due to internal errors on module [dec].

**Explanation** Compact flash firmware CRC checksum procedure ended up in errors.

**Recommended Action** Try restarting the cf-crc-check using system health clear-errors module <x

**Message** SYSTEMHEALTH-4-OHMS\_SUP\_CF\_CRC\_PROCESS\_ERRORS: Compact flash firmware CRC checksum procedure failed on module [dec]. Reason [dec]

**Explanation** Compact flash firmware CRC checksum procedure failed.

**Recommended Action** Try restarting the cf-crc-check using system health clear-errors module <x

**Message** SYSTEMHEALTH-4-OHMS\_SUP\_CF\_CRC\_TEST\_FAILING: Compact flash firmware CRC checksum validation starting to fail on module [dec].

**Explanation** Compact flash firmware CRC checksum might be bad on this module.

**Recommended Action** Schedule a downtime and replace the compact flash on the affected module. Do not attempt any hitless up/downgrades.

**Message** SYSTEMHEALTH-4-OHMS\_SUP\_CF\_RECALLED: Compact Flash on module [dec] was recalled.

**Explanation** The Compact flash model has data retention issues and need to be replaced.

**Recommended Action** Please schedule a downtime and replace the compact flash on this module.

**Message** SYSTEMHEALTH-4-OHMS\_SUP\_CF\_REFLASH\_INTERN\_ERRORS: Compact Flash firmware re-flash procedure cannot proceed due to internal errors on module [dec].

**Explanation** Compact flash firmware re-flash procedure ended up in errors.

**Recommended Action** Try restarting the test using system health clear-errors module <x

**Message** SYSTEMHEALTH-4-OHMS\_SUP\_CF\_REFLASH\_TEST\_FAILING: Compact flash firmware refresh procedure starting to fail on module [dec].

**Explanation** Compact flash might be dead on this module.

**Recommended Action** Schedule a downtime and replace the compact flash on the affected module. Do not attempt any hitless up/downgrades.

**Message** SYSTEMHEALTH-4-OHMS\_SUP\_CF\_UNRESPONSIVE: Recalled Compact Flash on module [dec] is unresponsive.

**Explanation** The Compact flash model has data retention issues and need to be replaced.

**Recommended Action** Please schedule a downtime and replace the compact flash on this module.

**Message** SYSTEMHEALTH-4-OHMS\_SVC\_DAEMON\_FAILED: System Health process running on module [dec] SVC node [dec] exited due to errors.

**Explanation** OHMS SVC daemon exited.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_TCAM\_PARITY\_ACL\_FIB\_TIMEOUT: TCAM test timeout waiting for ACL/FIB to update TCAM on module [dec]

**Explanation** System health TCAM test timeout occurred while waiting for response from ACL/FIB

**Recommended Action** If significant packet drops are encountered in the forwarding engine, please schedule a downtime and reload the module

**Message** SYSTEMHEALTH-4-OHMS\_TCAM\_PARITY\_ACL\_FIB\_UPDATE\_FAILING: Tcam test failed as ACL/FIB failed to update TCAM on module [dec]

**Explanation** ACL/FIB failed to update TCAM after soft parity errors were encountered.

**Recommended Action** If significant packet drops are encountered in the forwarding engine, please schedule a downtime and reload the module

**Message** SYSTEMHEALTH-4-OHMS\_TCAM\_PARITY\_ERRORS: TCAM test on module [dec] has been suspended due to internal errors.

**Explanation** TCAM test internal errors.

**Recommended Action** No action is required.

## SYSTEMHEALTH-5

**Message** SYSTEMHEALTH-5-OHMS\_BATTERY\_FAILING: Battery [dec] starting to fail on module [dec]. Reason: [chars].

**Explanation** System Health battery failing.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-5-OHMS\_BOOTFLASH\_FAILING: Bootflash starting to fail on module [dec].

**Explanation** System Health bootflash failing.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-5-OHMS\_CDISK\_FAILING: Cache disk [dec] starting to fail on module [dec].

**Explanation** System Health cache disk failing.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-5-OHMS\_EMGMT\_FAILING: Management port on module [dec] starting to show signs of failures.

**Explanation** System Health emgmt failing.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-5-OHMS\_EOBC\_FAILING: EOBC starting to fail on module [dec].

**Explanation** System Health eobc failing.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-5-OHMS\_INBAND\_FAILING: Inband starting to fail on module [dec].

**Explanation** System Health inband failing.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-5-OHMS\_NVRAM\_FAILING: Nvram starting to fail on module [dec].

**Explanation** System Health Nvram failing.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-5-OHMS\_SUP\_CF\_ERRORS\_CLEARED: Compact flash failing conditions on module [dec] has been cleared.

**Explanation** Compact flash might be dead on this module.

**Recommended Action** Schedule a downtime and replace the compact flash on the affected module. Do not attempt any hitless up/downgrades.

**Message** SYSTEMHEALTH-5-OHMS\_TCAM\_PARITY\_CLEARED: Failing conditions for TCAM on module [dec] have been cleared.

**Explanation** System Health TCAM failures cleared.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-5-OHMS\_TCAM\_PARITY\_FAILING: TCAM starting to fail on module [dec].

**Explanation** System Health Tcam failing.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-5-OHMS\_TEST\_FAILING: [chars] test starting to fail on module [dec].

**Explanation** System Health test failing.

**Recommended Action** No action is required.

## SYSTEMHEALTH-6

**Message** SYSTEMHEALTH-6-OHMS\_ASIC\_FAILURE\_INFO: Module [dec] Asic [chars] instance [dec] probable cause of failure.

**Explanation** HW failure analysis findings.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-6-OHMS\_BATTERY\_CLEARED: Failing conditions for battery [dec] on module [dec] have been cleared.

**Explanation** System Health battery failure cleared.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-6-OHMS\_BOOTFLASH\_CLEARED: Failing conditions for bootflash on module [dec] have been cleared.

**Explanation** System Health bootflash failures cleared.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-6-OHMS\_CDISK\_CLEARED: Failing conditions for cache disk [dec] on module [dec] have been cleared.

**Explanation** System Health cache disk failure cleared.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-6-OHMS\_EMGMT\_CLEARED: Failing conditions for management port on module [dec] have been cleared.

**Explanation** System Health emgmt failure cleared.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-6-OHMS\_EOBC\_CLEARED: Failing conditions for EOBC on module [dec] have been cleared.

**Explanation** System Health eobc failures cleared.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-6-OHMS\_FAILURE\_CLEARED: Failing conditions for test [chars] have been cleared on module [dec].

**Explanation** System Health failure cleared.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-6-OHMS\_INBAND\_CLEARED: Failing conditions for inband on module [dec] have been cleared.

**Explanation** System Health inband failures cleared.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-6-OHMS\_INBAND\_DROP: Inband Dropping frames from module [dec] due to unknown reasons.

**Explanation** System Health Inband non-timeout drop.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-6-OHMS\_INBAND\_TO\_ERR: Inband Dropping frames from module [dec] due to timeout errors.

**Explanation** System Health Inband timeout drop.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-6-OHMS\_INBAND\_TX\_CONGESTION: Inband Unable to transmit due to TX path congestion on module [dec].

**Explanation** System Health Inband TX congestion.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-6-OHMS\_NVRAM\_CLEARED: Failing conditions for Nvram on module [dec] have been cleared.

**Explanation** System Health Nvram failures cleared.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-6-OHMS\_STARTED: Online System Health started.

**Explanation** Online System Health started.

**Recommended Action** No action is required.

## TACACS Messages

This section contains the TACACS messages.

### TACACS-2

**Message** TACACS-2-TACACS\_PROGRAM\_EXIT: TACACS+ daemon exiting: [chars]

**Explanation** TACACS+ daemon is exiting.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.



## TACACS-3

**Message** TACACS-3-TACACS\_ERROR\_MESSAGE: [chars]

**Explanation** TACACS+ Message

**Recommended Action** No action is required.

## TACACS-4

**Message** TACACS-4-TACACS\_WARNING: [chars]

**Explanation** TACACS+ warning

**Recommended Action** No action is required.

## TACACS-5

**Message** TACACS-5-TACACS\_MONITOR\_STATUS: [chars] [chars]

**Explanation** Notifying TACACS+ server monitor status change

**Recommended Action** No action is required.

**Message** TACACS-5-TACACS\_NOTIFICATION: [chars]

**Explanation** TACACS+ notification

**Recommended Action** No action is required.

**Message** TACACS-5-TACACS\_SERVER\_STATUS: [chars] server [chars] with auth-port [dec] and acct-port [dec] status has changed from [chars] to [chars]. Server was in previous-state for [chars], and total dead time of the server is [chars]

**Explanation** Notifying Tacacs+ server status change

**Recommended Action** No action is required.

## TACACS-6

**Message** TACACS-6-TACACS\_ACCOUNTING\_MESSAGE: [chars]

**Explanation** Accounting Message

**Recommended Action** No action is required.

**Message** TACACS-6-TACACS\_MESSAGE: [chars]

**Explanation** TACACS+ Message

**Recommended Action** No action is required.

## TBIRD\_CMN\_USD Messages

This section contains the TBIRD\_CMN\_USD messages.

### TBIRD\_CMN\_USD-6

**Message** TBIRD\_CMN\_USD-6-TBIRD\_CMN\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## TBIRD\_FWD\_USD Messages

This section contains the TBIRD\_FWD\_USD messages.

### TBIRD\_FWD\_USD-6

**Message** TBIRD\_FWD\_USD-6-TBIRD\_FWD\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## TBIRD\_MAC\_USD Messages

This section contains the TBIRD\_MAC\_USD messages.

### TBIRD\_MAC\_USD-3

**Message** TBIRD\_MAC\_USD-3-FCMAC\_ERR\_MSG: [chars]

**Explanation** Error log message

**Recommended Action** No action is required.

## TBIRD\_MAC\_USD-6

**Message** TBIRD\_MAC\_USD-6-FCMAC\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## TBIRD\_QUE\_USD Messages

This section contains the TBIRD\_QUE\_USD messages.

### TBIRD\_QUE\_USD-6

**Message** TBIRD\_QUE\_USD-6-TBIRD\_QUE\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## TBIRD\_XBAR\_USD Messages

This section contains the TBIRD\_XBAR\_USD messages.

### TBIRD\_XBAR\_USD-6

**Message** TBIRD\_XBAR\_USD-6-TBIRD\_XBAR\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## TCAP Messages

This section contains the TCAP messages.

### TCAP-2

**Message** TCAP-2-MEM\_FULL: Memory allocation failed.

**Explanation** TCAP process has failed to allocate memory.

**Recommended Action** Please perform a 'show tcap event-history' to collect more information.

**Message** TCAP-2-PROC\_DN: Process is shutting down: [chars]

**Explanation** TCAP process is exiting.

**Recommended Action** Please perform a 'show tcap event-history' to collect more information.

**Message** TCAP-2-PROC\_INITFAIL: Process initialization failed due to [chars].

**Explanation** TCAP process has failed initialization.

**Recommended Action** Please perform a 'show tcap event-history' to collect more information.'

## TIM Messages

This section contains the TIM messages.

### TIM-2

**Message** TIM-2-IF\_CRITICAL\_FAILURE: (Debug syslog) Critical failure: [chars], [chars]

**Explanation** There was a critical failure in the component.

**Recommended Action** Please follow instructions on the syslog.

**Message** TIM-2-IF\_DOWN\_ERROR\_DISABLED: Interface [chars] is down (Error disabled. Reason: [chars])

**Explanation** The interface encountered an error while configuring it

**Recommended Action** Collect more information about failed interface using command 'show port internal all interface [char]'. In most cases, you can recover using a 'shutdown' followed a 'noshutdown' on the interface or removing and re-inserting the fibre optic-cable.

**Message** TIM-2-IF\_DOWN\_LINK\_FAILURE\_CRIT: Interface [chars] is down (Link failure)

**Explanation** The physical link has gone down

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

**Message** TIM-2-SEQ\_TIMEOUT: Component [chars] timed out on response to opcode [chars] ([chars])

**Explanation** Some component did not respond to a request in stipulated time.

**Recommended Action** None

**Message** TIM-2-SYSLOG\_TIM\_CRITICAL: Critical failure: [chars]

**Explanation** There was a critical failure in the component.

**Recommended Action** Please collect system tech-support

## TIM Messages

### TIM-3

**Message** TIM-3-IF\_DOWN\_CHANNEL\_ERR\_DISABLED: Interface [chars] is down (Channel error disabled)

**Explanation** This interface belongs to a Port Channel and the Port Channel is error disabled

**Recommended Action** Perform 'shut' and 'no shutdown' on the Port Channel interface that it belongs to'

**Message** TIM-3-IF\_ERROR\_VLANS\_REMOVED: VLANs [chars] on Interface [chars] are removed from suspended state.

**Explanation** The VLANs on an interface are being removed from the suspended state

**Recommended Action** No action is required.

**Message** TIM-3-IF\_ERROR\_VLANS\_SUSPENDED: VLANs [chars] on Interface [chars] are being suspended. (Reason: [chars])

**Explanation** The VLANs on an interface are being suspended due to some protocol action

**Recommended Action** No action is required.

**Message** TIM-3-IF\_SFP\_ALARM: Interface [chars], [chars]

**Explanation** There was an alarm on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Message** TIM-3-IF\_SFP\_ERROR: Interface [chars], [chars]

**Explanation** There was an error on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Message** TIM-3-IF\_UNSUPPORTED\_TRANSCEIVER: Transceiver on interface [chars] is not supported

**Explanation** The transceiver for the interface specified in the Message is not a Cisco supported module

**Recommended Action** Replace the module with a compatible transceiver. If the transceiver was purchased from Cisco, please contact Cisco TAC to get the transceiver replaced

**Message** TIM-3-IF\_XCVR\_ALARM: Interface [chars], [chars]

**Explanation** There was an alarm on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Message** TIM-3-IF\_XCVR\_ERROR: Interface [chars], [chars]

**Explanation** There was an error on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

## TIM Messages

### TIM-4

**Message** TIM-4-IF\_NON\_QUALIFIED\_TRANSCEIVER: Non-qualified transceiver on interface [chars] was detected

**Explanation** The transceiver for the interface specified has not been qualified on this platform for this software release

**Recommended Action** Replace the module with a supported transceiver. Contact Cisco TAC to get platform transceiver qualification details

**Message** TIM-4-IF\_SFP\_WARNING: Interface [chars], [chars]

**Explanation** There was a warning on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Message** TIM-4-IF\_XCVR\_WARNING: Interface [chars], [chars]

**Explanation** There was a warning on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

# TIM Messages

## TIM-5

**Message** TIM-5-IF\_ADMIN\_UP: Interface [chars] is admin up [chars]

**Explanation** Interface is admin up

**Recommended Action** No action is required.

**Message** TIM-5-IF\_BANDWIDTH\_CHANGE: Interface [chars], bandwidth changed to [chars] Kbit

**Explanation** Bandwidth of the interface (port channel) has changed and this change is updated

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_ADMIN\_DOWN: Interface [chars] is down (Administratively down)

**Explanation** Interface has been configured to be administratively down

**Recommended Action** Perform noshutdown"

**Message** TIM-5-IF\_DOWN\_CFG\_CHANGE: Interface [chars] is down(Config change)

**Explanation** FCIP interface temporarily down due to reconfiguration

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_CHANNEL\_ADMIN\_DOWN: Interface [chars] is down (Channel admin down)

**Explanation** This interface belongs to a PortChannel and the PortChannel is configured to be administratively down

**Recommended Action** Perform 'shut' and 'noshutdown' on the PortChannel interface that it belongs to.

**Message** TIM-5-IF\_DOWN\_CHANNEL\_MEMBERSHIP\_UPDATE\_IN\_PROGRESS: Interface [chars] is down (Channel membership update in progress)

**Explanation** The interface belongs to a PortChannel and a configuration is being attempted on the interface while there is a configuration in progress on the PortChannel

**Recommended Action** Retry the configuration again

**Message** TIM-5-IF\_DOWN\_DOMAIN\_ADDR\_ASSIGN\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to domain id assignment failure)

**Explanation** Isolated due to a failure while assigning a domain

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_DOMAIN\_INVALID\_RCF\_RECEIVED: Interface [chars] is down (Isolation due to invalid fabric reconfiguration)

**Explanation** Invalid RCF received.

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_DOMAIN\_MANAGER\_DISABLED: Interface [chars] is down (Isolation due to domain manager disabled)

**Explanation** Isolated due to domain manager being disabled

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_DOMAIN\_MAX\_RETRANSMISSION\_FAILURE: Interface [chars] is down (Isolation due to domain manager other side not responding)

**Explanation** Remote end domain manager not responding.

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_DOMAIN\_OTHER\_SIDE\_EPORT\_ISOLATED: Interface [chars] is down (Isolation due to domain other side eport isolated)

**Explanation** Isolating this interface due to the remote end being isolated.

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_DOMAIN\_OVERLAP\_ISOLATION: Interface [chars] is down (Isolation due to domain overlap)

**Explanation** Isolated due to domain overlap.

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to ELP failure)

**Explanation** ELP failed on the interface.

**Recommended Action** Check the output of 'show port internal info' in the ELP failure reason 'field'



**Message** TIM-5-IF\_DOWN\_EPP\_FAILURE: Interface [chars] is down (Error Disabled - EPP Failure)

**Explanation** Trunk protocol failed

**Recommended Action** 'show port internal event-history msgs' will indicate the trunk protocol exchanges to determine why it failed.

**Message** TIM-5-IF\_DOWN\_ESC\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to ESC failure)

**Explanation** ESC failed on the interface

**Recommended Action** Check the output of show port internal event-history msgs' will indicate the trunk protocol exchanges to determine why it failed.

**Message** TIM-5-IF\_DOWN\_ETH\_IF\_DOWN: Interface [chars] is down(Tunnel port src interface down)

**Explanation** Ethernet link to which the FCIP interface is bound is down.

**Recommended Action** Ensure that the ethernet cable is connected, the interface is administratively enabled.

**Message** TIM-5-IF\_DOWN\_ETH\_LINK\_DOWN: Interface [chars] is down(Tunnel port src interface link down)

**Explanation** Ethernet link to which the FCIP interface is bound is down

**Recommended Action** Ensure that the ethernet cable is connected and the remote end is also active

**Message** TIM-5-IF\_DOWN\_FCOT\_NOT\_PRESENT: Interface [chars] is down (FCOT not present)

**Explanation** The FCOT has been removed

**Recommended Action** Insert an FCOT

**Message** TIM-5-IF\_DOWN\_FCOT\_VENDOR\_NOT\_SUPPORTED: Interface [chars] is down (Error disabled - Fcot vendor not supported)

**Explanation** Fcot inserted is not a supported one

**Recommended Action** Please contact customer support for a list of authorized transceiver vendors

**Message** TIM-5-IF\_DOWN\_HW\_FAILURE: Interface [chars] is down (Hardware Failure)

**Explanation** The modules hardware has failed

**Recommended Action** Collect more information about failed module using command 'show module internal all module'

**Message** TIM-5-IF\_DOWN\_INACTIVE: Interface [chars] is down (Inactive)

**Explanation** The port VSAN has been suspended or deleted

**Recommended Action** Assign a new active port VSAN to the interface

**Message** TIM-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_MODE: Interface [chars] is down (Error disabled - Incompatible admin port mode)

**Explanation** The configured mode is not supported on this interface

**Recommended Action** Perform a 'show port internal info' to determine the list of modes supported on this interface

**Message** TIM-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_RXBBCCREDIT: Interface [chars] is down (Error disabled - Incompatible admin port rxbbccredit)

**Explanation** The configured receive B2B credit size is not supported

**Recommended Action** Get the allowed receive B2B credit size from 'show port internal info'

**Message** TIM-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_RXBUFSIZE: Interface [chars] is down (Error disabled - Incompatible admin port rxbufsize)

**Explanation** The configured receive buffer size is not supported

**Recommended Action** Get the allowed receive buffer size from 'show port internal info'

**Message** TIM-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_SPEED: Interface [chars] is down (Error disabled - Incompatible admin port speed)

**Explanation** The configured speed is not supported on this interface

**Recommended Action** Perform a 'show port internal info' to determine the range of speed supported on this interface

**Message** TIM-5-IF\_DOWN\_INITIALIZING: Interface [chars] is down (Initializing)

**Explanation** The interface is in the process of coming up

**Recommended Action** If the interface is stuck in this state for a while, check the output of 'show port internal event-history' to determine what it is waiting for.

**Message** TIM-5-IF\_DOWN\_INTERFACE\_REMOVED: Interface [chars] is down (Interface removed)

**Explanation** Interface removed

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_LINK\_FAILURE: Interface [chars] is down (Link failure)

**Explanation** The physical link has gone down

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

**Message** TIM-5-IF\_DOWN\_LOOPBACK\_DIAG\_FAILURE: Interface [chars] is down (Diag failure)

**Explanation** Diag failed on the interface

**Recommended Action** Collect more information about failed interface using command 'attach module' to connect to module

**Message** TIM-5-IF\_DOWN\_LOOPBACK\_ISOLATION: Interface [chars] is down (Isolation due to port loopback to same switch)

**Explanation** The interface is looped back to another interface on the same switch

**Recommended Action** Check the connectivity of this interface and ensure that it is connected to another switch

**Message** TIM-5-IF\_DOWN\_MODULE\_REMOVED: Interface [chars] is down (module removed)

**Explanation** Interface is down because the module was removed

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_NONE: Interface [chars] is down ([chars])

**Explanation** Interface is down with a possible reason.

**Recommended Action** Collect more information about port using command 'show port internal info/event-history' to determine why it went down

**Message** TIM-5-IF\_DOWN\_NON\_PARTICIPATING: Interface [chars] is down (Non participating)

**Explanation** The loop port has been put into non participating mode

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_OFFLINE: Interface [chars] is down (Offline)

**Explanation** The interface has been placed into the offline state

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_PARENT\_ADMIN\_DOWN: Interface [chars] is down (Parent interface down)

**Explanation** Parent interface is down

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_PEER\_CLOSE: Interface [chars] is down(TCP conn. closed by peer)

**Explanation** The FCIP peer connected to this interface closed the TCP connection

**Recommended Action** This command will provide the peer IP address of this FCIP interface: show interface. Check to see why the peer closed the TCP connection

**Message** TIM-5-IF\_DOWN\_PEER\_RESET: Interface [chars] is down(TCP conn. reset by peer)

**Explanation** TCP connection to the FCIP peer got reset

**Recommended Action** The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Check to see why the peer reset the TCP connection

**Message** TIM-5-IF\_DOWN\_PORT\_CHANNEL\_MEMBERS\_DOWN: Interface [chars] is down (No operational members)

**Explanation** This is a PortChannel interface and all its members are operationally down

**Recommended Action** Enable at least one of the PortChannel members

**Message** TIM-5-IF\_DOWN\_PORT\_VSAN\_MISMATCH\_ISOLATION: Interface [chars] is down (Isolation due to port vsan mismatch)

**Explanation** Isolated due to a mismatch in the configured port VSAN of the local and remote ends

**Recommended Action** Configure the port VSAN of the local and remote interfaces to be the same and perform a 'shutdown' and a 'nosshutdown'

**Message** TIM-5-IF\_DOWN\_RCF\_IN\_PROGRESS: Interface [chars] is down (RCF in progress)

**Explanation** There is an RCF in progress

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_SOFTWARE\_FAILURE: Interface [chars] is down (Port software failure)

**Explanation** The software servicing the data path on the port has failed

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_SRC\_MOD\_NOT\_ONLINE: Interface [chars] is down (Tunnel source module not online)

**Explanation** Module that has the tunnel source port of this FCIP interface is not fully online

**Recommended Action** The module that has the tunnel src port is coming online. Please use “show mod” to find module status

**Message** TIM-5-IF\_DOWN\_SRC\_PORT\_NOT\_BOUND: Interface [chars] is down (Tunnel port src interface unbound)

**Explanation** Tunnel port source interface unbound

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_SRC\_PORT\_REMOVED: Interface [chars] is down (Tunnel src port removed)

**Explanation** Tunnel source port of this FCIP interface has been removed

**Recommended Action** The src interface with ip address that matches the ip address of the bound entity is removed. This happens normally due to the module on which the src interface exists is removed

**Message** TIM-5-IF\_DOWN\_SUSPENDED\_BY\_MODE: Interface [chars] is down (Suspended due to incompatible mode)

**Explanation** This interface belongs to a PortChannel and operational mode of the interface is different from that of the PortChannel

**Recommended Action** Change the mode and the trunking mode of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

**Message** TIM-5-IF\_DOWN\_SUSPENDED\_BY\_SPEED: Interface [chars] is down (Suspended due to incompatible speed)

**Explanation** This interface belongs to a PortChannel and operational speed of the interface is different from that of the PortChannel

**Recommended Action** Change the speed of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

**Message** TIM-5-IF\_DOWN\_SUSPENDED\_BY\_WWN: Interface [chars] is down (Suspended due to incompatible remote switch WWN)

**Explanation** This interface belongs to a Port Channel and remote switch WWN of the interface is different from that of the PortChannel

**Recommended Action** Ensure that this interface is connected to the same remote switch as all the other interfaces in the Port Channel

**Message** TIM-5-IF\_DOWN\_SUSPENDED: Interface [chars] is down (Suspended)

**Explanation** This interface belongs to a Port Channel and has been suspended due to an error while bringing it up

**Recommended Action** Perform a 'shutdown' and a 'no shutdown'. If this happens again obtain output of 'show port internal info/event-history' on the interface

**Message** TIM-5-IF\_DOWN\_TCP\_KEEP\_ALIVE\_EXPIRED: Interface [chars] is down(TCP conn. closed - Keep alive expired)

**Explanation** TCP session to the FCIP peer got closed due to loss of TCP keep alive

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** TIM-5-IF\_DOWN\_TCP\_MAX\_RETRANSMIT: Interface [chars] is down(TCP conn. closed - retransmit failure)

**Explanation** Interface is down due to maximum retransmission failure

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr trace route ip addr

**Message** TIM-5-IF\_DOWN\_TCP\_PERSIST\_TIMER\_EXPIRED: Interface [chars] is down(TCP conn. closed - Persist timer expired)

**Explanation** TCP session to the FCIP peer closed because TCP persist timer expired

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** TIM-5-IF\_DOWN\_UPGRADE\_IN\_PROGRESS: Interface [chars] is down (Linecard upgrade in progress)

**Explanation** Upgrade of the linecard software is in progress

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_VRF\_UNUSABLE: Interface [chars] is down (Vrf down)

**Explanation** The VRF for which this interface is a member is removed

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_VSAN\_MISMATCH\_ISOLATION: Interface [chars] is down (Isolation due to vsan mismatch)

**Explanation** This is a trunking interface and the VSANs configured do not match with the VSANs configured on the remote end

**Recommended Action** Check the VSANs configured on the local end with the remote end

**Message** TIM-5-IF\_DOWN\_ZONE\_MERGE\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to zone merge failure)

**Explanation** Isolated due to a failure during zone merge

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_ZONE\_REMOTE\_NO\_RESP\_ISOLATION: Interface [chars] is down (Isolation due to remote zone server not responding)

**Explanation** Isolated due to remote zone server not responding

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DUPLEX: Interface [chars], operational duplex mode changed to [chars]

**Explanation** Operational duplex mode has changed when link came up

**Recommended Action** No action is required.

**Message** TIM-5-IF\_ERRDIS\_RECOVERY: Interface [chars] is being recovered from error disabled state (Last Reason:[chars])

**Explanation** Interface is being recovered from error disabled state

**Recommended Action** No action is required.

**Message** TIM-5-IF\_HARDWARE: Interface [chars], hardware type changed to [chars]

**Explanation** There was a change in the hardware characteristic of an interface, such as a transceiver module plugged in or removed

**Recommended Action** No action is required.

**Message** TIM-5-IF\_L2MP\_MODE: Interface [chars], l2mp-mode changed to [chars]

**Explanation** The l2mp-mode on the port has changed

**Recommended Action** No action is required.

**Message** TIM-5-IF\_RX\_FLOW\_CONTROL: Interface [chars], operational Receive Flow Control state changed to [chars]

**Explanation** Operational receive flow control has changed when link came up

**Recommended Action** No action is required.

**Message** TIM-5-IF\_TRUNK\_DOWN: Interface [chars], vlan [chars] down

**Explanation** Interface [chars] is trunking, VLANs [chars] are down

**Recommended Action** The following commands will help determine why this VSAN is down on this interface: show interface, show port internal info interface VSAN, show port internal event-history interface vsan

**Message** TIM-5-IF\_TRUNK\_UP: Interface [chars], vlan [chars] up

**Explanation** Interface [chars] is trunking, VLANs [chars] are up

**Recommended Action** No action is required.



**Message** TIM-5-IF\_TX\_FLOW\_CONTROL: Interface [chars], operational Transmit Flow Control state changed to [chars]

**Explanation** Operational transmit flow control has changed when link came up

**Recommended Action** No action is required.

**Message** TIM-5-IF\_UP: Interface [chars] is up [chars]

**Explanation** Interface is up in mode specified, if applicable

**Recommended Action** No action is required.

**Message** TIM-5-SPEED: Interface [chars], operational speed changed to [chars]

**Explanation** Operational speed has changed when link came up

**Recommended Action** No action is required.

**Message** TIM-5-STORM\_CONTROL\_ABOVE\_THRESHOLD: Traffic in port [chars] exceeds the configured threshold [chars]

**Explanation** Traffic on specified port is beyond the configured storm-control threshold, and the excess traffic is being dropped

**Recommended Action** Identify source of traffic storm

**Message** TIM-5-STORM\_CONTROL\_BELOW\_THRESHOLD: Traffic in port [chars] has fallen below the configured threshold [chars]

**Explanation** Traffic on specified port has returned to within configured storm-control threshold

**Recommended Action** No action is required.

## TLPORT Messages

This section contains the TLPORT messages.

### TLPORT-2

**Message** TLPORT-2-INITFAIL: TL Port Manager Initialization failed: [chars]

**Explanation** TL Port Manager initialization failed. [chars] explains the reason for the failure.

**Recommended Action** No action is required.

## TLPORT-3

**Message** TLPORT-3-ALLOCFAIL: Heap Memory allocation failed: [chars]

**Explanation** TL Port Manager is out of dynamic memory. [chars] specifies the context where the failure occurred.

**Recommended Action** No action is required.

**Message** TLPORT-3-FC2ERROR: [chars]

**Explanation** TL Port Manager encountered an FC2 error. [chars] specifies the context where the error occurred.

**Recommended Action** No action is required.

**Message** TLPORT-3-GENERROR: [chars]

**Explanation** TL Port Manager encountered a general error, one that does not fall in any of the above categories. [chars] describes the error and its context.

**Recommended Action** No action is required.

**Message** TLPORT-3-MTSERROR: [chars]

**Explanation** TL Port Manager encountered an MTS error. [chars] specifies the context where the error occurred.

**Recommended Action** No action is required.

**Message** TLPORT-3-PSSERROR: [chars]

**Explanation** TL Port Manager encountered a PSS error. [chars] specifies the context where the failure occurred.

**Recommended Action** No action is required.

## TLPORT-4

**Message** TLPORT-4-TLPM\_ALPA\_CACHE\_FULL: Translation Port ALPA cache is full. Some new entries may not be cached

**Explanation** TL Port cache is currently fully populated with active entries. Hence, there is no available cache space to be assigned any newly created alpa entry on a TL Port. This is an informational message.

**Recommended Action** No action is required.

## TLPORT-6

**Message** TLPORT-6-MGRCREATED: Translation Port Manager created.

**Explanation** TL Port Manager was created successfully and is up and running. This is an informational message.

**Recommended Action** No action is required.

**Message** TLPORT-6-MGREXIT: Translation Port Manager shutting down gracefully.

**Explanation** TL Port Manager is shutting down gracefully. This is an informational message.

**Recommended Action** No action is required.

**Message** TLPORT-6-PORTDOWN: Translation Port [chars] DOWN.

**Explanation** A port configured as TL Port is DOWN and out of operation. [chars] is the interface-id string that identifies the TL Port. This is an informational message.

**Recommended Action** No action is required.

**Message** TLPORT-6-PORTUP: Translation Port [chars] UP.

**Explanation** A port configured as TL Port is UP and operational. [chars] is the interface-id string that identifies the TL Port. This is an informational message.

**Recommended Action** No action is required.

## TPC Messages

This section contains the TPC messages.

### TPC-SLOT#-5

**Message** TPC-SLOT#-5-LOG\_ERR\_TPC\_DPP\_DEAD: VSAN: [dec] VT pWWN: [chars] DPP died

**Explanation** The DPP associated with the Virtual Target has crashed

**Recommended Action** No action is required.

**Message** TPC-SLOT#-5-LOG\_ERR\_TPC\_VT\_ACT\_FAILED: VSAN : [dec] VT pWWN : [chars] VT Activate failed

**Explanation** The activate step for a Virtual Target has failed

**Recommended Action** No action is required.

**Message** TPC-SLOT#-5-LOG\_ERR\_TPC\_VT\_CREATE\_FAIL: VSAN:[dec] VT pWWN :[chars] VT and NPort creation FAILED !!!

**Explanation** The Virtual Target and nport creation failed

**Recommended Action** No action is required.

**Message** TPC-SLOT#-5-LOG\_ERR\_TPC\_VT\_DESTROYED: VSAN : [dec] Virtual Target : [chars] Deleted

**Explanation** The Virtual Target in the associated VSAN is being destroyed

**Recommended Action** No action is required.

**Message** TPC-SLOT#-5-LOG\_ERR\_TPC\_VT\_VSAN\_DOWN: VSAN : [dec] VT pWWN : [chars] VSAN down

**Explanation** The VSAN where the Virtual Target is configured is down

**Recommended Action** No action is required.

## TTYD Messages

This section contains the TTYD messages.

### TTYD-2

**Message** TTYD-2-TTYD\_ERROR: TTYD Error [chars]

**Explanation** Critical TTY daemon error.

**Recommended Action** No action is required.

**Message** TTYD-2-TTYD\_MTS: TTYD Message queue [dec] [chars]

**Explanation** TTY daemon message error.

**Recommended Action** No action is required.

**Message** TTYD-2-TTYD\_SDWRAP: TTYD Debug Facility error [dec] [chars]

**Explanation** TTY daemon Debug Facility failed.

**Recommended Action** No action is required.

## TTYD-3

**Message** TTYD-3-TTYD\_MISC\_ERROR: Error [chars] with error [chars] ([hex])

**Explanation** TTY daemon errors.

**Recommended Action** No action is required.

## TTYD-6

**Message** TTYD-6-TTYD\_MISC: TTYD [chars]

**Explanation** The tty daemon miscellaneous message.

**Recommended Action** No action is required.

**Message** TTYD-6-TTYD\_PSS: TTYD Store error:[hex] [chars]

**Explanation** Failed to store configuration for TTY service.

**Recommended Action** No action is required.

## TUNNEL Messages

This section contains the TUNNEL messages.

### TUNNEL-2

**Message** TUNNEL-2-FEATURE\_ENABLE\_FAILED: failed to enable feature tunnel, reason [chars] ([hex])

**Explanation** Failed to enable feature tunnel, reason [char] ([int])

**Recommended Action** Check the failure reason and take appropriate action to fix the failure. if unable to fix, please capture “show tech-support tunnel”

**Message** TUNNEL-2-TM\_F2\_ONLY\_VDC: Tunnel feature is not supported in F2 only VDC

**Explanation** Tunnel feature is not supported in F2 only VDC

**Recommended Action** Disable the Tunnel feature by the CLI “no feature tunnel”

## TUNNEL-3

**Message** TUNNEL-3-HW\_PROGRAMMING\_FAILED: for [chars], reason [chars]

**Explanation** Hardware programming failed for tunnel [num] interface

**Recommended Action** Try 'shutdown' and a 'noshutdown' under tunnel interface submode after sometime. If still tunnel interface doesn't come up capture 'show tech-support tunnel' to identify the issue

## TUNNEL-4

**Message** TUNNEL-4-TM\_DF\_PROGRAMMING\_FAILED: [chars] DF(dont fragment) programming failed! status [hex]

**Explanation** [chars] DF programming failed! status [int]

**Recommended Action** Capture "show tech-support tunnel" to identify why DF flag programming failed

**Message** TUNNEL-4-TM\_DF\_PROGRAMMING: Programming [chars] DF (dont fragment) df.sel [dec] df.val [dec]

**Explanation** Programming [chars] DF df.sel [int] df.val [int]

**Recommended Action** No action is required.

**Message** TUNNEL-4-TM\_MTU\_PROGRAMMING\_FAILED: [chars] mtu [dec] programming failed! status [hex]

**Explanation** [chars] MTU [int] programming failed! status [int]

**Recommended Action** Capture show "tech-support tunnel" to identify why MTU programming as failed. Tunnel interface will used default MTU value.

**Message** TUNNEL-4-TM\_MTU\_PROGRAMMING: Programming [chars] mtu [dec]...

**Explanation** Programming [chars] mtu [int]

**Recommended Action** No action is required.

## TUNNEL-5

**Message** TUNNEL-5-IF\_CLEAR\_COUNTER: Interface [chars] counters is cleared

**Explanation** Interface [char] counters is cleared

**Recommended Action** No action is required.

**Message** TUNNEL-5-IF\_CREATED: Interface [chars] is created

**Explanation** Interface [char] is created

**Recommended Action** No action is required.

**Message** TUNNEL-5-IF\_CREATE\_FAILED: Interface [chars] creation failed due to [[hex]] [chars]

**Explanation** Interface [char] is creation failed due to [int] [char]

**Recommended Action** No action is required.

**Message** TUNNEL-5-IF\_DELETED: Interface [chars] is deleted

**Explanation** Interface [char] is deleted

**Recommended Action** No action is required.

**Message** TUNNEL-5-IF\_STATE\_UPDATE: Interface [chars] is [chars] reason [chars]

**Explanation** Interface [char] is [char] reason [char]

**Recommended Action** No action is required.

**Message** TUNNEL-5-PPF\_SESSION\_FAILED: session id %llx type [chars] for [chars] failed error [hex] [chars]

**Explanation** Session id [int] type [char] for [char] failed error [int] [char]

**Recommended Action** No action is required.

**Message** TUNNEL-5-TM\_DISABLED: Tunnel Disabled

**Explanation** Tunnel Service Disabled

**Recommended Action** No action is required.

**Message** TUNNEL-5-TM\_ENABLED: Tunnel Enabled

**Explanation** Tunnel Service Enabled

**Recommended Action** No action is required.

## TUNNEL-7

**Message** TUNNEL-7-TM\_INFO: [chars]

**Explanation** Tunnel Service info

**Recommended Action** No action is required.

## TUSCANY\_APP Messages

This section contains the TUSCANY\_APP messages.

### TUSCANY\_APP-SLOT#-2

**Message** TUSCANY\_APP-SLOT#-2-TUSCANY\_APP\_EXITED: Tuscany driver application exited (syserr = [dec], errno = [dec])

**Explanation** Tuscany driver application exited

**Recommended Action** No action is required.





## U to Z

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This chapter includes system messages for the Cisco NX-OS MDS 9000 families of switches. The messages are listed in alphabetical order by the system facility that produces them. Within each system facility section, messages are listed alphabetically by severity and mnemonics. Each message is followed by an explanation and a recommended action.

### U2RIB Messages

This section contains the U2RIB messages.

#### U2RIB-2

**Message** U2RIB-2-IPC\_PROCESSING\_ERR: Error in processing IPC message: Opcode = [dec], Error code = [hex]

**Explanation** U2RIB encountered an error in processing an MTS message. The error and message are specified in the error message

**Recommended Action** No action is required.

**Message** U2RIB-2-U2RIB\_INIT: U2RIB initialization of [chars] [chars]

**Explanation** U2RIB initialization failed

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

#### U2RIB-3

**Message** U2RIB-3-U2RIB\_LD\_BLNCE\_ERROR: Error in config. lb parameters using the DCEFIB Library, error code = [hex], [chars]

**Explanation** Error while communicating with the DEFFIB library.

**Recommended Action** No action is required.

## U2RIB-5

**Message** U2RIB-5-U2RIB\_DISABLED: U2RIB Disabled

**Explanation** U2RIB Service Disabled

**Recommended Action** No action is required.

**Message** U2RIB-5-U2RIB\_ENABLED: U2RIB Enabled

**Explanation** U2RIB Service enabled

**Recommended Action** No action is required.

## U2RIB-6

**Message** U2RIB-6-STATE\_CREATED: Internal state created [chars]

**Explanation** U2RIB has created its internal state stateless/stateful [chars].

**Recommended Action** No action is required.

## UDLD Messages

This section contains the UDLD messages.

### UDLD-3

**Message** UDLD-3-IDB\_ERROR: UDLD error handling [chars] interface: [chars]

**Explanation** A software error occurred in UDLD processing associated with a specific interface.

**Recommended Action** LOG\_STD\_SH\_TECH\_ACTION

**Message** UDLD-3-MSG\_SEND\_FAILURE: failed to send [chars] to sap [dec]: [chars]

**Explanation** Failed to send a message

**Recommended Action** LOG\_STD\_SH\_TECH\_ACTION

**Message** UDLD-3-UDLD\_INTERNAL\_ERROR: UDLD internal error: [chars]

**Explanation** A software sanity check failed in the course of UDLD processing.

**Recommended Action** LOG\_STD\_SH\_TECH\_ACTION

**Message** UDLD-3-UDLD\_INTERNAL\_IF\_ERROR: UDLD internal error, interface [chars]: [chars]

**Explanation** A software sanity check failed in the course of UDLD processing.

**Recommended Action** LOG\_STD\_SH\_TECH\_ACTION

## UDLD-4

**Message** UDLD-4-UDLD\_GWRAP\_COUNT: UDLD gwrap count is %lu, please log a 'show tech udd' for detail info.

**Explanation** UDLD gwrap count reached high level, show tech udd is needed to debug it.

**Recommended Action** LOG\_STD\_SH\_TECH\_ACTION

**Message** UDLD-4-UDLD\_NEIGHBOR\_MISMATCH: UDLD neighbor mismatch detected, exp: [chars], rec [chars]. Please collect debug info using: <http://zed.cisco.com/confluence/display/KGP/UDLD+debug>

**Explanation** An interface will be disabled because UDLD protocol detected a neighbor mismatch condition on the interface indicated. Cause is likely due to bad interface hardware or cable misconfiguration. User should investigate.

**Recommended Action** LOG\_STD\_SH\_TECH\_ACTION

**Message** UDLD-4-UDLD\_PORT\_DISABLED: Interface [chars], link error detected: [chars]. Please collect debug info using: <http://zed.cisco.com/confluence/display/KGP/UDLD+debug>

**Explanation** An interface was disabled because UDLD protocol detected the cause on the interface indicated. Cause is likely due to bad interface hardware or cable misconfiguration. User should investigate.

**Recommended Action** LOG\_STD\_SH\_TECH\_ACTION

**Message** UDLD-4-UDLD\_PORT\_RESET: UDLD reset interface [chars]

**Explanation** A port which had been disabled for UDLD has been reset.

**Recommended Action** LOG\_STD\_SH\_TECH\_ACTION

## UDLD-5

**Message** UDLD-5-UDLD\_AGGRESSIVE: UDLD Aggressive

**Explanation** UDLD Service Aggressive

**Recommended Action** No action is required.

**Message** UDLD-5-UDLD\_DISABLED: UDLD Disabled

**Explanation** UDLD Service Disabled

**Recommended Action** No action is required.

**Message** UDLD-5-UDLD\_ENABLED: UDLD Enabled

**Explanation** UDLD Service Enabled

**Recommended Action** No action is required.

## UFDM Messages

This section contains the UFDM messages.

### UFDM-2

**Message** UFDM-2-DNLD\_TIMEDOUT: Download timer expired: [chars]

**Explanation** UFDM download timer expired. Collect show tech-support forwarding l3 unicast for further analysis.

**Recommended Action** No action is required.

**Message** UFDM-2-FIB\_ROUTE\_UPDATE\_ERR: Route update error from slot [dec] FIB

**Explanation** FIB returned route update error. Collect show tech-support forwarding l3 unicast for further analysis.

**Recommended Action** No action is required.

**Message** UFDM-2-INTERNAL\_ERROR: Internal error: [chars], collect output of show tech-support forwarding l3 unicast... command

**Explanation** UFDM hit a internal error. Collect show tech-support forwarding l3 unicast for further analysis.

**Recommended Action** No action is required.

## USBHSD Messages

This section contains the USBHSD messages.

## USBHSD-1

**Message** USBHSD-1-MANUAL\_FORMAT: logflash needs to be formatted

**Explanation** Logflash is not accessible; use format logflash: to format it

**Recommended Action** No action is required.

## USBHSD-2

**Message** USBHSD-2-AUTO\_FORMAT: logflash auto-format [chars]

**Explanation** Logflash auto-format event

**Recommended Action** No action is required.

**Message** USBHSD-2-DISK\_BUSY\_FAILED: Cannot unmount [chars],

**Explanation** The specified disk interface is in use it can not be un-mounted, The user may experience file system corruption

**Recommended Action** Make sure slot0 is not being used either by mounting or by any command and re-insert the disk again

**Message** USBHSD-2-DISK\_FSCK\_FAIL: file system check returned error on slot [dec]

**Explanation** Flash file system may be corrupted, the flash was taken while it was being accessed

**Recommended Action** Reform at the external flash

**Message** USBHSD-2-DISK\_MOUNT\_FAIL: disk mount unsuccessful on [chars]

**Explanation** Unknown flash filesystem or not cleanly un-mounted

**Recommended Action** Use vfat flash only and make sure external slot is not being accessed then re-insert flash

**Message** USBHSD-2-DISK\_RESCAN\_FAIL: disk rescan unsuccessful on [chars]

**Explanation** Flash filesystem was not cleanly un-mounted

**Recommended Action** Make sure external slot is not being accessed and re-inset the flash

**Message** USBHSD-2-DISK\_UMOUNT\_FAIL: disk unmount unsuccessful for [chars]

**Explanation** Flash filesystem is busy the system could not un-mount it

**Recommended Action** Make sure external slot is not being accessed and re-inset the flash

**Message** USBHSD-2-FORK: fork failed ([chars] process)

**Explanation** The flash daemon failed to fork

**Recommended Action** No action is required.

**Message** USBHSD-2-INTERNAL\_ERROR: Internal Error [dec]

**Explanation** The flash daemon interface returns error

**Recommended Action** Restart the IDEHSD daemon

**Message** USBHSD-2-MOUNT: [chars] online

**Explanation** Flash daemon mounting slot

**Recommended Action** No action is required.

**Message** USBHSD-2-UMOUNT: [chars] offline

**Explanation** Flash daemon un-mounting slot

**Recommended Action** No action is required.

**Message** USBHSD-2-USB\_SWAP: USB insertion or removal detected

**Explanation** USB swap event

**Recommended Action** No action is required.

## USBHSD-3

**Message** USBHSD-3-DEVICEOPEN\_FAILED: device open failed. Component [chars]

**Explanation** The flash daemon device open failed The failure is due to the sub-component [chars]

**Recommended Action** No action is required.

## USBHSD-5

**Message** USBHSD-5-DISK\_SWAP: [chars] [chars]

**Explanation** Compact flash swap event

**Recommended Action** No action is required.

## USBHSD-6

**Message** USBHSD-6-DISK\_BUSY: trying to unmount disk [chars]

**Explanation** Flash daemon trying to un-mount busy slot

**Recommended Action** No action is required.

**Message** USBHSD-6-DISK\_EVENT: slot [dec] [chars]

**Explanation** Flash daemon found a disk hotswap handler event

**Recommended Action** No action is required.

**Message** USBHSD-6-IOCTL: ioctl: [chars] returns [dec]

**Explanation** Flash daemon trying to un-mount busy slot

**Recommended Action** No action is required.

**Message** USBHSD-6-STARTING: daemon started

**Explanation** The compact flash swap daemon successfully started

**Recommended Action** No action is required.

**Message** USBHSD-6-USBHSD\_INFO: [chars]

**Explanation** Flash daemon informational message

**Recommended Action** No action is required.

## USBHSD-7

**Message** USBHSD-7-USBHSD\_TRACE: [chars] () [chars]:[dec] disk=[dec]

**Explanation** Flash daemon debug message to trace code path

**Recommended Action** No action is required.

## USDBA-2

**Message** USDBA-2-USDBA\_CRC\_ERR: USDBA received packet(s) with CRC error

**Explanation** USDBA received packet(s) with CRC error on downlink(s)

**Recommended Action** use another optical cable and transceivers. If the problem still persists, change the peer ports, such as the remote port to another or the local port to another. Run the commands **diagnostic start module <mod> test all** and **show diagnostic result module <mod> test all detail**. The result will display the information about the failures in HW, if any.

## VAJRA\_USD Messages

This section contains the VAJRA\_USD messages.

### VAJRA\_USD-6

**Message** VAJRA\_USD-6-VAJRA\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## VAL\_USD Messages

This section contains the VAL\_USD messages.

### VAL\_USD-6

**Message** VAL\_USD-6-VAL\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.



## VDC\_MGR Messages

This section contains the VDC\_MGR messages.

### VDC\_MGR-2

**Message** VDC\_MGR-2-VDC\_CRITICAL: vdc\_mgr has hit a critical error: [chars]

**Explanation** Vdc\_mgr has hit a critical error

**Recommended Action** A critical error has been hit within vdc\_mgr. Please check show vdc to determine the state of the vdc

**Message** VDC\_MGR-2-VDC\_LIC\_WARN\_EXP: WARNING License for vdc is about to expire! VDCs will be deleted if license is allowed to expire

**Explanation** VDC license is close to expire

**Recommended Action** Please contact your sales representative to obtain a license

**Message** VDC\_MGR-2-VDC\_LIC\_WARN: Service using grace period will be shutdown in [dec] day(s)

**Explanation** The license for vdc is not installed and currently running in the grace period

**Recommended Action** Vdc will continue to work within the grace period, but obtaining a license is recommended

**Message** VDC\_MGR-2-VDC\_OFFLINE: vdc [dec] is now offline

**Explanation** The vdc has been shut down. Either it has been deleted or has just completed ungraceful cleanup

**Recommended Action** If the vdc was deleted, no action is necessary. Otherwise vdc\_mgr may attempt to recreate it according to the ha-policy that has been set

**Message** VDC\_MGR-2-VDC\_ONLINE: vdc [dec] has come online

**Explanation** Vdc\_mgr has finished creating a vdc and it is ready to use

**Recommended Action** No action is required.

**Message** VDC\_MGR-2-VDC\_UNALLOCATED: Module [dec] is unsupported by the current vdc and some of its ports have been placed in the unallocated pool.

**Explanation** The module is of a type unsupported by the current vdc. You can see port membership by 'show vdc membership' and check the current vdc's configuration through 'show vdc'

**Recommended Action** Allocate interfaces to a vdc that supports this module type or change the current vdc to support this module type via the 'limit-resource module-type' command

**Message** VDC\_MGR-2-VDC\_UNGRACEFUL: vdc\_mgr: Ungraceful cleanup request received for vdc [dec], restart count for this vdc is [dec] restarts within the last 5 minutes

**Explanation** Vdc\_mgr has begun ungraceful cleanup for a vdc

**Recommended Action** There has been a failure within the vdc and vdc\_mgr has begun the cleanup process. Use show vdc to determine its state

## VDC\_MGR-3

**Message** VDC\_MGR-3-VDC\_ERROR: vdc\_mgr: [chars]

**Explanation** Vdc\_mgr has received bad data but will try to continue

**Recommended Action** Vdc\_mgr will attempt to correct the error at hand

## VDC\_MGR-5

**Message** VDC\_MGR-5-VDC\_FEATURESET\_ALLOW: vdc\_mgr: Feature-set [chars] can now be used in this vdc

**Explanation** Allowed feature-set config has changed

**Recommended Action** No action is required.

**Message** VDC\_MGR-5-VDC\_FEATURESET\_DISALLOW: vdc\_mgr: Feature-set [chars] is now disallowed in this vdc

**Explanation** Allowed feature-set config has changed

**Recommended Action** No action is required.

**Message** VDC\_MGR-5-VDC\_HOSTNAME\_CHANGE: vdc [dec] hostname changed to [chars]

**Explanation** Host name for a vdc has changed.

**Recommended Action** No action is required.

**Message** VDC\_MGR-5-VDC\_MEMBERSHIP\_ADD: vdc\_mgr: Interface [chars] has been added to this vdc

**Explanation** A new interface has been added to this vdc

**Recommended Action** No action is required.

**Message** VDC\_MGR-5-VDC\_MEMBERSHIP\_DELETE: vdc\_mgr: Interface [chars] has been removed from this vdc

**Explanation** A new interface has been removed from this vdc

**Recommended Action** No action is required.

**Message** VDC\_MGR-5-VDC\_MODULETYPE: vdc\_mgr: Module type changed to [chars]

**Explanation** This vdc has been changed to support only the type of modules listed

**Recommended Action** No action is required.

**Message** VDC\_MGR-5-VDC\_STATE\_CHANGE: vdc [dec] state changed to [chars]

**Explanation** A vdc state change has happened. This is most likely due to a configuration change.

**Recommended Action** No action is required.

**Message** VDC\_MGR-5-VDC\_SWMODULETYPE: vdc\_mgr: System Module type changed to [chars]

**Explanation** This switch has been changed to support only the type of modules listed

**Recommended Action** No action is required.

## VEC Messages

This section contains the VEC messages.

### VEC-SLOT#-3

**Message** VEC-SLOT#-3-LOG\_DPP\_EXCEPTION: DPP Exception DPP [dec]

**Explanation** No action is required.

**Recommended Action** Vec

**Message** VEC-SLOT#-3-LOG\_GUID\_MISMATCH: GUID Mismatch DPP [dec] PWWN [chars] lun [chars] Expected [chars] Read [chars]

**Explanation** The disk GUID verification performed by the DPP failed. Access to the disk is denied.

**Recommended Action** No action is required.

## VEC-SLOT#-4

**Message** VEC-SLOT#-4-LOG\_DPP\_REBOOTED: DPP [dec] Rebooted

**Explanation** No action is required.

**Recommended Action** Vec

## VEC-SLOT#-5

**Message** VEC-SLOT#-5-LOG\_ERR\_VEC\_DISK: SCSI STATUS([hex]) [chars] SENSE\_KEY([hex]) [chars] ASC([hex]) ASCQ([hex]) [chars]

**Explanation** No action is required.

**Recommended Action** Vec

**Message** VEC-SLOT#-5-LOG\_ERR\_VEC\_DPP\_MON\_FSM: Illegal Event [chars] in State [chars] FSM [chars]

**Explanation** An Event is received for a State in the VEC DPP Monitor FSM which should not have occurred

**Recommended Action** No action is required.

**Message** VEC-SLOT#-5-LOG\_ERR\_VEC\_DPRLI\_FSM: Illegal Event [chars] in State [chars] FSM [chars]

**Explanation** An Event is received for a State in the VEC DPRLI FSM which should not have occurred

**Recommended Action** No action is required.

**Message** VEC-SLOT#-5-LOG\_ERR\_VEC\_GID\_FSM: Illegal Event [chars] in State [chars] FSM [chars]

**Explanation** An Event is received for a State in the VEC Guide ID FSM which should not have occurred

**Recommended Action** No action is required.

**Message** VEC-SLOT#-5-LOG\_ERR\_VEC\_HOST\_LMAP\_FSM: Illegal Event [chars] in State [chars] Host VSAN:[dec] Host pWWN:[chars] VEP pWWN:[chars]

**Explanation** An Event is received for a State in the VEC HOST LMAP XP FSM which should not have occurred

**Recommended Action** No action is required.

**Message** VEC-SLOT#-5-LOG\_ERR\_VEC\_HOST\_LOGO: Logging out Host [VSAN:[dec] pWWN:[chars]] logged in to VEP [pWWN:[chars]]. Reason: Host not responding

**Explanation** The Host HBA is logged out from the VEP as it is not responding to ADISCs initiated from the VEP

**Recommended Action** No action is required.

**Message** VEC-SLOT#-5-LOG\_ERR\_VEC\_HOST\_XP\_FSM: Illegal Event [chars] in State [chars] Host VSAN:[dec] Host pWWN:[chars] VEP pWWN:[chars]

**Explanation** An Event is received for a State in the VEC HOST XP FSM which should not have occurred

**Recommended Action** No action is required.

**Message** VEC-SLOT#-5-LOG\_ERR\_VEC\_HOST: Host VSAN:[dec] Host pWWN:[chars] access denied to VEP pWWN:[chars] due to licensing

**Explanation** The Host HBA is denied access to the VEP due to licensing

**Recommended Action** No action is required.

**Message** VEC-SLOT#-5-LOG\_ERR\_VEC\_NPORT\_FSM: Illegal Event [chars] in State [chars] FSM [chars]

**Explanation** An Event is received for a State in the VEC NPORT FSM which should not have occurred

**Recommended Action** No action is required.

**Message** VEC-SLOT#-5-LOG\_ERR\_VEC\_PID\_FSM: Illegal Event [chars] in State [chars] FSM [chars]

**Explanation** An Event is received for a State in the VEC PID FSM which should not have occurred

**Recommended Action** No action is required.

**Message** VEC-SLOT#-5-LOG\_ERR\_VEC\_TARGET\_FSM: Illegal Event [chars] in State [chars] FSM [chars]

**Explanation** An Event is received for a State in the VEC TARGET FSM which should not have occurred

**Recommended Action** No action is required.

**Message** VEC-SLOT#-5-LOG\_ERR\_VEC\_TCAM\_MON\_FSM: Illegal Event [chars] in State [chars] DPP: [dec]

**Explanation** An Event is received for a State in the VEC TCAM MON FSM which should not have occurred

**Recommended Action** No action is required.

**Message** VEC-SLOT#-5-LOG\_ERR\_VEC\_TP\_FSM: Illegal Event [chars] in State [chars] Host VSAN: [dec] TP nWWN: [chars] TP pWWN: [chars]

**Explanation** An Event is received for a State in the VEC TP FSM which should not have occurred

**Recommended Action** No action is required.

**Message** VEC-SLOT#-5-LOG\_ERR\_VEC\_VEP\_FSM: Illegal Event [chars] in State [chars] Host VSAN: [dec] VEP nWWN: [chars] VEP pWWN: [chars]

**Explanation** An Event is received for a State in the VEC VEP FSM which should not have occurred

**Recommended Action** No action is required.

**Message** VEC-SLOT#-5-LOG\_ERR\_VEC\_VEP\_ILC\_LIMIT: VEP [VSAN:[dec] pWWN :[chars]] could not be created. Reason: ILC VEP limit [dec] reached

**Explanation** The VEP could not be created as the per ILC limit of VEPs has been reached

**Recommended Action** No action is required.

**Message** VEC-SLOT#-5-LOG\_ERR\_VEC\_VLUN\_FSM: Illegal Event [chars] in State [chars] FSM [chars]

**Explanation** An Event is received for a State in the VEC VLUN FSM which should not have occurred

**Recommended Action** No action is required.

**Message** VEC-SLOT#-5-LOG\_ERR\_VEC\_VO\_FSM: Illegal Event [chars] in State [chars] FSM [chars]

**Explanation** An Event is received for a State in the VEC VO FSM which should not have occurred

**Recommended Action** No action is required.

**Message** VEC-SLOT#-5-LOG\_ERR\_VEC\_VSAN\_FSM: Illegal Event [chars] in State [chars] VSAN [dec]

**Explanation** An Event is received for a State in the VEC VSAN FSM which should not have occurred

**Recommended Action** No action is required.

**Message** VEC-SLOT#-5-LOG\_ERR\_VEC\_VSAN\_XCHG\_FSM: Illegal Event [chars] in State [chars] VES IP Addr [chars]

**Explanation** An Event is received for a State in the VEC VSAN XCHG FSM which should not have occurred

**Recommended Action** No action is required.

**Message** VEC-SLOT#-5-LOG\_NOTICE\_VEC\_SLEEP\_THRESH: VEC not scheduled for [dec] seconds

**Explanation** The VEC process sleep threshold was exceeded which should not have occurred. Recovery will be performed if appropriate.

**Recommended Action** No action is required.

**Message** VEC-SLOT#-5-LOG\_NOTICE\_VEC\_WORK\_THRESH: VEC did not yeild the cpu for [dec] seconds

**Explanation** The VEC process work threshold was exceeded which should not have occurred. Recovery will be performed if appropriate.

**Recommended Action** No action is required.

## VEDB\_MGR Messages

This section contains the VEDB\_MGR messages.

## VEDB\_MGR-2

**Message** VEDB\_MGR-2-MALLOC\_ERROR: Size [dec] bytes

**Explanation** The VEDB library could not allocate memory.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## VEDB\_MGR-6

**Message** VEDB\_MGR-6-EXITING: Exited due to [chars]

**Explanation** The VEDB library has exited due to [char]. The process has probably been restarted automatically.

**Recommended Action** No action is required.

**Message** VEDB\_MGR-6-SERVICE\_UP: Initialized [chars]

**Explanation** The VEDB library is up and ready to accept client requests The service was initialized in [char] mode.

**Recommended Action** No action is required.

## VES Messages

This section contains the VES messages.

### VES-SLOT#-4

**Message** VES-SLOT#-4-LOG\_WARNING\_VES\_CONFIG\_TOO\_BIG: Volume [chars] configuration too large to virtualize

**Explanation** The VES maximum volume configuration was exceeded. Volume will be virtualize by the cop.

**Recommended Action** No action is required.



## VES-SLOT#-5

**Message** VES-SLOT#-5-LOG\_ERR\_VES\_PATH\_FSM: disk guids dont match - received verify\_mismatch for pid [dec] from vec [dec]

**Explanation** An VERIFY MISMATCH Event is received for a State in the VES PATH FSM which should not have occurred

**Recommended Action** No action is required.

**Message** VES-SLOT#-5-LOG\_ERR\_VES\_VEP\_FSM: Illegal Event [chars] in State [chars] Host VSAN:[dec] VEP pWWN:[chars]

**Explanation** An Event is received for a State in the VES VEP FSM which should not have occurred

**Recommended Action** No action is required.

**Message** VES-SLOT#-5-LOG\_ERR\_VES\_VSAN\_FSM: Illegal Event [chars] in State [chars] VSAN [dec]

**Explanation** An Event is received for a State in the VES VSAN FSM which should not have occurred

**Recommended Action** No action is required.

**Message** VES-SLOT#-5-LOG\_ERR\_VES\_VSAN\_XCHG\_FSM: Illegal Event [chars] in State [chars] VEC IP Addr [chars]

**Explanation** An Event is received for a State in the VES VSAN XCHG FSM which should not have occurred

**Recommended Action** No action is required.

**Message** VES-SLOT#-5-LOG\_NOTICE\_VES\_SLEEP\_THRESH: VES not scheduled for [dec] seconds

**Explanation** The VES process sleep threshold was exceeded which should not have occurred. Recovery will be performed if appropriate.

**Recommended Action** No action is required.

**Message** VES-SLOT#-5-LOG\_NOTICE\_VES\_WORK\_THRESH: VES did not yeild the cpu for [dec] seconds

**Explanation** The VES process work threshold was exceeded which should not have occurred. Recovery will be performed if appropriate.

**Recommended Action** No action is required.

## VFC Messages

This section contains the VFC messages.

### VFC-3

**Message** VFC-3-VFC\_MEM\_ERROR: Memory consistency problem

**Explanation** Miscellaneous target error

**Recommended Action** No action is required.

**Message** VFC-3-VFC\_TGT\_ERROR: Target error: [chars] 0x%llx

**Explanation** Miscellaneous target error

**Recommended Action** No action is required.

### VFC-6

**Message** VFC-6-STARTING: daemon started

**Explanation** The VFC daemon successfully started

**Recommended Action** No action is required.

## VIPER\_CMN\_USD Messages

This section contains the VIPER\_CMN\_USD messages.

### VIPER\_CMN\_USD-6

**Message** VIPER\_CMN\_USD-6-VIPCMN\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## VIPER\_ICB\_USD Messages

This section contains the VIPER\_ICB\_USD messages.

## VIPER\_ICB\_USD-2

**Message** VIPER\_ICB\_USD-2-VIP\_ICB\_TEST: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## VIPER\_ICB\_USD-6

**Message** VIPER\_ICB\_USD-6-VIP\_ICB\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## VIPER\_MAC\_USD Messages

This section contains the VIPER\_MAC\_USD messages.

### VIPER\_MAC\_USD-6

**Message** VIPER\_MAC\_USD-6-VIPER\_MAC\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## VIPER\_XBAR\_USD Messages

This section contains the VIPER\_XBAR\_USD messages.

### VIPER\_XBAR\_USD-6

**Message** VIPER\_XBAR\_USD-6-VIPER\_XBAR\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## VIP\_FWD Messages

This section contains the VIP\_FWD messages.

## VIP\_FWD-6

**Message** VIP\_FWD-6-VIP\_FWD\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## VIP\_ILK Messages

This section contains the VIP\_ILK messages.

### VIP\_ILK-6

**Message** VIP\_ILK-6-VIP\_ILK\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## VLAN\_MGR Messages

This section contains the VLAN\_MGR messages.

### VLAN\_MGR-2

**Message** VLAN\_MGR-2-CRITICAL\_MSG: [chars]

**Explanation** VLAN Manager Critical Message

**Recommended Action** No action is required.

### VLAN\_MGR-3

**Message** VLAN\_MGR-3-ERROR\_MSG: [chars]

**Explanation** VLAN manager error

**Recommended Action** No action is required.

## VLAN\_MGR-4

**Message** VLAN\_MGR-4-WARN\_MSG: [chars]

**Explanation** VLAN manager warning

**Recommended Action** No action is required.

## VLAN\_MGR-5

**Message** VLAN\_MGR-5-NOTIF\_MSG: [chars]

**Explanation** VLAN Manager Notification Message

**Recommended Action** No action is required.

**Message** VLAN\_MGR-5-RESERVED\_VLAN\_RANGE\_CHANGED: New Reserved VLAN Range Configured From VLAN [dec] to VLAN [dec]

**Explanation** VLAN Manager Reserved VLAN Reconfiguration Message

**Recommended Action** No action is required.

## VLAN\_MGR-6

**Message** VLAN\_MGR-6-INFO\_MSG: [chars]

**Explanation** VLAN manager info

**Recommended Action** No action is required.

**Message** VLAN\_MGR-6-VLAN\_CREATED: VLAN [dec], created

**Explanation** VLAN created

**Recommended Action** No action is required.

**Message** VLAN\_MGR-6-VLAN\_MGR\_STATEFULL\_RESTART: VLAN Manager statefull restart

**Explanation** VLAN Manager stateful restart

**Recommended Action** No action is required.

**Message** VLAN\_MGR-6-VLAN\_MGR\_STATELESS\_RESTART: VLAN Manager stateless restart

**Explanation** VLAN Manager stateless restart

**Recommended Action** No action is required.

**Message** VLAN\_MGR-6-VLAN\_OPER\_STATUS\_CHG: VLAN [dec], status changed to [chars]

**Explanation** VLAN operational state change

**Recommended Action** No action is required.

## VMAN Messages

This section contains the VMAN messages.

### VMAN-2

**Message** VMAN-2-ACTIVATION\_STATE: [chars] [chars]' [chars] [chars]'

**Explanation** The activation state of the named virtual service has changed as notified by virt-manager.

**Recommended Action** In the failed case, check virt-managers logs for the cause of the failure. In the successful case, this notification can be ignored.'

**Message** VMAN-2-ALLOC\_VIRT\_INST\_RCS: Virtual Service [chars]

**Explanation** A memory allocation request failed to allocate a data structure required to activate the virtual service.

**Recommended Action** Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the Virtual-manager logs and scan them for the cause.

**Message** VMAN-2-COMMIT\_VIRT\_INST\_RCS: Virtual Service [chars]

**Explanation** The request to commit the resources required by the named virtual service failed.

**Recommended Action** Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

**Message** VMAN-2-CPUSHARES\_LIMIT: Virtual Service [chars]

**Explanation** The virtual service machine definition file is requesting more CPU shares than the system has available for virtual services.

**Recommended Action** Deactivate any other virtual services to free up CPU share resources and activate this virtual service. If that does not address the problem, then enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

**Message** VMAN-2-CPUTUNES\_INTERNAL\_ERROR: Virtual Service [chars]

**Explanation** virt-manager and its associated infrastructure experienced an internal error.

**Recommended Action** Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

**Message** VMAN-2-CPUTUNES\_SHARES\_LIMIT: Virtual Service [chars]

**Explanation** The virtual service machine definition file is requesting more CPU shares than the system has available for virtual services.

**Recommended Action** Deactivate any other virtual services to free up CPU share resources and activate this virtual service. If that does not address the problem, then enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

**Message** VMAN-2-CREATE\_VIRT\_INST\_ENTRY: Virtual Service [chars]

**Explanation** The request to create a DB entry for the named virtual service failed.

**Recommended Action** Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the Virtual-manager logs and scan them for the cause.

**Message** VMAN-2-DEFER\_VIRT\_INST\_PROC: Virtual Service [chars]

**Explanation** The final activation processing failed to successfully defer.

**Recommended Action** Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

**Message** VMAN-2-DISK\_IMAGE\_PATH: Virtual Service [chars]

**Explanation** The virtual service machine definition file contains an invalid disk image path for one of the disk devices. This may be a Hard disk, CDROM or USB storage device.

**Recommended Action** Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

**Message** VMAN-2-FIND\_VIRT\_INST\_ENTRY: Failed to find virtual service with id [dec] in the Virt-manager DB

**Explanation** The virtual service with the ID named could not be located in the virt-manager DB.

**Recommended Action** Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

**Message** VMAN-2-GENERAL\_FAILURE: Virtual Service [chars]

**Explanation** The named virtual service has triggered the log. Please interpret the log in the context of the virtual services.

**Recommended Action** No action is required

**Message** VMAN-2-HA\_SYNC\_ERR: [chars] [chars]' [chars]'

**Explanation** The ha-sync persistent storage disk for the virtual service cannot be watched for sync to standby RP.

**Recommended Action** Collect the virt-manager logs and scan them for the cause.

**Message** VMAN-2-INCONSISTENT\_CPUTUNES\_CONFIG: Virtual Service [chars]

**Explanation** The virtual service machine definition file is requesting invalid CPU tunes parameter.

**Recommended Action** Use a different valid machine definition file for the virtual service. If the problem persists, then enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

**Message** VMAN-2-INCONSISTENT\_MEM\_CONFIG: Virtual Service [chars]

**Explanation** The virtual service machine definition file is inconsistent in the specification of required memory via the <memory>

**Recommended Action** Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

**Message** VMAN-2-INSERT\_VIRT\_INST\_ENTRY: Virtual Service [chars]

**Explanation** Inserting the named virtual service into the virtual service DB tracked by virt-manager failed.

**Recommended Action** Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.



**Message** VMAN-2-INSTALL\_FAILURE: Virtual Service [chars]

**Explanation** The installation of the virtual service failed.

**Recommended Action** Enable the virt-manager trace logs and repeat the installation of the virtual service. Collect the virt-manager logs and scan them for the cause.

**Message** VMAN-2-INSTALL\_MEDIA\_RETRY: VMAN, VM install media still unavailable. [chars]

**Explanation** The install media was not detected. Waiting for udev to complete install media (hard-disk) detection.

**Recommended Action** After VMAN exceeds the maximum retry limit, verify if install media (hard-disk) is accessible and retry the installation again.

**Message** VMAN-2-INSTALL\_STATE: Successfully [chars] [chars]''

**Explanation** The installation state of the named virtual service has changed as notified by virt-manager.

**Recommended Action** In the failed case, check virt-managers logs for the cause of the failure. In the successful case, this notification can be ignored.

**Message** VMAN-2-INVALID\_ACT\_MSG: Virtual Service [chars]

**Explanation** The virtual service activate message was received, however, the data it contained could not be interpreted

**Recommended Action** Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

**Message** VMAN-2-INVALID\_DEACT\_MSG: Failed to process virtual service deactivate message

**Explanation** The virtual service deactivate message was received, however, the data it contained could not be interpreted

**Recommended Action** Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

**Message** VMAN-2-INVALID\_PACKAGE: Virtual Service [chars]

**Explanation** The package definition file for the named virtual service has failed to be validated and the virtual service will not run

**Recommended Action** Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause. The most likely cause would be that the package file has been corrupted during file transfer. The suggested action would be to redo the file transfer.

**Message** VMAN-2-INVALID\_UNPROV\_MSG: Failed to process virtual service unprovision message

**Explanation** The virtual service un-provision message was received, however, the data it contained could not be interpreted

**Recommended Action** Enable the Virt-manager trace logs and repeat the activation followed by deactivation and then un-provision of the virtual service. Collect the virt-manager logs and scan them for the cause.

**Message** VMAN-2-MACHINE\_TYPE\_NOT\_SUPPORTED: Virtual Service [chars]

**Explanation** The virtual service cannot be activated as the machine type specified is not supported; action Enable the support for the machine type and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

**Recommended Action** Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

**Message** VMAN-2-MACH\_PARSE\_FAILURE: Virtual Service [chars]

**Explanation** The named virtual service has an invalid parameter specified in the .xml file inside the .ova package

**Recommended Action** Fix the .xml file inside the .ova package to have valid values. Then retry installing and activating it

**Message** VMAN-2-MEMORY\_LIMIT\_WARN: Virtual service ([chars]) [chars] defines [dec] MB of Memory exceeding the maximum [dec] MB.

**Explanation** The virtual service machine definition file is requesting more memory for the specified profile, than the system has available for virtual services.

**Recommended Action** Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

**Message** VMAN-2-MEMORY\_LIMIT: Virtual Service [chars]

**Explanation** The virtual service machine definition file is requesting more memory than the system has available for virtual services.

**Recommended Action** Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

**Message** VMAN-2-MORETHANONE\_CPU\_TUNES\_CONFIG: Virtual Service [chars]

**Explanation** The virtual service machine definition file is requesting more than one CPU tunes parameter.

**Recommended Action** Use a different valid machine definition file for the virtual service. If the problem persists, then enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

**Message** VMAN-2-NETWORK\_CONFIG\_ERROR: Virtual Service [chars]

**Explanation** A network configuration error has been detected for the named virtual service.

**Recommended Action** No action is required

**Message** VMAN-2-PROCESS\_PKG\_DEF: Virtual Service [chars]

**Explanation** The virtual service package for the named virtual service has failed to be validated and the virtual service will not run.

**Recommended Action** Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

**Message** VMAN-2-PROC\_INT\_LIST: Virtual Service [chars]

**Explanation** The interface list embedded in the activate request for the named virtual service could not be processed.

**Recommended Action** Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

**Message** VMAN-2-REMOVE\_VIRT\_INST\_ENTRY: Virtual Service [chars]

**Explanation** Removing the named virtual service from the virtual service DB tracked by virt-manager failed.

**Recommended Action** Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

**Message** VMAN-2-SET\_VTX\_ROMVAR\_SPACE: Failed to set ROM monitor variable ENABLE\_VTX: No space in table

**Explanation** Failed to set ENABLE\_VTX ROM monitor variable due to no space in Monitor Variable Table.

**Recommended Action** Verify number of entries in Monitor Variable Table.

**Message** VMAN-2-SET\_VTX\_ROMVAR\_STRING: Failed to set ROM monitor variable ENABLE\_VTX: Invalid string format: [chars]

**Explanation** Failed to set ENABLE\_VTX ROM monitor variable due to invalid string format.

**Recommended Action** Verify format of string from error message.

**Message** VMAN-2-START\_FAILED: Virtual Device: [chars]

**Explanation** The named virtual service failed to start.

**Recommended Action** Enable the virt-manager trace logs and repeat the activation of the virtual service. Collect the virt-manager logs and scan them for the cause.

**Message** VMAN-2-VCPU\_INVALID: Virtual Service [chars]

**Explanation** The virtual service machine definition file is requesting invalid VCPU value.

**Recommended Action** Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.

**Message** VMAN-2-VCPU\_LIMIT: Virtual Service [chars]

**Explanation** The virtual service machine definition file is requesting more VCPUs than the system has reserved for virtual services.

**Recommended Action** Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.

**Message** VMAN-2-VIRT\_INST\_DISK: Virtual Service [chars]

**Explanation** The virtual service requires Disk Storage in excess of the Free Disk Storage available to virtual services.

**Recommended Action** Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.

**Message** VMAN-2-VIRT\_INST\_INTERFACE: Virtual Service [chars]

**Explanation** The number of configured virtual port group interfaces must match the number of Ethernet Network Interfaces defined in the machine definition file

**Recommended Action** Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.

**Message** VMAN-2-VIRT\_INST\_MEMORY: Virtual Service [chars]

**Explanation** The virtual service requires physical memory in excess of the free memory available to virtual services.

**Recommended Action** Enable the Virt-manager trace logs and repeat the activation of the virtual service. Collect the Virt-manager logs and scan them for the cause.

**Message** VMAN-2-VIRT\_INST\_MGMT\_INTERFACE: Virtual service [chars] has no management interface defined but it is configured in CLI.

**Explanation** A management interface is configured but none is defined.

**Recommended Action** Deactivate the virtual service, remove the management interface configuration CLI, and reactivate the virtual-service.

**Message** VMAN-2-VIRT\_INST\_STATE: Virtual Service [chars]

**Explanation** The named virtual service has failed. It is no longer running either because the guest OS has failed, the guest OS has shut down the machine or the emulator has failed.

**Recommended Action** An attempt at restarting the virtual service can be made from the IOS configuration by doing a no activate/activate. For debugging collect the Virt-manager logs and scan them for the cause.

## VMAN-3

**Message** VMAN-3-PSS\_ERR: Purpose: [chars], URI: [chars], errcode: [dec]

**Explanation** Persistent Storage Service handling error

**Recommended Action** Collect the Virt-manager logs and scan them for the cause.

**Message** VMAN-3-PSS\_SNAPSHOT\_ERR: Source URI: [chars], Destination URI: [chars], errcode: [dec]

**Explanation** Persistent Storage Service snapshot error

**Recommended Action** Collect the Virt-manager logs and scan them for the cause.

**Message** VMAN-3-SDWRAP\_ERR: Description: [chars], errcode: [dec]

**Explanation** Debug infrastructure error

**Recommended Action** Collect the Virt-manager logs and scan them for the cause.

## VMAN-4

**Message** VMAN-4-WATCHDOG\_TIMER: [chars] [chars]' [chars] [chars]'

**Explanation** The watchdog timer configured for the named virtual service has expired.

**Recommended Action** Check any logs produced by the virtual service to determine the cause.

## VMAN-5

**Message** VMAN-5-AUX: Virtual Service [chars]

**Explanation** The AUX login to a virtual service may allow the user access to system functions that may not have been tested or may interact with the system in unintended ways. Use with caution.

**Recommended Action** No action is required

**Message** VMAN-5-UNSIGNED\_PACKAGE: Unsigned software package [chars] loaded for service container [chars].

**Explanation** A software package without a code signing certificate has been loaded.

**Recommended Action** Take note of the service container and software package. Verify the software package is expected to be unsigned and has the appropriate contents. Un-install the package if unsure of the package origins.

**Message** VMAN-5-VIRT\_INST: LOG FROM VIRTUAL SERVICE [chars]: [chars]

**Explanation** The named virtual service has triggered the log. Please interpret the log in the context of the virtual services.

**Recommended Action** No action is required

## VMM Messages

This section contains the VMM messages.

## VMM-2

**Message** VMM-2-VMM\_DBG\_SEQDELAY\_LOG: VDC[dec]: Sending [chars] mts([chars]) request to service [dec] for slot [dec].

**Explanation** VMM sent request for the sap mentioned

**Recommended Action** No action is required.

**Message** VMM-2-VMM\_SERVICE\_ERR: VDC[dec]: Service SAP [chars] for slot [chars] returned error [hex] ([chars]) in [chars] sequence

**Explanation** Service returned error in the specified sequence

**Recommended Action** No action is required.

**Message** VMM-2-VMM\_TIMEOUT: VDC[dec]: Service SAP [chars] for slot [chars] timed out in [chars] sequence

**Explanation** Service did not respond in the specified sequence

**Recommended Action** No action is required.

## VNI Messages

This section contains the VNI messages.

### VNI-2

**Message** VNI-2-ALLOC\_MEMORY: Memory allocation failed

**Explanation** The service failed to allocate a block of dynamic memory.

**Recommended Action** No action is required.

### VNI-3

**Message** VNI-3-INIT\_FAILED: Initialization failed. Component [chars]

**Explanation** The service failed to start. The failure occurred while initializing the component [chars].

**Recommended Action** Show processes to check the status of the other processes, debug the specified component.

## VNI-6

**Message** VNI-6-INTERFACE\_EVENT: VSAN interface [chars] [chars]

**Explanation** The specified VSAN Interface has been successfully [chars].

**Recommended Action** No action is required.

**Message** VNI-6-STARTING: Virtual Network Interface Manager started

**Explanation** The service has successfully started.

**Recommended Action** No action is required.

**Message** VNI-6-VSAN\_DELETED: VSAN [dec] has been deleted

**Explanation** The specified VSAN has been deleted. The service will delete all the configuration on that VSAN.

**Recommended Action** No action is required.

## VNTAGC Messages

This section contains the VNTAGC messages.

### VNTAGC-5

**Message** VNTAGC-5-VNTAGC\_GENERIC\_SYSLOG: [chars]

**Explanation** This syslog is used for the purpose of internal debugging of VNTAG client.

**Recommended Action** If this log is seen, then the syslog level might be set to notifications (5). Please modify syslog level accordingly or ignore this syslog, as no action is required for the same.

## VNTAG\_MGR Messages

This section contains the VNTAG\_MGR messages.



## VNTAG\_MGR-2

**Message** VNTAG\_MGR-2-MCAST\_DVIF\_ALLOC\_FAILURE: DVIF allocation failure during MCAST group creation. TCB RID: [hex]. MCAST LTL: [hex]. Reason: [chars].

**Explanation** MCAST DVIF allocation for MCAST group.

**Recommended Action** No action is required.

**Message** VNTAG\_MGR-2-VLAN\_DVIF\_ALLOC\_FAILURE: DVIF allocation failure for VLANs [chars]. Reason: [chars].

**Explanation** Flood DVIF allocation failure for VLANs.

**Recommended Action** No action is required.

**Message** VNTAG\_MGR-2-VNTAG\_MGR\_OMF\_DVIF\_ALLOC\_FAIL: OMF DVIF allocation failed (DVIF exhaustion). To enable OMF you need to shut down a VLAN/MCAST group

**Explanation** OMF DVIF reservation failed (dvif exhaustion). To enable OMF a VLAN or MCAST group needs to be disabled to get a free dvif.

**Recommended Action** No action is required.

**Message** VNTAG\_MGR-2-VNTAG\_SEQ\_ERROR: [chars]

**Explanation** Some step in an event sequence has failed

**Recommended Action** No action is required.

**Message** VNTAG\_MGR-2-VNTAG\_SEQ\_TIMEOUT: [chars]

**Explanation** Event sequence timeout

**Recommended Action** No action is required.

## VNTAG\_MGR-4

**Message** VNTAG\_MGR-4-VNTAG\_MIXED\_FPC\_HIFPC\_PAYLOAD: [chars]

**Explanation** This not allowed from PIXM itself, but could happen due to some incorrect MBL batching.

**Recommended Action** No action is required.

**Message** VNTAG\_MGR-4-VNTAG\_PRUNED\_L3\_PORT: Port [hex] will not be added to FEX forwarding table as it is a L3 port.

**Explanation** To avoid sending multi destination traffic to L3 ports we do not add them to FEX forwarding table.

**Recommended Action** No action is required.

## VNTAG\_MGR-5

**Message** VNTAG\_MGR-5-VNTAG\_MGR\_DISABLED: VNTag Manager Disabled

**Explanation** VNTag Manager Service Disabled

**Recommended Action** No action is required.

**Message** VNTAG\_MGR-5-VNTAG\_MGR\_ENABLED: VNTag Manager Enabled

**Explanation** VNTag Manager Service Enabled

**Recommended Action** No action is required.

**Message** VNTAG\_MGR-5-VNTAG\_MGR\_GENERIC\_SYSLOG: [chars]

**Explanation** VNTag Manager Generic Syslog

**Recommended Action** No action is required.

## VPC Messages

This section contains the VPC messages.

### VPC-2

**Message** VPC-2-PEER\_KEEP\_ALIVE\_RECV\_FAIL: In domain [dec], VPC peer keep-alive receive has failed

**Explanation** Peer keep-alive receive failed

**Recommended Action** No action is required.

**Message** VPC-2-PEER\_KEEP\_ALIVE\_SEND\_FAIL: In domain [dec], VPC peer keep-alive send has failed

**Explanation** Peer keep-alive send failed

**Recommended Action** No action is required.

**Message** VPC-2-PEER\_VPC\_RESP\_TIMEDOUT: Failed to receive response from peer for vPC: [dec]

**Explanation** VPC bringup failed

**Recommended Action** No action is required.

**Message** VPC-2-TRACK\_INTFS\_DOWN: In domain [dec], vPC tracked interfaces down, suspending all vPCs and keep-alive

**Explanation** VPC tracked object down

**Recommended Action** No action is required.

**Message** VPC-2-VPC\_ADD\_L3\_BKUP\_VLAN\_TO\_PEER\_GW\_EXCLUDE\_LIST: Exclude L3 backup routing VLAN from vpc peer-gateway config.

**Explanation** Triggered when peer-link is F1 and peer-gateway is configured without exclude-vlan list.

**Recommended Action** No action is required.

**Message** VPC-2-VPC\_CORE\_PORT\_FPATH\_BUP\_FAILED: Failed to bring up vPC+ peer link port [chars] in Fabric Path Port Mode - vPC+ Fabric Path switch ID not configured

**Explanation** VPC+ Failed to bringup peer-link - switch-ID not configured

**Recommended Action** No action is required.

**Message** VPC-2-VPC\_ES\_FAILED\_LID\_ALLOC: Failed to negotiate common LID between vPC peers.

**Explanation** Failed to find common lid.

**Recommended Action** No action is required.

**Message** VPC-2-VPC\_ES\_FAILED\_PEERLINK\_DOWN: vPC+ operations failed. Bringing down peer-link.

**Explanation** Triggered in mcecm\_em\_es\_failed. Bring down peer-link.

**Recommended Action** No action is required.

**Message** VPC-2-VPC\_ES\_PEER\_LINK\_OPERATION\_FAILED: Peer-link operation failed due to SAP [dec].

**Explanation** Triggered in mcecm\_cfg\_es\_failed when peer-link bringup fails.

**Recommended Action** No action is required.

**Message** VPC-2-ASIC\_FAILURE\_NOTIF: ASIC failure received from nohms in domain [dec]

**Explanation** ASIC failure notification: From the code, the switch detects an ASIC error and tries to recover the error by suspend vPC Keepalive, suspend vPCs and flap peer link.

**Recommended Action** Locate the module from the error message and replace the module. If the problem happens to multiple linecard or chassis, please contact TAC.

**Message** VPC-2-VPC\_GRACEFUL\_SUSP\_ALL\_VPC: Operational graceful type-1 check configuration changed, reinstating all vPCs

**Explanation** Graceful configuration change, reinit vPCs

**Recommended Action** No action is required.

**Message** VPC-2-VPC\_ISSU\_END: Peer vPC switch ISSU end, unlocking configuration

**Explanation** Peer vPC switch issu end

**Recommended Action** No action is required.

**Message** VPC-2-VPC\_ISSU\_START: Peer vPC switch ISSU start, locking configuration

**Explanation** Peer vPC switch issu start

**Recommended Action** No action is required.

**Message** VPC-2-VPC\_LC\_FAIL: LC [dec] does not support required hardware for vPC; run show vdc membership status' for port status'

**Explanation** LC insertion failed

**Recommended Action** No action is required.

**Message** VPC-2-VPC\_NON\_DEF\_LID: vPC+ negotiated non-default local id. Flapping orphan edge ports recommended.

**Explanation** Triggered in mcecm\_em\_es\_failed. Bring down peer-link.

**Recommended Action** No action is required.

**Message** VPC-2-VPC\_PEER\_LINK\_FPATH\_BUP\_FAILED: Failed to bring up vPC+ peer link port [chars] - port [chars] is not configured as a Fabric Path port

**Explanation** VPC+ Failed to bringup Peer-link - not in Fabric Path mode

**Recommended Action** No action is required.

**Message** VPC-2-VPC\_PSS\_ERROR: [chars], 0x([hex]) present in VPC DB but not is IM DB

**Explanation** Triggered when vPC DB and IM SDB are inconsistent

**Recommended Action** No action is required.

**Message** VPC-2-VPC\_SUSP\_ALL\_VPC: Peer-link going down, suspending all vPCs on secondary

**Explanation** Peer link down suspend vPCs

**Recommended Action** No action is required.

**Message** VPC-2-VPC\_SVI\_EXCLUDE: vPC [dec] has up vlans [chars] which are excluded from suspension on dual-active

**Explanation** VPC track object un-configured

**Recommended Action** No action is required.

**Message** VPC-2-VPC\_SDB\_UPD\_FAIL: Failed to update shared database. De-config and config vPC [dec] to be consistent.

**Explanation** SDB update failed while updating

**Recommended Action** No action is required.

## VPC-3

**Message** VPC-3-GLOBAL\_CONSISTENCY\_FAILED: In domain [dec], global configuration is not consistent ([chars])

**Explanation** Global compact-check failed

**Recommended Action** No action is required.

**Message** VPC-3-INTF\_CONSISTENCY\_FAILED: In domain [dec], VPC [dec] configuration is not consistent ([chars])

**Explanation** MCEC compact-check failed

**Recommended Action** No action is required.

**Message** VPC-3-PEER\_UNREACHABLE: Remote Switch Unreachable

**Explanation** Peer unreachable

**Recommended Action** No action is required.

**Message** VPC-3-PEER\_VPC\_BRINGUP\_FAILED: Peer vPC [dec] bringup failed ([chars])

**Explanation** Peer vPC bringup failed

**Recommended Action** No action is required.

**Message** VPC-3-VPCM\_ASSERTION\_FAILED: [chars]

**Explanation** VPCM has hit an assert condition at file [chars]

**Recommended Action** No action is required.

**Message** VPC-3-VPCM\_INIT\_FAIL: vPC Manager Initialization Failed ([chars])

**Explanation** VPCM Initialization failed. due to [chars]

**Recommended Action** No action is required.

**Message** VPC-3-VPCM\_INTERNAL\_ERR: [chars]

**Explanation** VPCM encountered an internal error due to [chars]

**Recommended Action** No action is required.

**Message** VPC-3-VPCM\_MTS\_ERR: [chars]

**Explanation** VPCM encountered an MTS error due to [chars]

**Recommended Action** No action is required.

**Message** VPC-3-VPC\_BRINGUP\_FAILED: vPC [dec] bringup failed ([chars])

**Explanation** VPC bringup failed

**Recommended Action** No action is required.

**Message** VPC-3-VPC\_PEER\_LINK\_BRINGUP\_FAILED: vPC peer-link bringup failed ([chars])

**Explanation** VPC Peer-link bringup failed

**Recommended Action** No action is required.

**Message** VPC-3-VPC\_PEER\_LINK\_DOWN: VPC Peer-link is down

**Explanation** VPC Peer link is down

**Recommended Action** No action is required.

## VPC-4

**Message** VPC-4-FTAG\_UPD\_PORT\_DWN: Warning: receive FTAG update while port is going down

**Explanation** Receive FTAG update while port is going down

**Recommended Action** No action is required.

**Message** VPC-4-OOB\_DWN\_BUT\_WAS\_ALIVE: Warning: Bring up peer-link when peer keep-alive is down

**Explanation** Try to bring up MCT when OOB fails.

**Recommended Action** No action is required.

**Message** VPC-4-PEER\_VPC\_DELETED: Peer vPC [dec] deleted

**Explanation** Peer vPC configuration deleted

**Recommended Action** No action is required.

**Message** VPC-4-VPC\_CONSISTENCY\_NEW\_VLAN\_FAIL: Global Consistency check for vPC failed for new vlans

**Explanation** Global Consistency check for vPC failed for new vlans

**Recommended Action** No action is required.

**Message** VPC-4-VPC\_DELETED: vPC [dec] is deleted

**Explanation** VPC configuration deleted

**Recommended Action** No action is required.

**Message** VPC-4-VPC\_DISABLE\_IP\_REDIRECTS: peer-gateway enabled. Disabling IP redirects on all interface-vlans of this vPC domain for correct operation of this feature.

**Explanation** Peer-gateway enabled, hence IP redirects on SVIs are disabled

**Recommended Action** No action is required.

**Message** VPC-4-VPC\_LC\_UPG\_OVER\_DELIVERY\_FAIL: Failed to deliver LC upgrade to vPC peer

**Explanation** Failed to deliver LC upgrade to peer

**Recommended Action** No action is required.

**Message** VPC-4-VPC\_PEER\_LINK\_DELETED: vPC Peer-link deleted. This will bring down all vPC interfaces

**Explanation** VPC Peer-link configuration removed

**Recommended Action** No action is required.

**Message** VPC-4-VPC\_PEER\_ROLE\_CHANGE: In domain [dec], VPC peer role status has changed to [chars]

**Explanation** VPC Peer role status changed to (Primary/Secondary)

**Recommended Action** No action is required.

**Message** VPC-4-VPC\_PER\_VLAN\_NO\_SUPPORT: image that does not support per-vlan type-1 check will not bring down/up any vlan (i.e. nothing will happen) until next compat-check.

**Explanation** Triggered when ISSU/ISSD to an image which does not support per-vlan compat-check

**Recommended Action** No action is required.

**Message** VPC-4-VPC\_PER\_VLAN\_CONSISTENCY\_FAILED: Global consistency check for vPC failed for few vlans

**Explanation** Global Consistency check for vPC failed for few vlans

**Recommended Action** No action is required.

**Message** VPC-4-VPC\_REINITIALIZED: Reinitializing vpcs assuming peer dead

**Explanation** Initializing vpcs assuming peer dead

**Recommended Action** No action is required.

**Message** VPC-4-VPC\_ROLE\_CHANGE: In domain [dec], VPC role status has changed to [chars]

**Explanation** VPC role status changed to (Primary/Secondary)

**Recommended Action** No action is required.



## VPC-5

**Message** VPC-5-GLOBAL\_CONSISTENCY\_SUCCESS: In domain [dec], global configuration is consistent

**Explanation** Global compact-check passed

**Recommended Action** No action is required.

**Message** VPC-5-INTF\_CONSISTENCY\_SUCCESS: In domain [dec], vPC [dec] configuration is consistent

**Explanation** VPC configuration is consistent

**Recommended Action** No action is required.

**Message** VPC-5-PEER\_KEEP\_ALIVE\_RECV\_INT\_LATEST: In domain [dec], VPC peer-keepalive received on interface [chars]

**Explanation** VPC peer-keepalive receive interface changed

**Recommended Action** No action is required.

**Message** VPC-5-PEER\_KEEP\_ALIVE\_RECV\_SUCCESS: In domain [dec], vPC peer keep-alive receive is successful

**Explanation** Peer keep-alive receive successful

**Recommended Action** No action is required.

**Message** VPC-5-PEER\_KEEP\_ALIVE\_SEND\_INT\_LATEST: In domain [dec], VPC peer-keepalive sent on interface [chars]

**Explanation** VPC peer-keepalive send interface changed

**Recommended Action** No action is required.

**Message** VPC-5-PEER\_KEEP\_ALIVE\_SEND\_SUCCESS: In domain [dec], vPC peer keep-alive send is successful

**Explanation** Peer keep-alive send successful

**Recommended Action** No action is required.

**Message** VPC-5-PEER\_KEEP\_ALIVE\_STATUS: In domain [dec], peer keep-alive status changed to [chars]

**Explanation** Peer keep-alive (oob) status is changed to <peer-alive

**Recommended Action** Peer-not-alive

**Message** VPC-5-ROLE\_PRIORITY\_CFGD: In domain [dec], vPC role priority changed to [dec]

**Explanation** Role priority configured

**Recommended Action** No action is required.

**Message** VPC-5-SYSTEM\_MAC\_CFGD: In domain [dec], vPC system-mac changed to [chars]

**Explanation** System mac configured

**Recommended Action** No action is required.

**Message** VPC-5-SYSTEM\_PRIO\_CFGD: In domain [dec], vPC system priority changed to [dec]

**Explanation** System priority changed

**Recommended Action** No action is required.

**Message** VPC-5-VPCM\_DISABLED: vPC Manager disabled

**Explanation** VPCM Service Disabled

**Recommended Action** No action is required.

**Message** VPC-5-VPCM\_ENABLED: vPC Manager enabled

**Explanation** VPCM Service Enabled

**Recommended Action** No action is required.

**Message** VPC-5-VPC\_DELAY\_SVI\_BUP\_TIMER\_EXPIRED: vPC restore, delay interface-vlan bringup timer expired, reiniting interface-vlans

**Explanation** VPC delay interface-vlan restore timer expired

**Recommended Action** No action is required.

**Message** VPC-5-VPC\_DELAY\_SVI\_BUP\_TIMER\_START: vPC restore, delay interface-vlan bringup timer started

**Explanation** VPC delay interface-vlan restore timer start

**Recommended Action** No action is required.

**Message** VPC-5-VPC\_DOWN: vPC [dec] is down ([chars])

**Explanation** VPC is down (reason)

**Recommended Action** No action is required.

**Message** VPC-5-VPC\_PEER\_LINK\_UP: vPC Peer-link is up

**Explanation** VPC Peer-link is up

**Recommended Action** No action is required.

**Message** VPC-5-VPC\_RESTORE\_TIMER\_EXPIRED: vPC restore timer expired, reiniting vPCs

**Explanation** VPC restore timer expired

**Recommended Action** No action is required.

**Message** VPC-5-VPC\_RESTORE\_TIMER\_START: vPC restore timer started to reinit vPCs

**Explanation** VPC restore timer start

**Recommended Action** No action is required.

**Message** VPC-5-VPC\_ROLE\_PREMPT: In domain [dec], vPC role pre-emption triggered

**Explanation** VPC preemption triggered

**Recommended Action** No action is required.

**Message** VPC-5-VPC\_UP: vPC [dec] is up

**Explanation** MCEC is UP

**Recommended Action** No action is required.

## VPC-6

**Message** VPC-6-PEER\_LOCK\_FAILED: Locking failed on peer switch - Aborting upgrade!!

**Explanation** Locking failed on peer switch

**Recommended Action** No action is required.

**Message** VPC-6-PEER\_VPC\_CFGD\_VLANS\_CHANGED: Peer vPC [dec] configured vlans changed

**Explanation** Remote MCEC configured vlans Changed

**Recommended Action** No action is required.

**Message** VPC-6-PEER\_VPC\_CFGD: peer vPC [dec] is configured

**Explanation** VPC is configured

**Recommended Action** No action is required.

**Message** VPC-6-PEER\_VPC\_DOWN: Peer vPC [dec] is down ([chars])

**Explanation** Peer vPC is down

**Recommended Action** No action is required.

**Message** VPC-6-PEER\_VPC\_UP: Peer vPC [dec] is up

**Explanation** Peer vPC is up

**Recommended Action** No action is required.

**Message** VPC-6-STATS\_CLEARED: vPC Statistics Cleared

**Explanation** VPC statistics cleared

**Recommended Action** No action is required.

**Message** VPC-6-TRACK\_OBJ\_CONFIGURED: In domain [dec], track object configured [dec]

**Explanation** VPC track object configured

**Recommended Action** No action is required.

**Message** VPC-6-TRACK\_OBJ\_DELETED: In domain [dec], track object deleted

**Explanation** VPC track object un-configured

**Recommended Action** No action is required.

**Message** VPC-6-TYPE1\_PARAM\_CHANGED: TYPE-1 parameters changed: [chars]

**Explanation** Type-1 Parameters Changed

**Recommended Action** No action is required.

**Message** VPC-6-VPCM\_INTERNAL\_INFO: [chars]

**Explanation** VPCM got an internal info [chars]

**Recommended Action** No action is required.

**Message** VPC-6-VPC\_ALLOWED\_VLAN\_CHANGED: vPC [dec] operational vlans changed

**Explanation** Operational vlans changed on vPC

**Recommended Action** No action is required.

**Message** VPC-6-VPC\_CFGD: vPC [dec] is configured

**Explanation** VPC is configured

**Recommended Action** No action is required.

**Message** VPC-6-VPC\_CONSISTENCY\_CHECK\_BYPASS: Bypassing consistency check for vPC: [dec]

**Explanation** Bypassing consistency check for vpcs

**Recommended Action** No action is required.

**Message** VPC-6-VPC\_CONSISTENCY\_NEW\_VLAN\_PASS: Global Consistency check for vPC passed for new vlans

**Explanation** Global Consistency check for vPC passed for new vlans

**Recommended Action** No action is required.

**Message** VPC-6-VPC\_DOMAIN\_ID\_CFGD: vPC domain-id configured to [dec]

**Explanation** VPC domain-id configured

**Recommended Action** No action is required.

**Message** VPC-6-VPC\_ES\_EGRESS\_DF\_STATE\_CHANGED: Egress designated forwarder state changed from [chars] to [chars] for vPC [dec].

**Explanation** DF state changed for some vPC.

**Recommended Action** No action is required.

**Message** VPC-6-VPC\_ES\_ID\_CFGD: Fabricpath switch ID [dec] configured

**Explanation** Fabricpath switch ID configured

**Recommended Action** No action is required.

**Message** VPC-6-VPC\_ES\_ID\_REMOVED: Fabricpath switch ID [dec] removed

**Explanation** Fabricpath switch ID removed

**Recommended Action** No action is required.

**Message** VPC-6-VPC\_PEER\_LINK\_CFGD: vPC peer-link is configured

**Explanation** VPC Peer-link is configured

**Recommended Action** No action is required.

**Message** VPC-6-VPC\_PER\_VLAN\_CONSISTENCY\_PASSED: Global Consistency check for vPC passed for all vlans

**Explanation** Global Consistency check for vPC passed for all vlans

**Recommended Action** No action is required.

## VPM Messages

This section contains the VPM messages.

### VPM-2

**Message** VPM-2-GENERAL\_ERROR: [chars]

**Explanation** The VP Manager has encountered a critical error. The description of error is [str.]

**Recommended Action** No action is required.

**Message** VPM-2-MALLOC\_ERROR: Size [dec] bytes

**Explanation** The VP Manager could not allocate memory.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** VPM-2-PSS\_ERROR: [chars]

**Explanation** The VP Manager encountered error while operating on a persistent storage database.

**Recommended Action** No action is required.

**Message** VPM-2-VPMON\_CRIT: [chars] [dec]

**Explanation** VPMON daemon critical message

**Recommended Action** No action is required.

**Message** VPM-2-VPMON\_DPP\_DOWNLOAD: HB failure, Restarting the DPP [dec]

**Explanation** VPMON daemon re-downloading DPP(s)

**Recommended Action** ISAPI API users need to re-download config data to fast path

**Message** VPM-2-VPMON\_DPP\_RELOAD\_FORCE: Force reload of DPP(s) [chars]: [chars]

**Explanation** VPMON daemon critical action message

**Recommended Action** No action is required.

## VPM-3

**Message** VPM-3-PSS\_SYNC\_TO\_STNDBY\_FAILED: PSS TYPE=[chars] KEY=[chars]

**Explanation** Could not send PSS Sync. notification to Standby Supervisor. PSS Type=[str.] Operation=[.str] Key=[Str.]

**Recommended Action** No action is required.

**Message** VPM-3-SEND\_TO\_ILC\_FAILED: [chars]

**Explanation** The VP Manager could not send to ILC for DG=[chars], at slot=[dec] processor=[dec] and SAP=[dec].

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** VPM-3-SEND\_TO\_SNMP\_AGENT\_FAILED: [chars]

**Explanation** The VP Manager could not send to SNMP Agent for DG=[chars].

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** VPM-3-UNKNOWN\_MSG: Recvd. from Node=[dec] SAP=[dec]

**Explanation** The VP Manager has received an unknown message from [dec].[dec]. This information is for debugging only.

**Recommended Action** No action is required.

**Message** VPM-3-VPM\_PSS\_CORRUPTED: [chars] PSS found corrupted

**Explanation** The VP Manager has detected corruption in one of its persistent information database. The database would be recreated.

**Recommended Action** No action is required.

## VPM-4

**Message** VPM-4-PSS\_VERSION\_MISMATCH: PSS [dec] Code [dec]

**Explanation** There was a version mismatch between the VP Manager and one of its persistent storage databases. The persistent information has been translated to the new format.

**Recommended Action** No action is required.

## VPM-6

**Message** VPM-6-BECAME\_ACTIVE: Became ACTIVE from standby mode

**Explanation** The VP Manager on the standby supervisor became active and it is ready to serve client requests.

**Recommended Action** No action is required.

**Message** VPM-6-BECAME\_STDBY: Became STANDBY from active mode

**Explanation** The VP Manager became standby from active mode.

**Recommended Action** No action is required.



**Message** VPM-6-DG\_DEREGISTERED: [chars]

**Explanation** The VP Manager has deregistered DG [chars] at slot=[dec] processor=[dec] and SAP=[dec].

**Recommended Action** No action is required.

**Message** VPM-6-DG\_REGISTERED: [chars]

**Explanation** The VP Manager has registered DG [chars] from slot=[dec] processor=[dec] and SAP=[dec].

**Recommended Action** No action is required.

**Message** VPM-6-EXITING: Exited due to [chars]

**Explanation** The VP Manager process has exited due to [char]. The process has probably been restarted automatically.

**Recommended Action** No action is required.

**Message** VPM-6-FAILED\_TO\_SEND\_HEARTBEAT: Failed to send heartbeat to system manager: Reason=[chars]

**Explanation** The VP Manager was unable to send heartbeat to the system manger

**Recommended Action** No action is required.

**Message** VPM-6-GENERAL\_EVENT: [chars]

**Explanation** The VP Manager has generated an important event. The description of the event is [str.]

**Recommended Action** No action is required.

**Message** VPM-6-PSS\_CREATED: [chars] PSS Created

**Explanation** One of the persistent information database of VP Manager has been recreated

**Recommended Action** No action is required.

**Message** VPM-6-PSS\_DESTROYED: [chars] PSS Destroyed

**Explanation** One of the persistent information databases of Vp Manager has been intentionally destroyed and would be recreated.

**Recommended Action** No action is required.

**Message** VPM-6-SERVICE\_UP: Initialized [chars]

**Explanation** The VP Manager is up and ready to accept client requests The service was initialized in [char] mode.

**Recommended Action** No action is required.

**Message** VPM-6-SWITCHOVER: Switching Over to other Sup.

**Explanation** The VP Manager has successfully switched over to the standby supervisor card.

**Recommended Action** No action is required.

**Message** VPM-6-VPMON\_INFO: [chars]

**Explanation** VPMON daemon informational message

**Recommended Action** No action is required.

**Message** VPM-6-VPMON\_STARTING: daemon started

**Explanation** The VPMON daemon successfully started

**Recommended Action** No action is required.

**Message** VPM-6-VPM\_MDS\_LICENSE\_GRACE: MDS LICENSE in grace period for feature: [chars]

**Explanation** MDS license is in grace period. Please retrieve a new MDS license

**Recommended Action** No action is required.

**Message** VPM-6-VPM\_MDS\_LICENSE\_REVOKED: MDS LICENSE REVOKED for feature: [chars]

**Explanation** MDS license is revoked. Please retrieve a new MDS license

**Recommended Action** No action is required.

**Message** VPM-6-VPM\_MDS\_TIMED\_LICENSE: Timed MDS LICENSE for feature: [chars]

**Explanation** Timed MDS license

**Recommended Action** No action is required.

## VPM-SLOT#-2

**Message** VPM-SLOT#-2-CPP\_CATASTROPHIC\_ERROR: ERROR: Component ([chars]) caused critical error please reboot SSM

**Explanation** Component caused critical error

**Recommended Action** Restart the linecard

## VRRP-CFG Messages

This section contains the VRRP-CFG messages.

### VRRP-CFG-2

**Message** VRRP-CFG-2-ALLOC\_MEMORY: Memory allocation failed

**Explanation** The service failed to allocate a block of dynamic memory.

**Recommended Action** No action is required.

**Message** VRRP-CFG-2-VSH\_REGISTER\_FAIL: VSH registration failed returning [dec]

**Explanation** VRRP sparse tree registration with VSH failed'

**Recommended Action** No action is required.

### VRRP-CFG-3

**Message** VRRP-CFG-3-INIT\_FAILED: Initialization failed. Component [chars]

**Explanation** The service failed to start. The failure occurred while initializing the component [chars].

**Recommended Action** Show processes to check the status of the other processes, debug the specified component.

**Message** VRRP-CFG-3-VRRP\_FEATURE\_MANAGER\_ERROR: Error in feature manager operation

**Explanation** The feature manager operation did not go through fine

**Recommended Action** Please check the reason for error using feature manager and rectify the problem

## VRRP-CFG-5

**Message** VRRP-CFG-5-STARTING: VRRP Manager service started

**Explanation** The service successfully started.

**Recommended Action** No action is required.

## VRRP-ENG Messages

This section contains the VRRP-ENG messages.

### VRRP-ENG-2

**Message** VRRP-ENG-2-ALLOC\_MEMORY: Memory allocation failed

**Explanation** The service failed to allocate a block of dynamic memory.

**Recommended Action** No action is required.

**Message** VRRP-ENG-2-VR\_FAILURE: Error in VDH=[chars] [dec] interface [chars].  
Going to inti state

**Explanation** The VR [dec] on the interface [chars] is in inti state for an internal error.

**Recommended Action** Show interface to check the status of the interface, show configuration, status and statistics of the specified virtual router, enable the vrrp debug and shut/ no shut the specified virtual router.

### VRRP-ENG-3

**Message** VRRP-ENG-3-ARP\_INIT\_ERROR: Failed to inti ARP, ret [hex], errno [dec]

**Explanation** VRRP-ARP interaction failed.

**Recommended Action** No action is required.

**Message** VRRP-ENG-3-BFD\_IF\_SESSION\_REMOVAL\_ERROR: Failed to remove interface level  
VRRP-BFD sessions ([hex] [hex]), Refer logs

**Explanation** Please refer internal error history for more details.

**Recommended Action** No action is required.

**Message** VRRP-ENG-3-BFD\_SESSION\_ADD\_ERROR: Failed to add a few VRRP-BFD sessions ([hex] [hex]), Refer logs

**Explanation** Please refer internal error history for more details.

**Recommended Action** No action is required.

**Message** VRRP-ENG-3-BFD\_SESSION\_CREATION\_ERROR: Failed to create BFD session information ([hex] [hex]), Refer logs

**Explanation** Please refer internal error history for more details.

**Recommended Action** No action is required.

**Message** VRRP-ENG-3-BFD\_SESSION\_REMOVAL\_ERROR: Failed to remove a few VRRP-BFD sessions ([hex] [hex]), Refer logs

**Explanation** Please refer internal error history for more details.

**Recommended Action** No action is required.

**Message** VRRP-ENG-3-INIT\_FAILED: Initialization failed. Component [chars]

**Explanation** The service failed to start. The failure occurred while initializing the component [chars].

**Recommended Action** Show processes to check the status of the other processes, debug the specified component.

**Message** VRRP-ENG-3-IP\_INIT\_ERROR: Failed to init IP, ret [hex], errno [dec]

**Explanation** VRRP-IP interaction failed.

**Recommended Action** No action is required.

**Message** VRRP-ENG-3-L3VM\_INIT\_ERROR: Failed to init L3VM, ret [hex], errno [dec]

**Explanation** VRRP-L3VM interaction failed.

**Recommended Action** No action is required.

**Message** VRRP-ENG-3-URIB\_INIT\_ERROR: Failed to init URIB, ret [hex], errno [dec]

**Explanation** VRRP-URIB interaction failed.

**Recommended Action** No action is required.

## VRRP-ENG-4

**Message** VRRP-ENG-4-BAD\_ADV: VR[chars] ID [dec] on interface [chars] bad advertisement received: reason [chars]

**Explanation** The virtual router specified has received an invalid advertisement.

**Recommended Action** Check that all VRRP nodes have the same configuration.

## VRRP-ENG-5

**Message** VRRP-ENG-5-INTERFACE\_DOWN: Cannot start the VR[chars] [dec] since the interface [chars] is down

**Explanation** The specified VR is enabled but cant change state from in it. The specified interface is down or doesn't have a primary IP address configured.'

**Recommended Action** No action is required.

**Message** VRRP-ENG-5-INTERFACE\_STATE\_CHANGE: Interface [chars] state changed to [chars]

**Explanation** The interface specified has changed state This could have triggered a VRRP status change.

**Recommended Action** No action is required.

**Message** VRRP-ENG-5-INVALID\_CONFIG: Cannot start the VR[chars] [dec] on the interface [chars]. Invalid IP configuration. Reason: [chars]

**Explanation** The specified VR on interface [chars] is enabled but the IP configuration is not valid because of [chars].

**Recommended Action** Show interface to check that the IP address of the interface is configured and it is in the same subnet of the virtual router address.

**Message** VRRP-ENG-5-STARTING: VRRP Engine service started

**Explanation** The service successfully started.

**Recommended Action** No action is required.

**Message** VRRP-ENG-5-VR\_STATE\_CHANGE: VR[chars] ID [dec] on interface [chars] state changed to [chars], event [chars]

**Explanation** The status of the specified virtual router has changed to [chars].

**Recommended Action** No action is required.

## VRRP-ENG-6

**Message** VRRP-ENG-6-VSHA\_RESULT: VR ID [dec] on interface [chars] state change request result [chars]

**Explanation** The result of the request for status change on the virtual router (with VSHA extension) specified is [chars].

**Recommended Action** No action is required.

## VSAN Messages

This section contains the VSAN messages.

### VSAN-2

**Message** VSAN-2-PROGRAM\_EXIT: process exiting with reason: [chars]

**Explanation** VSAN manager process is exiting with reason [chars].

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

### VSAN-3

**Message** VSAN-3-CFS\_OPERATION\_FAILED: cfs [chars] operation failed: [chars]

**Explanation** Cfs operation [chars1] has failed. [chars2]

**Recommended Action** Please check the reason for the failure of the cfs operation and rectify the problem

**Message** VSAN-3-MEM\_ALLOC\_FAILED: alloc failed for size:[dec]

**Explanation** Memory allocation of size [dec] failed.

**Recommended Action** Do “show process memory” command to see memory usage of processes.

**Message** VSAN-3-MESSAGE\_ERROR: could not handle message: [chars] of type [dec] sent by addr [dec] : [dec]

**Explanation** Got an IPC message [chars] of type [dec1] sent by a component running on node [dec2] with sap [dec3].

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

## VSAN-6

**Message** VSAN-6-ACTIVATED: VSAN:[dec] changing from suspended to active

**Explanation** Making VSAN with ID [dec] active from suspended state.

**Recommended Action** No action is required.

**Message** VSAN-6-CFS\_MERGE\_NOT\_SUPPORTED: merging of fctimer configuration data is not supported

**Explanation** Merging of fctimer configuration data using cfs is not supported

**Recommended Action** No action is required.

**Message** VSAN-6-CREATED: Created VSAN:[dec] with name:[chars]

**Explanation** Created VSAN with ID [dec] and name [chars].

**Recommended Action** No action is required.

**Message** VSAN-6-MEMBERSHIP\_UPDATE: Updated membership for interface:[chars] with VSAN:[dec]

**Explanation** Updating membership for interface [chars] with VSAN [dec].

**Recommended Action** No action is required.

**Message** VSAN-6-REMOVED: Removed VSAN:[dec]

**Explanation** Removed VSAN with ID [dec].

**Recommended Action** No action is required.

**Message** VSAN-6-SUSPENDED: VSAN:[dec] changing from active to suspended

**Explanation** Suspending VSAN with ID [dec] from active state.

**Recommended Action** No action is required.

**Message** VSAN-6-TRUNKING\_MEMBERSHIP\_UPDATE: trunking membership updated for interface:[chars] with VSAN bitmap:[chars]

**Explanation** Updated trunking membership for interface [chars1] with allowed VSAN list [chars2].

**Recommended Action** No action is required.



## VSC Messages

This section contains the VSC messages.

### VSC-SLOT#-2

**Message** VSC-SLOT#-2-CPP\_CATASTROPHIC\_ERR: ERROR: Component ([chars]) caused critical error

**Explanation** Virtualization software suffers critical error

**Recommended Action** Perform graceful shutdown and restart the linecard

**Message** VSC-SLOT#-2-CPP\_RELOAD: Component ([chars]) is reloading the linecard

**Explanation** No response to critical error notification from application

**Recommended Action** Response to critical error notification and perform graceful shutdown

**Message** VSC-SLOT#-2-REGISTER\_NOTIF\_REPLY\_FAILED: Component ([chars]) fails to register to receive notification reply

**Explanation** System will not receive partner notification reply

**Recommended Action** Virtualization software will restart the linecard after reply timeout.

### VSC-SLOT#-3

**Message** VSC-SLOT#-3-SSM\_GET\_SW\_CARDID: Get SSM software card ID failed

**Explanation** SSM get software card ID failed

**Recommended Action** There is a serious error and the linecard need to be restarted

### VSC-SLOT#-5

**Message** VSC-SLOT#-5-RX\_PS\_CRITICAL\_NOTIF\_REPLY: Component ([chars]) receives critical error notification reply

**Explanation** Partner software will handle critical error

**Recommended Action** Virtualization software wont restart the line card. It is partner software responsibility to do shutdown

## VSD Messages

This section contains the VSD messages.

### VSD-SLOT#-2

**Message** VSD-SLOT#-2-CPP\_CATASTROPHIC\_ERROR: ERROR: Component ([chars]) caused critical error please reboot SSM

**Explanation** Component caused critical error

**Recommended Action** Restart the linecard

### VSD-SLOT#-6

**Message** VSD-SLOT#-6-VSD\_INFO: [chars]

**Explanation** VSD daemon informational message

**Recommended Action** No action is required.

## VSHA Messages

This section contains the VSHA messages.

### VSHA-3

**Message** VSHA-3-VSHA\_INIT\_FAILED: Initialization failed. Component [chars]

**Explanation** The service failed to start. The failure is happened initializing the specified component

**Recommended Action** No action is required.

**Message** VSHA-SLOT#-3-LOG\_VSHA\_STATE\_TIMEOUT: VSHA Shutting Down. Deport Wait Timeout for sg: [chars] (vrid [dec]).

**Explanation** SG was being shutdown. But DG could not be deported within specified time by the linecard

**Recommended Action** No action is required.

**Message** VSHA-SLOT#-3-LOG\_VSHA\_STATE: VSHA Shutting Down. Failure to deport dg: [chars] from sg: [chars] (vrid [dec]).

**Explanation** DG was either removed from SG or SG was offline. But DG could not be deported by the linecard

**Recommended Action** No action is required.

## VSHA-SLOT#-5

**Message** VSHA-SLOT#-5-LOG\_VSHA\_ARBT\_DISK\_STATE: Arbitration\_disk [chars] for Service\_Group [chars] (vrid [dec]) in error state

**Explanation** FCDD has reported arbt\_disk as deleted/no longer accessible.

**Recommended Action** No action is required.

**Message** VSHA-SLOT#-5-LOG\_VSHA\_DG\_STATE: Disk\_Group [chars] from Service\_Group [chars] (vrid [dec]) in error state

**Explanation** VSHA resource monitor has detected DG is not accessible.

**Recommended Action** No action is required.

**Message** VSHA-SLOT#-5-LOG\_VSHA\_SG\_STATE: State change for sg [chars] (vrid [dec]). New state is [chars]. State change reason is [chars]

**Explanation** Either a fail over or user command caused a sg state change.

**Recommended Action** No action is required.

## VSHD Messages

This section contains the VSHD messages.

### VSHD-2

**Message** VSHD-2-VSHD\_SYSLOG\_EOL\_ERR: EOL function [chars] from library [chars] exited due to Signal [dec]

**Explanation** Error in CLI EOL function

**Recommended Action** No action is required.

**Message** VSHD-2-VSHD\_SYSLOG\_PSS\_SNAPSHOT\_ERR: Source URI:[chars] Destination URI:[chars] errcode:[dec]

**Explanation** PSS snapshot error

**Recommended Action** No action is required.

**Message** VSHD-2-VSHD\_SYSLOG\_SDWRAP\_ERR: Description:[chars] errcode:[dec]

**Explanation** Debug infrastructure error

**Recommended Action** No action is required.

## VSHD-3

**Message** VSHD-3-VSHD\_ROLE\_DISTRIBUTE\_FAILURE: Role distribution operation ([chars]) failed with error id [hex]

**Explanation** This is probably occurring due to unstable fabric

**Recommended Action** Please retry operation when fabric is stable

**Message** VSHD-3-VSHD\_SYSLOG\_FILE\_ERR: Purpose:[chars] Filename:[chars] errcode:[dec]

**Explanation** File handling error

**Recommended Action** No action is required.

**Message** VSHD-3-VSHD\_SYSLOG\_MTS\_ERR: message [chars]

**Explanation** MTS message handling error

**Recommended Action** No action is required.

**Message** VSHD-3-VSHD\_SYSLOG\_PARSE\_TREE\_ERR: [chars]

**Explanation** Error while updating parse tree in shell

**Recommended Action** No action is required.

**Message** VSHD-3-VSHD\_SYSLOG\_PSS\_ERR: Purpose:[chars] URI:[chars] errcode:[dec]

**Explanation** PSS handling error

**Recommended Action** No action is required.

## VSHD-4

**Message** VSHD-4-VSHD\_LICENSE\_EXPIRY\_WARNING: License [chars] expires on [chars]. Vsan policy will be set to default (deny) for all roles when license expires

**Explanation** Vsan policy would be set default (deny) for all roles when license expires

**Recommended Action** Please install the license file to continue using the feature.

**Message** VSHD-4-VSHD\_ROLE\_DATABASE\_OUT\_OF\_SYNC: Role configuration database found to be different between the switches during merge

**Explanation** Role configuration database is recommended to be identical among all switches in the fabric.

**Recommended Action** Edit the configuration on one of the switches to obtain the desired role configuration database and then commit it

**Message** VSHD-4-VSHD\_ROLE\_DATABASE\_VERSION\_NOT\_UNDERSTOOD: This switch does not understand the version of role configuration database received during merge

**Explanation** This is probably occurring due to different versions of system image on switches in the fabric

**Recommended Action** Please make sure all switches are running the same version of the system image

## VSHD-5

**Message** VSHD-5-VSHD\_SYSLOG\_CONFIG\_CHANGE: VDC=[chars], VTY=[chars], user=[chars], CMD="[chars]"

**Explanation** Configuration change notification

**Recommended Action** No action is required.

**Message** VSHD-5-VSHD\_SYSLOG\_CONFIG\_I: Configured from vty by [chars] on [chars]

**Explanation** CLI Configuration mode was exited

**Recommended Action** No action is required.

**Message** VSHD-5-VSHD\_SYSLOG\_ROLE\_CREATED: New cli role [chars] created

**Explanation** New cli role created.

**Recommended Action** No action is required.

## VSHD-7

**Message** VSHD-7-VSHD\_SYSLOG\_PARSE\_TREE\_UPDATE: Parse tree [chars]

**Explanation** Parse tree updated in shell

**Recommended Action** No action is required.

## VTP Messages

This section contains the VTP messages.

### VTP-0

**Message** VTP-0-EMERGENCY\_MSG: [chars]

**Explanation** VTP Emergency Message

**Recommended Action** Capture show tech-support vtp

### VTP-1

**Message** VTP-1-ALERT\_MSG: [chars]

**Explanation** VTP Alert Message

**Recommended Action** Capture show tech-support vtp

### VTP-2

**Message** VTP-2-CRITICAL\_MSG: [chars]

**Explanation** VTP Critical Message

**Recommended Action** No action is required.

**Message** VTP-2-VTP\_MODE\_OFF\_LONG\_VLAN\_NAME\_EXIST: VTP Mode changed to off as long vlan configuration exists

**Explanation** By default, VTP feature comes up in Server mode. long vlans can only operate in VTP transparent/off mode As long Vlan configuration already exist, VTP mode is changed to off.

**Recommended Action** No action is required.

**Message** VTP-2-VTP\_MODE\_OFF\_PVLAN\_EXIST: VTP Mode changed to off as Private VLAN configuration exists

**Explanation** By default, VTP feature comes up in Server mode. Private vlans can only operate in VTP transparent/off mode As Private Vlan configuration already exist, VTP mode is changed to off.

**Recommended Action** No action is required.

**Message** VTP-2-VTP\_MODE\_OFF\_RESERVED\_VLAN\_EXIST: VTP Mode changed to off as reserved vlan configuration exists

**Explanation** By default, VTP feature comes up in Server mode. reserved vlans can only operate in VTP transparent/off mode As Reserved Vlan configuration already exist, VTP mode is changed to off.

**Recommended Action** No action is required.

**Message** VTP-2-VTP\_MODE\_TRANSPARENT\_VLAN\_RES\_LIMIT\_EXIST: VTP Mode changed to transparent as vlan resource limit configuration exists

**Explanation** By default, VTP feature comes up in Server mode. resource limit configuration can only operate in VTP transparent/off mode As vlan resource limit configuration exists, VTP mode is changed to transparent.

**Recommended Action** No action is required.

## VTP-3

**Message** VTP-3-ERROR\_MSG: [chars]

**Explanation** VTP Message

**Recommended Action** No action is required.

## VTP-4

**Message** VTP-4-BAD\_STARTUP\_VLAN\_CONFIG\_FILE: Failed to configure VLAN from startup-config. Fallback to use VLAN configuration file from non-volatile memory

**Explanation** VLAN software failed to use VLAN configuration from startup-config file. It will fallback to use the binary VLAN configuration file in non-volatile memory.

**Recommended Action** No action is required.

**Message** VTP-4-VLAN\_CREATE\_FAIL: Failed to create VLANs [chars]: [chars]

**Explanation** The VLANs specified in the error message could not be created. The VLAN manager called an VLAN database routine to create one or more VLANs, but the Vlan Manager failed the VLAN creation requests.

**Recommended Action** Collect show tech-support

**Message** VTP-4-VTP\_BAD\_VLAN\_CONFIGURATION\_FILE\_VERSION: VLAN configuration file contained unknown file version: [dec]

**Explanation** The VLAN configuration file read by the VLAN manager contained an unrecognized file version number. (This may indicate an attempt to regress to an older version of the VLAN manager software.)

**Recommended Action** LOG\_STD\_ACTION

**Message** VTP-4-VTP\_BAD\_VLAN\_CONFIGURATION\_FILE: Vlan configuration file contained incorrect verification word: [hex]

**Explanation** The VLAN configuration file read by the VLAN manager did not begin with correct value which would indicate a valid VLAN configuration file. Thus, it has been rejected.

**Recommended Action** Collect show tech-support

**Message** VTP-4-VTP\_BAD\_VLAN\_DOMAIN\_NAME\_LENGTH: VLAN configuration file contained incorrect domain name length: [dec]

**Explanation** The VLAN configuration file read by the VLAN manager did not contain a valid domain name length. Thus, it has been rejected.

**Recommended Action** Please provision VTP domain name again

**Message** VTP-4-VTP\_BAD\_VLAN\_PASSWORD\_LENGTH: VLAN configuration file contained incorrect VTP password length: [dec]

**Explanation** The VLAN configuration file read by the VLAN manager did not contain a valid VTP password length. Thus, it has been rejected.

**Recommended Action** Please provision VTP password again

**Message** VTP-4-VTP\_INVALID\_DATABASE\_DATA: VTP received bad data

**Explanation** Invalid data was received by VTP process

**Recommended Action** Collect show tech-support



**Message** VTP-4-VTP\_PROTOCOL\_ERROR: VTP protocol code internal error: [chars]

**Explanation** VTP protocol code encountered an unexpected error while processing configuration request, packet, or timer expiration.

**Recommended Action** Collect show tech-support

**Message** VTP-4-WARN\_MSG: [chars]

**Explanation** VTP Warning Message

**Recommended Action** No action is required.

## VTP-5

**Message** VTP-5-NOTIF\_MSG: [chars]

**Explanation** VTP Notification Message

**Recommended Action** No action is required.

## VTP-6

**Message** VTP-6-IFS\_FAILURE: VLAN manager encountered file operation error: call = [chars] / file = [chars] / code = [dec] ([chars]) / bytes transferred = [dec]

**Explanation** VTP received an unexpected error return from a file system call.

**Recommended Action** Collect show tech-support

**Message** VTP-6-INFO\_MSG: [chars]

**Explanation** VTP Informational Message

**Recommended Action** No action is required.

**Message** VTP-6-VTP\_DOMAIN\_NAME\_CHG: VTP domain name changed to [chars].

**Explanation** The VTP domain name was changed through configuration to the name specified in the message. A management domain is the naming scope of a VLAN name. Each VLAN has a name that is unique within the management domain.

**Recommended Action** No action is required.

**Message** VTP-6-VTP\_MODE\_CHANGE: VLAN manager changing device mode from [chars] to [chars].

**Explanation** Some switch devices must automatically change VTP device modes upon receipt of a VLAN configuration database containing more than a set number of VLANs, depending on the device. This message indicates that such a spontaneous conversion has occurred, what the previous mode was, and what the current mode is.

**Recommended Action** No action is required.

**Message** VTP-6-VTP\_OLD\_CONFIG\_FILE\_READ: Old version [dec] VLAN configuration file detected and read OK. Version [dec] files will be written in the future.

**Explanation** VLAN software detected an old version of the VLAN configuration file format. It was able to interpret the file with no problems but will create files using the new format in the future.

**Recommended Action** No action is required.

**Message** VTP-6-VTP\_PRUNING\_CHANGE: VTP Operational Pruning [chars].

**Explanation** VTP operational pruning changed. This can happen due to admin pruning change, VTP mode changes or VTP config propagation. show vtp status' output can be looked up to find the reason for this change.

**Recommended Action** Check 'show vtp status' output to find the reason for this change.No action is required.

## VTP-7

**Message** VTP-7-DEBUG\_MSG: [chars]

**Explanation** Association Manager Debug Message

**Recommended Action** No action is required.

## WWN Messages

This section contains the WWN messages.

## WWN-1

**Message** WWN-1-TYPE1\_ALERT: [dec] (< [dec] %) Remain

**Explanation** The WWN Manager has run out of WWNs. No new dynamically allocated WWNs are available. However, statically assigned WWNs such as switch WWN, port WWN, etc. are still available.

**Recommended Action** Please add additional WWNs by programming a new Secondary MAC address and its range.

**Message** WWN-1-TYPES2\_5\_ALERT: Only [dec] (< [dec] %) Type 2 & 5 WWNs Remain

**Explanation** The WWN Manager has run out of WWNs of NAA Types 2 and 5

**Recommended Action** Please add additional WWNs by programming a new Secondary MAC address and its range.

## WWN-2

**Message** WWN-2-BKPLN\_PROM\_CANT\_READ: Can not read backplane PROM

**Explanation** The WWN Manager has failed to read chassis information. No dynamic WWNs could be allocated.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** WWN-2-EXITING: Exited due to [chars]

**Explanation** The WWN Manager process has exited due to [char]. The process has probably been restarted automatically.

**Recommended Action** No action is required.

**Message** WWN-2-GENERAL\_ERROR: [chars]

**Explanation** The WWN Manager has encountered an critical error. The description of error is [str.].

**Recommended Action** No action is required.

**Message** WWN-2-MALLOC\_ERROR: Size [dec] bytes

**Explanation** The WWN Manager could not allocate memory.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** WWN-2-PSS\_BKP\_PSS\_MISMATCH: Block [dec]: PSS: Not Free; BKPLN PROM: Free

**Explanation** This WWN Manager detected a discrepancy between the information on the chassis and that in its persistent information databases. The persistent information database has been updated with the information on the chassis.

**Recommended Action** No action is required.

**Message** WWN-2-PSS\_ERROR: [chars]

**Explanation** The WWN Manager encountered error while operating on a persistent storage database.

**Recommended Action** No action is required.

**Message** WWN-2-STDOUT\_ROTATE\_FAILURE: Failed to rotate stdout file: [chars]

**Explanation** The WWN Manager has failed to rotate its current stdout file with filename [str.]. The filesize could grow beyond its maximum limit.

**Recommended Action** No action is required.

**Message** WWN-2-TYPE1\_CRIT: [dec] (< [dec]%) Remain

**Explanation** The WWN Manager has only [dec] or less than [dec]-percent WWNs remaining.

**Recommended Action** Please add additional WWNs by programming a new Secondary MAC address and its range.

**Message** WWN-2-TYPES2\_5\_CRIT: [dec] (< [dec]%) Remain

**Explanation** The WWN Manager has only [dec] or less than [dec]-percent WWNs of NAA Types 2 and 5 remaining.

**Recommended Action** Please add additional WWNs by programming a new Secondary MAC address and its range.

## WWN-3

**Message** WWN-3-PSS\_SYNC\_TO\_STNDBY\_FAILED: PSS TYPE=[chars] KEY=[chars]

**Explanation** Could not send PSS Sync. notification to Standby Supervisor. PSS Type=[str.] Operation=[.str] Key=[Str.].

**Recommended Action** No action is required.

**Message** WWN-3-RELEASE\_ERR\_UNKNOWN: Unknown WWN [chars] [chars]

**Explanation** WWN Manager received a request to release a WWN [char] that could not have been allocated by this WWN Manager due to [char].

**Recommended Action** No action is required.

**Message** WWN-3-RELEASE\_ERR: Cant Rel. WWN [chars]

**Explanation** WWN Manager received a request to release a WWN that cannot be released.

**Recommended Action** No action is required.

**Message** WWN-3-STARTUP\_COPY\_TO\_RUNNING\_FAILED: [chars]

**Explanation** Could not snapshot Startup-Config PSS to Running-Config. The description of error is [str.].

**Recommended Action** No action is required.

**Message** WWN-3-TOOMANY\_REQ\_REL: WWNs [chars] = [dec]

**Explanation** The WWN Manager received a request to allocate [dec] WWN, which is more than the maximum number of WWNs that can be allocated/released in a single request.

**Recommended Action** No action is required.

**Message** WWN-3-UNKNOWN\_MSG: Received from Node=[dec] SAP=[dec] Opcode=[dec]

**Explanation** The WWN Manager has received an unknown message from [dec].[dec] with opcode [dec]. This information is for debugging only.

**Recommended Action** No action is required.

**Message** WWN-3-WWN\_PSS\_CORRUPTED: [chars] PSS found corrupted

**Explanation** The WWN Manager has detected corruption in one of its persistent information database. The database would be recreated.

**Recommended Action** No action is required.

## WWN-4

**Message** WWN-4-PSS\_SUP\_CNT\_MISMATCH: PSS [dec] Bkpln [dec]

**Explanation** The WWN Manager has detected that some other supervisor card was plugged in earlier on this chassis. This WWN Manager is making sure that new WWNs allocate do not conflict with WWNs that could have been allocated by the previous supervisor card.

**Recommended Action** No action is required.

**Message** WWN-4-PSS\_VERSION\_MISMATCH: PSS [dec] Code [dec]

**Explanation** There was a version mismatch between the WWN Manager and one of its persistent storage databases. The persistent information has been translated to the new format.

**Recommended Action** No action is required.

**Message** WWN-4-TYPE1\_WARN: [dec] (< [dec]%) Remain

**Explanation** The WWN Manager has only [dec] or less than [dec]-percent WWNs remaining for allocation.

**Recommended Action** No action is required.

**Message** WWN-4-TYPES2\_5\_WARN: [dec] (< [dec]%) Remain

**Explanation** The WWN Manager has only [dec] or less than [dec]-percent WWNs of NAA Types 2 and 5 remaining.

**Recommended Action** Please add additional WWNs by programming a new Secondary MAC address and its range.

## WWN-5

**Message** WWN-5-VSAN\_WWN\_CHANGE: [chars]

**Explanation** VSAN-WWN created or deleted. The description of error is [str.].

**Recommended Action** No action is required.

## WWN-6

**Message** WWN-6-ALLOCATED\_BLOCK: Block number [dec]

**Explanation** The WWN Manager has allocated a new block, block number [dec], of 256 WWNs for internal use.

**Recommended Action** No action is required.

**Message** WWN-6-BECAME\_ACTIVE: Became ACTIVE from standby mode

**Explanation** The WWN Manager on the standby supervisor became active and it is ready to serve client requests for WWNs.

**Recommended Action** No action is required.

**Message** WWN-6-BECAME\_STDBY: Became STANDBY from active mode

**Explanation** The WWN Manager became standby from active mode.

**Recommended Action** No action is required.

**Message** WWN-6-EXCESSIVE\_DELAY: [chars]

**Explanation** Excessive time taken for a processing event. The description of the event is [str.].

**Recommended Action** No action is required.

**Message** WWN-6-FAILED\_TO\_SEND\_HEARTBEAT: Failed to send heartbeat to system manager: Reason=[chars]

**Explanation** The WWN Manager was unable to send heartbeat to the system manager.

**Recommended Action** No action is required.

**Message** WWN-6-GENERAL\_EVENT: [chars]

**Explanation** The WWN Manager has generated an important event. The description of the event is [str.].

**Recommended Action** No action is required.

**Message** WWN-6-PSS\_CREATED: [chars] PSS Created

**Explanation** One of the persistent information database of the WWN Manager has been recreated.

**Recommended Action** No action is required.

**Message** WWN-6-PSS\_DESTROYED: [chars] PSS Destroyed

**Explanation** One of the persistent information databases has been intentionally destroyed and would be recreated.

**Recommended Action** No action is required.

**Message** WWN-6-RELEASED\_BLOCK: Block number [dec]

**Explanation** The WWN Manager has released a block, block number [dec], of 256 WWNs.

**Recommended Action** No action is required.

**Message** WWN-6-SEC\_MAC\_UPDATED: MAC=[chars] Range=[dec]

**Explanation** The WWN Manager had updated the Secondary MAC address with MAC address [char] and range [dec]. This update was initiated from a management entity.

**Recommended Action** No action is required.

**Message** WWN-6-SERVICE\_UP: Initialized [chars]

**Explanation** The WWN Manager is up and ready to accept client requests for WWNs. The service was initialized in [char] mode.

**Recommended Action** No action is required.

**Message** WWN-6-SWITCHOVER: Switching Over to other Supervisor

**Explanation** The WWN Manager has successfully switched over to the standby supervisor card.

**Recommended Action** No action is required.

## WWN-7

**Message** WWN-7-RELEASE\_ERR\_FREE: Already free WWN [chars]

**Explanation** A client of WWN Manager attempted to release WWN [char] which is already free. This information is for debugging only.

**Recommended Action** No action is required.

## X2\_USD Messages

This section contains the X2\_USD messages.



## X2\_USD-2

**Message** X2\_USD-2-DC3\_X2\_SYSLOG\_INTERNAL\_SOFTWARE\_ERROR: An internal error in the X2 driver occurred on port [dec]: [chars] [dec]

**Explanation** An unexpected internal X2 driver software error occurred

**Recommended Action** Contact technical support

**Message** X2\_USD-2-DC3\_X2\_SYSLOG\_INVALID\_TRANSCEIVER\_TYPE: Module in port [dec] has an invalid transceiver type of [hex]

**Explanation** An unsupported module was plugged into the port

**Recommended Action** Retry with a supported module

**Message** X2\_USD-2-DC3\_X2\_SYSLOG\_NVRAM\_CHKSUM\_FAILURE: NVRAM checksum failure for module in port [dec]

**Explanation** Non-volatile memory checksum error in module.

**Recommended Action** Remove and reinsert module and retry operation. If the error still persists try with new a module. Sometimes the error will be displayed if the module is not inserted properly. All this log suggests is to retry the insertion and see if the error goes away if it doesn't then it's a issue with module.

**Message** X2\_USD-2-DC3\_X2\_SYSLOG\_ONEX\_INITIALIZATION\_FAILURE: A validated OneX module in port [dec] failed initialization with error [hex]

**Explanation** A OneX module was detected and validated, but failed initialization

**Recommended Action** Remove and reinsert module and retry operation

**Message** X2\_USD-2-DC3\_X2\_SYSLOG\_ONEX\_VALIDATION\_FAILURE: OneX module in port [dec] failed validation with error [hex]

**Explanation** A counterfeit OneX module detected, or a valid OneX has a corrupt sprom

**Recommended Action** Replace OneX module

## X2\_USD Messages

### X2\_USD-5

**Message** X2\_USD-5-DC3\_X2\_SYSLOG\_ONEX\_INSERTION: OneX inserted into port [dec]

**Explanation** OneX X2 to SFP+ Converter inserted is detected

**Recommended Action** Ensure OneX insertion an expected action

**Message** X2\_USD-5-DC3\_X2\_SYSLOG\_ONEX\_REMOVAL: OneX removed from port [dec]

**Explanation** OneX X2 to SFP+ Converter removal is detected

**Recommended Action** Ensure OneX removal an expected action

**Message** X2\_USD-5-DC3\_X2\_SYSLOG\_ONEX\_SFPPLUS\_INSERTION: SFP+ inserted into port [dec]

**Explanation** SFP+ insertion into OneX X2 to SFP+ Converter detected

**Recommended Action** Ensure SFP+ insertion into OneX an expected action

**Message** X2\_USD-5-DC3\_X2\_SYSLOG\_ONEX\_SFPPLUS\_REMOVAL: SFP+ removed from port [dec]

**Explanation** SFP+ removal from OneX X2 to SFP+ Converter detected

**Recommended Action** Ensure SFP+ removal from OneX an expected action

## XBAR\_CLIENT Messages

This section contains the XBAR\_CLIENT messages.

### XBAR\_CLIENT-2

**Message** XBAR\_CLIENT-2-CROSS\_LINK\_SYNC\_LOSS: XBAR- [chars] .

**Explanation** Cross links lost sync and hence xbar is brought down.

**Recommended Action** Please reload the xbar using reload xbar <xbar-num>

**Message** XBAR\_CLIENT-2-MEM\_FULL: Memory allocation failed.

**Explanation** XBAR\_CLIENT process has failed to allocate memory.

**Recommended Action** Please perform a show system internal xbar-client internal1 event-history' to collect more information.

**Message** XBAR\_CLIENT-2-MEM\_FULL: memory allocation failed

**Explanation** Process xbar\_client failed to allocate memory

**Recommended Action** Please examine the xbar-client event-history for more information.

**Message** XBAR\_CLIENT-2-PROC\_DN: Process is shutting down: [chars].

**Explanation** XBAR\_CLIENT process is exiting.

**Recommended Action** Please perform a 'show system internal xbar-client internal1 event-history' to collect more information.

**Message** XBAR\_CLIENT-2-PROC\_DN: exiting: [chars].

**Explanation** Process xbar\_client is exiting

**Recommended Action** Please examine the xbar-client event-history for more information.

**Message** XBAR\_CLIENT-2-PROC\_INITFAIL: Process initialization failed due to [chars].

**Explanation** XBAR\_CLIENT process has failed initialization.

**Recommended Action** Please perform a show system internal xbar-client internal1 event-history to collect more information.

**Message** XBAR\_CLIENT-2-PROC\_INITFAIL: Process initialization failed due to [chars].

**Explanation** XBAR\_CLIENT process has failed initialization.

**Recommended Action** Please perform a 'show system internal xbar-client internal1 event-history' to collect more information.

**Message** XBAR\_CLIENT-2-PROC\_INITFAIL: initialization failed due to [chars]

**Explanation** Process xbar\_client failed initialization

**Recommended Action** Please examine the xbar-client event-history for more information.

## XBAR\_CLIENT-3

**Message** XBAR\_CLIENT-3-IPC\_MSGERR: Error in processing IPC message: [dec], Error code = [dec].

**Explanation** XBAR\_CLIENT process has encountered an error in processing message.

**Recommended Action** Please perform a show system internal xbar-client internal1 event-history' to collect more information.

**Message** XBAR\_CLIENT-3-IPC\_MSGERR: failure processing IPC message [dec], error code = [dec]

**Explanation** Process xbar\_client failed to process IPC message

**Recommended Action** Please examine the xbar-client event-history for more information.

**Message** XBAR\_CLIENT-3-IPC\_MSGUNKN: Received unexpected IPC message: [dec].

**Explanation** XBAR\_CLIENT process has received an unknown message.

**Recommended Action** Please perform a show system internal xbar-client internal1 event-history' to collect more information.

**Message** XBAR\_CLIENT-3-IPC\_MSGUNKN: unknown IPC message received: [dec]

**Explanation** Process xbar\_client has received an unknown IPC message.

**Recommended Action** Please examine the xbar-client event-history for more information.

**Message** XBAR\_CLIENT-3-SUP2\_XBC\_MOD\_INIT\_FAIL: [chars], errcode - [hex]

**Explanation** The module initialization failed

**Recommended Action** Please perform a 'show process xbar-client event-history' to collect more information'

## XBAR\_CLIENT-SLOT#-2

**Message** XBAR\_CLIENT-SLOT#-2-VEGAS2\_XBC\_MEM\_FULL: memory allocation failed in routine [chars]

**Explanation** Process xbar\_client failed to allocate memory

**Recommended Action** Please perform a 'show process xbar-client event-history' to collect more information'

**Message** XBAR\_CLIENT-SLOT#-2-VEGAS2\_XBC\_PROC\_DN: terminating due to signal [dec]

**Explanation** Process xbar\_client is exiting

**Recommended Action** Please perform a 'show process xbar-client event-history' to collect more information

**Message** XBAR\_CLIENT-SLOT#-2-VEGAS2\_XBC\_PROC\_INITFAIL: initialization failed: [chars], errno [dec]

**Explanation** Process xbar\_client failed initialization

**Recommended Action** Please perform a 'show process xbar-client event-history' to collect more information

## XBAR\_CLIENT-SLOT#-3

**Message** XBAR\_CLIENT-SLOT#-3-VEGAS2\_XBC\_IPC\_MSGUNKN: unknown IPC message received: opcode [dec]

**Explanation** Process xbar\_client has received an unknown IPC message

**Recommended Action** Please perform a 'show process xbar-client event-history' to collect more information

**Message** XBAR\_CLIENT-SLOT#-3-VEGAS2\_XBC\_MOD\_INIT\_FAIL: [chars], errcode - [hex]

**Explanation** The module initialization failed

**Recommended Action** Please perform a 'show process xbar-client event-history' to collect more information

## XBAR\_DRIVER\_USD Messages

This section contains the XBAR\_DRIVER\_USD messages.

### XBAR\_DRIVER\_USD-2

**Message** XBAR\_DRIVER\_USD-2-SCZ\_ACCESS\_FAILED: Xbar Driver Failed to access reg for [chars]

**Explanation** Xbar Driver Access failed

**Recommended Action** No action is required.

**Message** XBAR\_DRIVER\_USD-2-SCZ\_CATASTROPHIC: Xbar Driver catastrophic failure: [chars]

**Message Ex** XBAR\_DRIVER\_USD-2-SCZ\_CATASTROPHIC: Xbar Driver catastrophic failure: [chars]

**Explanation** Xbar Driver catastrophic error

**Recommended Action** No action is required.

**Message** XBAR\_DRIVER\_USD-2-SCZ\_INTR: Xbar Driver Interrupt occurred: [chars]

**Explanation** Interrupt occurred on the xbar

**Recommended Action** No action is required.

**Message** XBAR\_DRIVER\_USD-2-SCZ\_SW\_INIT\_ABORTED: Xbar Driver Failed to finish Software Initialization: [chars]

**Explanation** Xbar Driver Software Initialization failed

**Recommended Action** No action is required.

**Message** XBAR\_DRIVER\_USD-2-SHUTDOWN: Xbar Driver software process exiting: [chars]

**Explanation** Xbar Driver shutting down

**Recommended Action** No action is required.

**Message** XBAR\_DRIVER\_USD-2-SYNC\_FAILED: Xbar Driver sync failed: [chars]

**Explanation** Xbar Driver Sync failed for the xbar channel

**Recommended Action** No action is required.

## XBAR\_DRIVER\_USD-3

**Message** XBAR\_DRIVER\_USD-3-EN\_DATA\_FAILED: Xbar Driver enable data failed for slot:[dec] asic:[dec] channel: [hex]

**Explanation** Xbar Driver Enable Data path failed for the xbar channel

**Recommended Action** No action is required.

## XBAR\_DRIVER\_USD-5

**Message** XBAR\_DRIVER\_USD-5-STARTING: Xbar Driver process starting

**Explanation** Xbar Driver process is being started

**Recommended Action** No action is required.

## XBAR\_DRIVER\_USD-6

**Message** XBAR\_DRIVER\_USD-6-DIS\_DATA: Xbar Driver disable datapath done for slot:[dec] asic:[dec] channel: [hex]

**Explanation** Disabled Data path successfully for the xbar channel

**Recommended Action** No action is required.

**Message** XBAR\_DRIVER\_USD-6-EN\_DATA: Xbar Driver enable datapath done for slot:[dec] asic:[dec] channel: [hex]

**Explanation** Enabled Data path successfully for the xbar channel

**Recommended Action** No action is required.

**Message** XBAR\_DRIVER\_USD-6-HW\_INIT: Xbar Driver HW initialization has been done for Slot: [dec] Asic: [dec]

**Explanation** Xbar Driver HW initialization has been called [dec]

**Recommended Action** No action is required.

**Message** XBAR\_DRIVER\_USD-6-SYNC\_DONE: Xbar Driver sync done for slot: [dec] asic: [dec] channel: [hex]

**Explanation** Sync Completed successfully for the xbar channel

**Recommended Action** No action is required.

## XBAR Messages

This section contains the XBAR messages.

## XBAR-2

**Message** XBAR-2-ARB\_INIT\_FAIL: Arbiter Initialization failed return\_code [hex] ([chars]).

**Explanation** The supervisor has experienced an arbiter setup failure.

**Recommended Action** No action is required.

**Message** XBAR-2-INCOMPATIBLE\_CONFIG: [chars] [dec] [chars].

**Explanation** This module is not compatible with the current fabric mode. It will be powered down.

**Recommended Action** No action is required.

**Message** XBAR-2-XBAR\_INSUFFICIENT\_XBAR\_BANDWIDTH: Module in slot [dec] has insufficient xbar-bandwidth.

**Explanation** To track insufficient xbar-bandwidth.

**Recommended Action** No action is required.

**Message** XBAR-2-XBAR\_MIXED\_SPINES\_POLICY\_MATCHED: [chars]

**Explanation** Fabric could not be brought online due to policy match:

**Recommended Action** No action is required.

**Message** XBAR-2-XBAR\_SUFFICIENT\_XBAR\_BANDWIDTH: Module in slot [dec] has sufficient xbar-bandwidth.

**Explanation** To track recovery from insufficient xbar-bandwidth.

**Recommended Action** No action is required.

**Message** XBAR-2-XBM\_EEM\_FABRIC\_ACTION: Fabric [chars] has been reloaded by xbar-manager because of an eem-policy triggered action [chars] %i

**Explanation** Xbar-manager has removed the fabric because an eem policy has been met This means that the fabric has hit the maximum number of recoverable sync-losses with multiple line-cards within a time-window.

**Recommended Action** No action is required.



**Message** XBAR-2-XBM\_EEM\_MODULE\_ACTION: Module [chars] has been reloaded by xbar-manager because of an eem-policy triggered action

**Explanation** Xbar-manager has removed the linecard because an eem policy has been met This means that the module has hit the maximum number of recoverable sync-losses with fabric card(s) within a time-window.

**Recommended Action** No action is required.

**Message** XBAR-2-XBAR\_MONITOR\_INTERNAL\_CRC\_ERR: Module- [num] detects CRC error at Ingress Qengine, putting it in failure state

**Explanation** CRC errors reported on the ingress queue of the module [num].

**Recommended Action** Replace the module that reports error.

**Message** XBAR-2-XBAR\_MONITOR\_INTERNAL\_CRC\_ERR: Module- [num] detects CRC error at Ingress stage2, putting it in failure state

**Explanation** CRC errors reported on the ingress crossbar of the module [num].

**Recommended Action** Replace the module that reports error.

**Message** XBAR-2-XBAR\_MONITOR\_INTERNAL\_CRC\_ERR: Xbar [num] detects CRC error at ingress stage3, putting it in failure state

**Explanation** CRC errors reported on the ingress crossbar [num] of the chassis.

**Recommended Action** Replace the module that reports error.

**Message** XBAR-2-XBAR\_MONITOR\_INTERNAL\_CRC\_ERR: Module- [num] detects CRC Error at Egress stage4/Qengine, putting it in failure state as there is only one fabric

**Explanation** CRC errors reported on the egress crossbar of the module [num].

**Recommended Action** Replace the module that reports error.

**Message** XBAR-2-XBAR\_MONITOR\_INTERNAL\_CRC\_ERR: Module- [num] detects CRC Error at Egress stage4/Qengine, putting it in failure state as there is only one fabric

**Explanation** CRC errors reported on the egress crossbar of the module [num].

**Recommended Action** Replace the module that reports error.

**Message** XBAR-2-XBAR\_MONITOR\_INTERNAL\_CRC\_ERR: Module- [num] detects CRC error at Egress stage4; due to Xbar [5] putting the connected Xbar in failure state

**Explanation** CRC errors reported on the egress crossbar [num] of the module [num]

**Recommended Action** Replace the module that reports error.

**Message** XBAR-2-XBAR\_MONITOR\_INTERNAL\_CRC\_ERR: Module-[num] detects CRC Error at Egress Q-engine, putting it in failure state

**Explanation** CRC errors reported on the egress queue of the module [num].

**Recommended Action** Replace the module that reports error.

## XBAR-3

**Message** XBAR-3-MEM\_FULL: Memory allocation failed. [chars]%i

**Explanation**

**Recommended Action** No action is required.

## XBAR-4

**Message** XBAR-4-XBAR\_MIXED\_SPINES\_IN\_CHASSIS: [chars]

**Explanation** There are both FAB-1 and FAB-2 type spines in the Chassis. Please replace the FAB-1 spines with FAB-2 Spines.

**Recommended Action** No action is required.

## XBAR-5

**Message** XBAR-5-ARBITER\_INIT\_FAILURE: Re-initializing Arbiter. [chars] [chars] module %i

**Explanation** The supervisor has experienced an arbiter setup failure.

**Recommended Action** No action is required.

**Message** XBAR-5-ARB\_CLEAR\_PORT\_FAIL: Arbiter reported failure to de-register port [dec] in group [dec] return\_code [hex] ([chars]).

**Explanation** The supervisor has experienced an arbiter setup failure.

**Recommended Action** No action is required.

**Message** XBAR-5-ARB\_INIT\_MOD\_DIS\_INTR\_FAIL: Arbiter reported failure to disable interrupt for module [dec] return\_code [hex] ([chars]).

**Explanation** The supervisor has experienced an arbiter setup failure.

**Recommended Action** No action is required.

**Message** XBAR-5-ARB\_INIT\_MOD\_INSERT\_CHECK\_FAIL: Arbiter reported failure to recognize module [dec] return\_code [hex] ([chars]).

**Explanation** The supervisor has experienced an arbiter setup failure.

**Recommended Action** No action is required.

**Message** XBAR-5-ARB\_INIT\_MOD\_INSERT\_FAIL: Arbiter reported failure to init module [dec] return\_code [hex] ([chars]).

**Explanation** The supervisor has experienced an arbiter setup failure.

**Recommended Action** No action is required.

**Message** XBAR-5-ARB\_INIT\_MOD\_INTR\_FAIL: Arbiter reported failure to enable interrupt for module [dec] return\_code [hex] ([chars]).

**Explanation** The supervisor has experienced an arbiter setup failure.

**Recommended Action** No action is required.

**Message** XBAR-5-ARB\_INIT\_MOD\_REMOVE\_FAIL: Arbiter reported failure to remove module [dec] return\_code [hex] ([chars]).

**Explanation** The supervisor has experienced an arbiter setup failure.

**Recommended Action** No action is required.

**Message** XBAR-5-ARB\_INIT\_PORT\_FAIL: Arbiter reported failure to register port [dec] in group [dec] return\_code [hex] ([chars]).

**Explanation** The supervisor has experienced an arbiter setup failure.

**Recommended Action** No action is required.

**Message** XBAR-5-MOD\_CONNECTION\_REATTEMPT: Re-attempting XBAR connection with module [dec]

**Explanation** The module has experienced a setup failure on connecting the module to the fabric.

**Recommended Action** Collect more information about XBAR component. Use command show system internal xbar event-history module <module-id>

**Message** XBAR-5-SYNC\_THRESHOLD\_FAILURE: Module resync threshold exceeded [chars] [chars] module%i

**Explanation** This module has exceeded the number of resync attempts in a day. Module will be reloaded

**Recommended Action** No action is required.

**Message** XBAR-5-XBAR\_ENABLE\_FPOE\_DB\_FAILURE: XBAR [chars] enabling FPOE-DB mode failed

**Explanation** The supervisor failed to enable FPOE-DB mode in fabric. The supervisor is going to reboot. In case of dual supervisor, a switchover will occur.

**Recommended Action** No action is required.

**Message** XBAR-5-XBAR\_INIT\_FAILURE: XBAR [chars] initialization failed [chars]%i

**Explanation** The supervisor has experienced a fabric initialization failure. The supervisor is going to reboot. In case of dual supervisor, a switchover will occur.

**Recommended Action** No action is required.

**Message** XBAR-5-XBAR\_INIT\_FAIL: Xbar [[dec].[dec]] reported failure during initialization return\_code [hex] ([chars]).

**Explanation** The supervisor has experienced an xbar setup failure.

**Recommended Action** No action is required.

**Message** XBAR-5-XBAR\_MOD\_INSERT\_SEQ\_FAILURE: [chars] for module [dec]

**Explanation** The xbar manager received failure response and is failing the insert sequence

**Recommended Action** No action is required.

**Message** XBAR-5-XBAR\_MOD\_LC\_INSERT\_SEQ\_FAILURE: Module in slot [dec] has failed insert sequence

**Explanation** The xbar manager is failing the insert sequence

**Recommended Action** No action is required.

**Message** XBAR-5-XBAR\_PORT\_CHECK\_SYNC\_FAIL: Xbar [[dec].[dec]] reported failure to check sync on port [dec] return\_code [hex] ([chars]).

**Explanation** The supervisor has experienced an xbar setup failure.

**Recommended Action** No action is required.

**Message** XBAR-5-XBAR\_PORT\_CONTINUE\_SYNC\_FAIL: Xbar [[dec].[dec]] reported failure to continue sync on port [dec] return\_code [hex] ([chars]).

**Explanation** The supervisor has experienced an xbar setup failure.

**Recommended Action** No action is required.

**Message** XBAR-5-XBAR\_PORT\_DISABLE\_FAIL: Xbar [[dec].[dec]] reported failure to disable port [dec] return\_code [hex] ([chars]).

**Explanation** The supervisor has experienced an xbar setup failure.

**Recommended Action** No action is required.

**Message** XBAR-5-XBAR\_PORT\_ENABLE\_FAIL: Xbar [[dec].[dec]] reported failure to enable port [dec] return\_code [hex] ([chars]).

**Explanation** The supervisor has experienced an xbar setup failure.

**Recommended Action** No action is required.

**Message** XBAR-5-XBAR\_PORT\_FORCE\_POE\_DISABLE\_FAIL: Xbar [[dec].[dec]] reported failure to disable force poe mode on [dec] return\_code [hex] ([chars]).

**Explanation** The supervisor has experienced an xbar setup failure.

**Recommended Action** No action is required.

**Message** XBAR-5-XBAR\_PORT\_FORCE\_POE\_ENABLE\_FAIL: Xbar [[dec].[dec]] reported failure to enable force poe mode on [dec] return\_code [hex] ([chars]).

**Explanation** The supervisor has experienced an xbar setup failure.

**Recommended Action** No action is required.

**Message** XBAR-5-XBAR\_PORT\_LPBACK\_DISABLE\_FAIL: Xbar [[dec].[dec]] reported failure to disable port loopback on [dec] returned [hex] ([chars]).

**Explanation** The supervisor has experienced an xbar setup failure.

**Recommended Action** No action is required.

**Message** XBAR-5-XBAR\_PORT\_LPBACK\_ENABLE\_FAIL: Xbar [[dec].[dec]] reported failure to enable port loopback on [dec] returned [hex] ([chars]).

**Explanation** The supervisor has experienced an xbar setup failure.

**Recommended Action** No action is required.

**Message** XBAR-5-XBAR\_PORT\_START\_SYNC\_FAIL: Xbar [[dec].[dec]] reported failure to start sync on port [dec] return\_code [hex] ([chars]).

**Explanation** The supervisor has experienced an xbar setup failure.

**Recommended Action** No action is required.

**Message** XBAR-5-XBAR\_RELEASE\_ACCESS\_FAIL: Slot [dec] reported failure releasing [chars] xbar access return\_code [hex] ([chars])

**Explanation** The supervisor has experienced an xbar access failure.

**Recommended Action** No action is required.

**Message** XBAR-5-XBAR\_SET\_ACCESS\_FAIL: Slot [dec] reported failure acquiring [chars] xbar access return\_code [hex] ([chars])

**Explanation** The supervisor has experienced an xbar access failure.

**Recommended Action** No action is required.

**Message** XBAR-5-XBAR\_STANDBY\_SUP\_ARB\_FAIL: [chars] return\_code [hex] ([chars])

**Explanation** The supervisor has experienced an arbiter access failure.

**Recommended Action** No action is required.

**Message** XBAR-5-XBAR\_STATUS\_REPORT: Module [dec] reported status for component [dec] code [hex].

**Explanation** An error status has been reported. If error is on supervisor, the supervisor is going to reboot. In case of dual supervisors, a switchover will occur. If error is on module, the module will be power cycled.

**Recommended Action** No action is required.

**Message** XBAR-5-XBAR\_SW\_INIT\_FAIL: Xbar [[dec].[dec]] reported failure during sw initialization return\_code [hex] ([chars]).

**Explanation** The supervisor has experienced an xbar setup failure.

**Recommended Action** No action is required.

**Message** XBAR-5-XBAR\_VERSION\_CHECK\_FAILURE: XBAR [chars] SCZ version check failed [chars] %i

**Explanation** This SUP has an older Santa cruz version, and so will not be allowed to power-up, Please upgrade to the latest supervisor version.

**Recommended Action** No action is required.

## XCVR\_USD Messages

This section contains the XCVR\_USD messages.

## XCVR\_USD-6

**Message** XCVR\_USD-6-XCVR\_USD\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

**Message** XCVR\_USD-6-XCVR\_USD\_LOG\_MSG: [chars]

**Explanation** Debug log message

No action is required.

## XCVR Messages

This section contains the XCVR messages.

### XCVR-6

**Message** XCVR-6-XCVR\_LIB\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

**Message** XCVR-6-XCVR\_LIB\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## XMLMA Messages

This section contains the XMLMA messages.

### XMLMA-2

**Message** XMLMA-2-HEARTBEAT\_FAIL: XML master agent failed to send heart beat:  
[chars]

**Explanation** XML master agent has failed sending heartbeat.

**Recommended Action** No action is required.

**Message** XMLMA-2-INITFAIL: XML master agent initialization fails: [chars]

**Explanation** XML master agent has failed initialization.

**Recommended Action** No action is required.

**Message** XMLMA-2-MTSERROR: XML master agent mts operation failed: [chars]

**Explanation** XML master agent mts operation failed.

**Recommended Action** No action is required.

**Message** XMLMA-2-PSSFAILURE: XML master agent pss operation failed: [chars]

**Explanation** XML master agent pss operation failed.

**Recommended Action** No action is required.

**Message** XMLMA-2-XMLMACRIT: XML master agent: [chars]

**Explanation** XML master agent critical log.

**Recommended Action** No action is required.

## XMLMA-3

**Message** XMLMA-3-XMLMAERR: XML master agent: [chars]

**Explanation** XML master agent error log.

**Recommended Action** No action is required.

## XMLMA-5

**Message** XMLMA-5-STARTING: XML master agent started [chars]

**Explanation** XML master agent has been started.

**Recommended Action** No action is required.

## XMLMA-6

**Message** XMLMA-6-XMLMAEXIT: XML master agent exiting...: [chars]

**Explanation** XML master agent is exiting.

**Recommended Action** No action is required.



**Message** XMLMA-6-XMLMALOG: XML master agent operation log: [chars]

**Explanation** XML master agent operation log.

**Recommended Action** No action is required.

## XMLSA Messages

This section contains the XMLSA messages.

### XMLSA-2

**Message** XMLSA-2-HEARTBEAT\_FAIL: XML sub agent failed sending heart beat: [chars]

**Explanation** XML sub agent failed sending heartbeat.

**Recommended Action** No action is required.

**Message** XMLSA-2-INITFAIL: XML sub agent initialization fails: [chars]

**Explanation** XML agent has failed initialization.

**Recommended Action** No action is required.

**Message** XMLSA-2-USER\_INACTIVE: XML sub agent timed out: [chars]

**Explanation** XML sub agent timedout due to inactivity.

**Recommended Action** No action is required.

**Message** XMLSA-2-VSH\_ERR: XML sub agent vsh cmd error...: [chars]

**Explanation** XML sub agent vsh cmd error.

**Recommended Action** No action is required.

### XMLSA-5

**Message** XMLSA-5-STARTING: XML sub agent started: [chars]

**Explanation** XML sub agent has been started.

**Recommended Action** No action is required.

## XMLSA-6

**Message** XMLSA-6-XMLSAEXIT: XML sub agent exiting...: [chars]

**Explanation** XML sub agent is exiting.

**Recommended Action** No action is required.

**Message** XMLSA-6-XMLSALOG: XML sub agent log: [chars]

**Explanation** XML sub agent log.

**Recommended Action** No action is required.

## ZBM Messages

This section contains the ZBM messages.

### ZBM-2

**Message** ZBM-2-ZBM\_HA\_FAILURE: Failed to do high availability operation: [chars].

**Explanation** Failed to do high availability operation. [chars] is the reason.

**Recommended Action** No action is required.

**Message** ZBM-2-ZBM\_INIT\_FAILED: Initialization failed for ZBM: [chars], reason: [hex].

**Explanation** Initialization failed for ZBM due to [chars], reason: [hex].

**Recommended Action** No action is required.

**Message** ZBM-2-ZBM\_INIT\_WARNING: Initialization warning for ZBM: [chars], reason: [hex].

**Explanation** Initialization warning for ZBM due to [chars], reason: [hex].

**Recommended Action** No action is required.

**Message** ZBM-2-ZBM\_LINECARD\_STATUS: Status from linecard: [dec], for module: [chars] (ID: [dec]), status: [dec], error\_id: [hex], catastrophic: [chars], restart count: [dec].

**Explanation** Status from linecard: [dec], for module: [chars] (ID: [dec]), status: [dec], error\_id: [hex], catastrophic: [chars], restart count: [dec].

**Recommended Action** No action is required.

**Message** ZBM-2-ZBM\_MALLOC\_FAILURE: Memory allocation failed for size [dec]

**Explanation** Memory allocation is failed for size [dec] bytes.

**Recommended Action** Restart the process.

**Message** ZBM-2-ZBM\_MTS\_FAILURE: Failed to do MTS operation: [chars].

**Explanation** Failed to do MTS operation. [chars] is the reason.

**Recommended Action** No action is required.

**Message** ZBM-2-ZBM\_MTS\_REGISTRATION\_FAILED: MTS options setting to [hex] failed for opCode: [dec].

**Explanation** MTS options setting to [hex] failed for opCode: [dec].

**Recommended Action** No action is required.

**Message** ZBM-2-ZBM\_PSS\_FAILURE: Failed to do PSS operation: [chars], reason: [hex].

**Explanation** Failed to do PSS operation [chars]. [hex] is the reason.

**Recommended Action** No action is required.

**Message** ZBM-2-ZBM\_PSS\_VER\_FAIL: PSS file [chars] has version [dec].[dec].[dec], expected version [dec].[dec].[dec].

**Explanation** There was a mismatch in the PSS version. [chars] indicates the PSS service, [dec].[dec].[dec] its current version number and [dec].[dec].[dec] the expected version.

**Recommended Action** No action is required.

**Message** ZBM-2-ZBM\_RUNTIME\_FAILURE: [chars] [dec], Error: [hex]

**Explanation** ZBM runtime failure is reported as [chars] [dec], reason: [hex].

**Recommended Action** No action is required.

**Message** ZBM-2-ZBM\_TCAM\_FAILURE: Failed to do TCAM operation: [chars].

**Explanation** Failed to do TCAM operation. [chars] is the reason.

**Recommended Action** No action is required.

**Message** ZBM-2-ZBM\_TCAM\_SEND: [chars]

**Explanation** Sending to Tcam [chars]

**Recommended Action** No action is required.

## ZBM-4

**Message** ZBM-4-ZBM\_WARNING: [chars] [dec]

**Explanation** ZBM warning messages is reported as [chars] [dec].

**Recommended Action** No action is required.

## ZBM-6

**Message** ZBM-6-ZBM\_DIAG\_EVENT\_STATUS: [chars] [hex].

**Explanation** ZBM system health management event status is reported as [chars] [hex].

**Recommended Action** No action is required.

**Message** ZBM-6-ZBM\_ECHO\_PROGRAMMING\_FAILED: [chars].

**Explanation** Programming echo entry failed for [chars].

**Recommended Action** No action is required.

**Message** ZBM-6-ZBM\_E\_PORT\_EVENT\_STATUS: [chars] [chars].

**Explanation** ZBM xEport event status is reported as [chars] [chars].

**Recommended Action** No action is required.

**Message** ZBM-6-ZBM\_FCC\_EVENT\_STATUS: [chars] [chars].

**Explanation** ZBM FCC event status is reported as [chars] [chars].

**Recommended Action** No action is required.

**Message** ZBM-6-ZBM\_INIT\_PROCESS: Zone Block Mgr process started [chars] at [chars]

**Explanation** Zone Block Mgr process started in [chars] (stateless/stateful) mode at time [chars].

**Recommended Action** No action is required.

**Message** ZBM-6-ZBM\_LINECARD\_EVENT\_STATUS: [chars] [hex].

**Explanation** ZBM linecard event status is reported as [chars] [dec].

**Recommended Action** No action is required.

**Message** ZBM-6-ZBM\_MCAST\_EVENT\_STATUS: [chars] [chars].

**Explanation** ZBM multicast event status is reported as [chars] [chars].

**Recommended Action** No action is required.

**Message** ZBM-6-ZBM\_NX\_PORT\_EVENT\_STATUS: [chars] [chars].

**Explanation** ZBM Nx Port event status is reported as [chars] [chars].

**Recommended Action** No action is required.

**Message** ZBM-6-ZBM\_PORT\_MODE\_EVENT\_STATUS: [chars] [chars].

**Explanation** ZBM portmode event status is reported as [chars] [chars].

**Recommended Action** No action is required.

**Message** ZBM-6-ZBM\_RUNTIME\_STATUS: [chars] [dec]

**Explanation** ZBM runtime status is reported as [chars] [dec].

**Recommended Action** No action is required.

**Message** ZBM-6-ZBM\_STATUS: ZBM Status: [chars].

**Explanation** ZBM status is reported as [chars].

**Recommended Action** No action is required.

**Message** ZBM-6-ZBM\_UPDATE\_SSRAM\_QOS\_EVENT\_STATUS: [chars] [chars].

**Explanation** ZBM update SSRAM for QoS event status is reported as [chars] [chars].

**Recommended Action** No action is required.

## ZONE Messages

This section contains the ZONE messages.

### ZONE-2

**Message** ZONE-2-LZ\_EXITING: LUN/Read-only zoning process exited. Reason: [chars]

**Explanation** The LUN/Read-only zoning process has exited due to [char]. The process has probably been restarted automatically.

**Recommended Action** No action is required.

**Message** ZONE-2-LZ\_GENERAL\_ERROR: [chars]

**Explanation** The LUN/Read-only zoning process has encountered a critical error. The description of error is [str].

**Recommended Action** No action is required.

**Message** ZONE-2-LZ\_INIT\_FAILED: Initialization of LUN/Read-only zoning Process failed at [chars]

**Explanation** Initialization of LUN/Read-only zoning process failed at [char].

**Recommended Action** No action is required.

**Message** ZONE-2-LZ\_MALLOC\_ERROR: Size [dec] bytes

**Explanation** The LUN/Read-only zoning process could not allocate memory.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Message** ZONE-2-ZS\_ALIAS\_LIMIT\_EXCEEDED: The limit for maximum number of aliases exceeded

**Explanation** The number of aliases configured has exceeded the maximum number of aliases allowed per vsan Due to this, distribution or merge operation may fail.

**Recommended Action** Make sure the number of aliases is less than the maximum allowed in a vsan.

**Message** ZONE-2-ZS\_ATTR\_GROUP\_LIMIT\_EXCEEDED: The limit for maximum number of attribute groups exceeded

**Explanation** The number of attribute groups configured has exceeded the maximum number of attribute groups allowed in a vsan Due to this, distribution or merge operation may fail.

**Recommended Action** Make sure the number of attribute groups is less than the maximum allowed in a vsan.

**Message** ZONE-2-ZS\_BLOCKED\_ATTR\_PRESENT: Module [dec] failed to come online due to [chars]

**Explanation** Module [dec] failed to come up due to [chars].

**Recommended Action** Verify if RO/LUN/Broadcast attributes are configured, in any VSAN, disable if configured

**Message** ZONE-2-ZS\_CHANGE\_ACA\_FAILED: ACA failed: [chars]

**Explanation** Zone Server cannot acquire change authorization: [chars].

**Recommended Action** Verify the interoperability mode on all the switches OR retry later.

**Message** ZONE-2-ZS\_CHANGE\_ACQUIRE\_AUTH\_FAILED: Acquire authorization failed on VSAN [dec]

**Explanation** Zone Server cannot acquire authorization on VSAN [dec].

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_CHANGE\_ACTIVATION\_FAILED\_RESN\_DOM: Activation failed: reason [chars] domain [dec]

**Explanation** Zone Server cannot activate due to reason [chars] on domain [dec].

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_CHANGE\_ACTIVATION\_FAILED\_RESN: Activation failed: reason [chars]

**Explanation** Zone Server cannot activate due to reason [chars].

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_CHANGE\_ACTIVATION\_FAILED: Activation failed

**Explanation** Zone Server cannot activate the zoneset.

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_CHANGE\_APPLY\_FAILED: Apply changed failed on VSAN [dec]

**Explanation** Zone Server cannot apply changes on VSAN [dec].

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_CHANGE\_DEACTIVATION\_FAILED\_RESN\_DOM: Deactivation failed: reason [chars] domain [dec]

**Explanation** Zone Server cannot deactivate due to reason [chars] on domain [dec].

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_CHANGE\_DEACTIVATION\_FAILED\_RESN: Deactivation failed: reason [chars]

**Explanation** Zone Server cannot deactivate due to reason [chars].

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_CHANGE\_DEACTIVATION\_FAILED: Deactivation failed

**Explanation** Zone Server cannot deactivate the zoneset.

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_CHANGE\_RELEASE\_AUTH\_FAILED: Release authorization failed on VSAN [dec]

**Explanation** Zone Server cannot release authorization on VSAN [dec].

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_CHANGE\_RRCA\_REJECTED: RRCA received from remote domain [dec] is rejected: [chars]

**Explanation** Received invalid RRCA from domain [dec]: [chars]

**Recommended Action** Verify the interoperability mode on the switch.

**Message** ZONE-2-ZS\_CHANGE\_RUFC\_REJECTED: RUFC received from remote domain [dec] is rejected: [chars]

**Explanation** Received invalid RUFC from domain [dec]: [chars]

**Recommended Action** Verify the interoperability mode on the switch.



**Message** ZONE-2-ZS\_CHANGE\_SFC\_FAILED: SFC failed: [chars]

**Explanation** Zone Server cannot stage zone configuration: [chars].

**Recommended Action** Verify the interoperability mode on all the switches.

**Message** ZONE-2-ZS\_CHANGE\_SFC\_REJECTED: SFC received from remote domain [dec] is rejected: [chars]

**Explanation** Received invalid SFC from domain [dec]: [chars]

**Recommended Action** Verify the interoperability mode on the switch.

**Message** ZONE-2-ZS\_CHANGE\_STAGE\_ACTIVATE\_ZSSET\_BY\_NAME\_FAILED: Stage activate zoneset by name failed on VSAN [dec]

**Explanation** Zone Server cannot stage activate zoneset by name on VSAN [dec].

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_CHANGE\_STAGE\_ACTIVATE\_ZSSET\_ENH\_FAILED: Stage activate zone set enhanced failed on VSAN [dec]

**Explanation** Zone Server cannot stage activate zone set enhanced on VSAN [dec].

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_CHANGE\_STAGE\_DEACTIVATE\_ZSSET\_ENH\_FAILED: Stage deactivate zoneset enhanced failed on VSAN [dec]

**Explanation** Zone Server cannot stage deactivate zoneset enhanced on VSAN [dec].

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_CHANGE\_STAGE\_DISTRIBUTE\_DFLT\_ZONE\_FAILED: Stage distribute default zone failed on VSAN [dec]

**Explanation** Zone Server cannot stage distribute default zone on VSAN [dec].

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_CHANGE\_STAGE\_DISTRIBUTE\_ZS\_DB\_FAILED: Stage distribute zoneset database failed on VSAN [dec]

**Explanation** Zone Server cannot stage distribute zoneset database on VSAN [dec].

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_CHANGE\_STAGE\_SET\_ZONING\_MODE\_FAILED: Stage set zoning mode failed on VSAN [dec]

**Explanation** Zone Server cannot stage set zoning mode on VSAN [dec].

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_CHANGE\_STAGE\_SET\_ZONING\_POLICIES\_FAILED: Stage set zoning policies failed on VSAN [dec]

**Explanation** Zone Server cannot stage set zoning policies on VSAN [dec].

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_DB\_OPERATION\_FAILED: Database operation error: [chars]

**Explanation** Database operation is failed: [chars].

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_EXPORT\_IMPORT\_FAILED: [chars] operation failed

**Explanation** [chars] (Export/Import) operation failed.

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_FC2\_DB\_SIZE\_LIMIT\_EXCEEDED: Zone database size [dec] bytes exceeded maximum limit of [dec] bytes.

**Explanation** Zone database size exceeded: [chars].

**Recommended Action** Make sure that database size is less than the maximum limit.

**Message** ZONE-2-ZS\_FIPS\_COMPLIANCE\_FAILURE: FIPS compliance error: consecutively same random numbers

**Explanation** FIPS compliance error: consecutively same random numbers

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_HARD\_LIMIT\_EXCEEDED: Maximum configurable zone limit of [dec] reached. Creation of any more zones is not supported.

**Explanation** The number of zones configured has exceeded the maximum number of zones: [dec] allowed across all vsan. Due to this, distribution or merge operation may fail.

**Recommended Action** Make sure the number of zones is less than the maximum allowed across all vsan.

**Message** ZONE-2-ZS\_INIT\_FAILED: [chars]

**Explanation** Zone Server initialization failed: [chars].

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_LICENSE\_UNAVAIL: License:[chars] unavailable, removing LUN members, read-only attribute and re-activating active zonesets on all affected VSANs

**Explanation** License:[char] unavailable, removing LUN members, read-only attribute and re-activating active zonesets on all affected VSANs.

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_LIC\_FAILURE: License [chars] operation failed for license [chars]

**Explanation** License [char] operation failed for license [char].

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_LUN\_DISABLING\_FAILED: license expiry handling failed for VSAN [dec]

**Explanation** License expiry handling failed for VSAN [dec].

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_LUN\_MEMBER\_LIMIT\_EXCEEDED: The limit for maximum number of lun members exceeded

**Explanation** The number of lun members configured has exceeded the maximum number of lun members allowed across all VSANs Due to this, distribution or merge operation may fail.

**Recommended Action** Make sure the number of lun members is less than the maximum allowed across all VSANs.

**Message** ZONE-2-ZS\_MALLOC\_FAILURE: Memory allocation failed for size [dec]

**Explanation** Memory allocation is failed for size [dec] bytes.

**Recommended Action** Restart the process.

**Message** ZONE-2-ZS\_MEMBER\_SOFT\_LIMIT\_REACHED: Zone member count has reached the maximum validated limit of [dec]. Creation of any more members could potentially destabilize the fabric.

**Explanation** The number of zone members configured has exceeded the validated number of members: [dec] allowed across all VSANs. Creation of any more zones could potentially destabilize the fabric.

**Recommended Action** Make sure the number of zone members is less than the validated limit allowed across all VSANs.

**Message** ZONE-2-ZS\_MEMBER\_HARD\_LIMIT\_EXCEEDED: Maximum configurable unique zone member limit of [dec] reached. Creation of any more zone members is not supported.

**Explanation** The number of members configured has exceeded the maximum number of members: [dec] allowed across all VSANs. Due to this, distribution or merge operation may fail.

**Recommended Action** Make sure the number of members is less than the maximum allowed across all VSANs.

**Message** ZONE-2-ZS\_MERGE\_ADJ\_NO\_RESPONSE: Adjacent switch not responding, isolating interface [chars]

**Explanation** Interface [chars] isolated due to adjacent switch not responding to Zone Server requests.

**Recommended Action** Flap the interface.

**Message** ZONE-2-ZS\_MERGE\_FAILED: Zone merge failure, isolating interface [chars] [chars]

**Explanation** Interface [chars] isolated due to zone merge failure. error [chars]

**Recommended Action** Compare active zoneset with the adjacent switch OR use "zone merge interface [interface] {import/export} VSAN [VSAN-num]" command.

**Message** ZONE-2-ZS\_MERGE\_FULL\_DATABASE\_MISMATCH: Zone merge full database mismatch on interface [chars]

**Explanation** Full zoning databases are inconsistent between two switches connected by interface [chars]. Databases are not merged.

**Recommended Action** Compare full zoning database with the adjacent switch, correct the difference and flap the link.

**Message** ZONE-2-ZS\_MERGE\_UNKNOWN\_FORMAT: Unknown format, isolating interface [chars]

**Explanation** Interface [chars] isolated due to unknown format in merge request.

**Recommended Action** Set the interoperability mode to same value on both switches.

**Message** ZONE-2-ZS\_MTS\_OPER\_FAILED: MTS [chars] operation failed: [chars]

**Explanation** Zone Server MTS [chars] operation failed: [chars].

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_NO\_RSCN\_ON\_SW\_CARD: Devices on Module [dec] will not be receiving RSCN as [chars]

**Explanation** Devices on Module [dec] will not be receiving RSCN as [chars].

**Recommended Action** Enable Zone Based RSCN

**Message** ZONE-2-ZS\_PORT\_SWAP\_FAILURE: Port swap operation failed

**Explanation** Port swap operation failed.

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_PSS\_VER\_MISMATCH: PSS version mismatch URL: [chars] (expected [chars], got [chars])

**Explanation** Configuration version mismatch. PSS URL [chars]. Expected version [chars], stored version [chars].

**Recommended Action** Upgrade/Downgrade to expected version.

**Message** ZONE-2-ZS\_SHARED\_DB\_INIT\_FAILED: Zone Server shared DB initialization failed: [chars].

**Explanation** Zone Server shared DB initialization failed.

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_ZONE\_SOFT\_LIMIT\_REACHED: Zone count has reached the maximum validated limit of [dec]. Creation of any more zones could potentially destabilize the fabric.

**Explanation** The number of zones configured has exceeded the validated number of zones: [dec] allowed across all vsan. Creation of any more zones could potentially destabilize the fabric.

**Recommended Action** Recommended Action Make sure the number of zones is less than the validated limit allowed across all vsan.

**Message** ZONE-2-ZS\_TCAM\_BROADCAST\_ZONE\_DISABLED: Broadcast zoning disabled:  
Reason: Hard zoning disabled

**Explanation** Broadcast zoning disabled: Reason: Hard zoning disabled due to TCAM programming failure.

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_TCAM\_LUN\_ZONING\_DISABLED: LUN zoning disabled: Reason: Hard zoning disabled

**Explanation** LUN zoning disabled: Reason: Hard zoning disabled due to TCAM programming failure.

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_TCAM\_PROGRAMMING\_FAILED: TCAM operation failed: [chars],  
Reason: [chars]

**Explanation** TCAM Programming failure has occurred: [chars]. [chars] is the reason for failure.

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_TCAM\_READ\_ONLY\_ZONE\_DISABLED: Read-only zoning disabled:  
Reason: Hard zoning disabled

**Explanation** Read-only zoning disabled: Reason: Hard zoning disabled due to TCAM programming failure.

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_TCAM\_SWITCHED\_TO\_SOFT\_ZONING\_MODE: Switched to soft zoning:  
Reason: Hard zoning disabled

**Explanation** Switched to soft zoning: Reason: Hard zoning disabled due to TCAM programming failure.

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_VIRTUAL\_DOMAIN\_INCONSISTENT: IVR reporting virtual domain  
different from rib and domain manager in vsan [dec]

**Explanation** IVR reporting virtual domain different from rib and domain manager in vsan [dec].

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_ZONE\_BASED\_RSCN\_DISABLED: Zone based RSCN Generation has been Disabled. Devices on non ISOLA line cards will not be receiving RSCN

**Explanation** Devices on one or more line cards will not be receiving RSCN as RSCN generation by zone has been disabled on this switch

**Recommended Action** No action is required.

**Message** ZONE-2-ZS\_ZONE\_SET\_LIMIT\_EXCEEDED: The limit for maximum number of zonesets exceeded

**Explanation** The number of zonesets configured has exceeded the maximum number of zonesets allowed across all VSANs Due to this, distribution or merge operation may fail.

**Recommended Action** Make sure the number of zonesets is less than the maximum allowed across all vsan.

## ZONE-3

**Message** ZONE-3-LZ\_UNKNOWN\_MSG: Recvd. from Node=[dec] SAP=[dec]

**Explanation** The LUN/Read-only zoning process has received an unknown message from [dec]].[dec]. This information is for debugging only.

**Recommended Action** No action is required.

**Message** ZONE-3-ZS\_ACTIVATION\_FAILED\_DUE\_TO\_QOS\_DISABLED: Activation failed due to qos not enabled

**Explanation** Activation of zoneset failed due to qos not enabled

**Recommended Action** Make sure qos is enabled and reactivate the zoneset in vsan.

**Message** ZONE-3-ZS\_MGMT\_SEC\_SDB\_ERR: [chars] : [chars].

**Explanation** FC CT Mgmt Security shared db operation: [chars]: [chars].

**Recommended Action** Contact Cisco TAC for support.

## ZONE-4

**Message** ZONE-4-LZ\_OTHER\_CMD\_TO\_ZONED\_OUT\_LUN: FCP command [hex] received from SID=[chars] to DID=[chars] for LUN=[chars]

**Explanation** The LUN/Read-only zoning process has received. FCP command [int] from SID [char] to DID [char] for a zoned out LUN [char].

**Recommended Action** No action is required.

**Message** ZONE-4-ROZ\_WRITE\_ACCESS\_TO\_READ\_ONLY\_LUN: FCP command [hex] received from SID=[chars] to DID=[chars] for LUN=[chars]

**Explanation** The LUN/Read-only zoning process has received FCP command [int] from SID [char] to DID [char] for a read-only LUN [char].

**Recommended Action** No action is required.

**Message** ZONE-4-ZS\_BROADCAST\_LUN\_WARNING: LUN member(s) and Broadcast attribute are present in zone [chars] in vsan [dec]. Broadcast violations can occur for LUN members.

**Explanation** Broadcast violations can happen in zone [chars] in vsan [dec] since it has LUN zone members.

**Recommended Action** No action is required.

**Message** ZONE-4-ZS\_CHANGE\_LC\_UPGRADE\_IN\_PROGRESS: Change protocol request is received from domain [dec] when linecard upgrade is in progress

**Explanation** A change request has been received from domain [dec] when a linecard upgrade is in progress. The change request is rejected.

**Recommended Action** No action is required.

**Message** ZONE-4-ZS\_DB\_WARNING: [chars]

**Explanation** Database operation warning: [chars].

**Recommended Action** No action is required.

**Message** ZONE-4-ZS\_DOMAIN\_MGR\_WARNING: Unable to retrieve domain info from domain mgr error: [chars] in vsan [dec]

**Explanation** Unable to retrieve info of domain from domain manager, error: [chars] in vsan [dec].

**Recommended Action** No action is required.

**Message** ZONE-4-ZS\_FC2\_OPER\_FAILED: FC2 [chars] operation failed: [chars]

**Explanation** Zone Server FC2 [chars] operation failed: [chars].

**Recommended Action** No action is required.

**Message** ZONE-4-ZS\_IF\_PORT\_MODE\_CONFLICT: Port mode conflict for if [chars]

**Explanation** Port mode conflict for if [chars]

**Recommended Action** Shutdown/no shutdown the interface



**Message** ZONE-4-ZS\_INVALID\_FPORT\_WWN\_MEMBER: Virtual device fwwn: [chars] is not a valid zone/alias member virtual name: [chars] pwwn: [chars]

**Explanation** Virtual device fwwn: [chars] is not a valid zone/alias member, virtual name: [chars] pwwn: [chars].

**Recommended Action** No action is required.

**Message** ZONE-4-ZS\_LC\_UPGRADE\_CHANGE\_IN\_PROGRESS: Linecard upgrade request is received when change protocol is in progress

**Explanation** A request for linecard upgrade has been received when change protocol is in progress. The linecard upgrade will occur after the completion of the change protocol.

**Recommended Action** No action is required.

**Message** ZONE-4-ZS\_LICENSE\_EXPIRY\_WARNING: Feature [chars] evaluation license [chars] expiry in [dec] days

**Explanation** Feature [chars1] will exceed its evaluation time period in [dec] days and will be shutdown unless a permanent license [chars2] is installed.

**Recommended Action** Please install the license file to continue using the feature.

**Message** ZONE-4-ZS\_MEMBER\_CONVERSION\_FAILED: Zone Member conversion failed for [chars]. Error: [chars]

**Explanation** Zone Member conversion has failed in: [chars] due to error: [chars]

**Recommended Action** No action is required.

**Message** ZONE-4-ZS\_MGMT\_SEC\_RJT: FC CT Management Server query Rejected: [chars]. from FCID [hex]

**Explanation** mgmt-security has rejected FC CT Management Server query: [chars]. from FCID [hex].

**Recommended Action** No Action is required.

**Message** ZONE-4-ZS\_NON\_INTEROPERABLE\_ZONE\_SET: Non inter operable active zoneset present on VSAN [dec] in interoperability mode

**Explanation** Active zoneset has non inter operable members (FCID, FWWN,..) when interoperability mode is turned on the VSAN [dec].

**Recommended Action** Turn off interoperability mode OR make sure that active zoneset has only inter operable members (PWWN).

**Message** ZONE-4-ZS\_QOS\_LUN\_WARNING: LUN member(s) and QoS attribute are present in zone [chars] in vsan [dec]. QoS will not be applicable for LUN members.

**Explanation** QoS will not be applicable to LUN zone members in zone [chars] in vsan [dec].

**Recommended Action** No action is required.

**Message** ZONE-4-ZS\_SDV\_VIRT\_REAL\_CONFLICT\_WARNING: Virtual and Real devices are zoned together or zoned with same device. virtual name: [chars] pwwn: [chars]

**Explanation** Virtual and Real devices are zoned together or zoned with same device, virtual name: [chars] pwwn: [chars].

**Recommended Action** No action is required.

**Message** ZONE-4-ZS\_TOO\_MANY\_ALIAS\_IN\_CURRENT\_INTEROP\_MODE: Too many aliases in current interoperability mode

**Explanation** Too many aliases configured in current interoperability mode on the VSAN. Due to this, the next zoneset activation, distribution or merge operation may fail.

**Recommended Action** Set the interoperability mode to appropriate value OR make sure the number of aliases is less than the maximum allowed in the current interoperability mode.

**Message** ZONE-4-ZS\_UNSUPPORTED\_MEMBER\_IN\_CURRENT\_INTEROP\_MODE: Unsupported member present in active or full zoneset in current interoperability mode

**Explanation** Active or full zoneset has members that are not supported in the current interoperability mode set on the VSAN.

**Recommended Action** Set the interoperability mode to appropriate value OR make sure that active or full zoneset has only supported members in the current interoperability mode.

## ZONE-5

**Message** ZONE-5-ZS\_EXPORT\_IMPORT\_COMPLETE: [chars] operation completed

**Explanation** [chars] (Export/Import) operation completed.

**Recommended Action** No action is required.

**Message** ZONE-5-ZS\_POLICY\_CHANGE: Default zoning policy changed to [chars]

**Explanation** Default zoning policy changed to (permit/deny).

**Recommended Action** No action is required.

**Message** ZONE-5-ZS\_ZONE\_SET\_ACTIVATED: Zoneset [chars] activated

**Explanation** Zoneset [chars] activated.

**Recommended Action** No action is required.

**Message** ZONE-5-ZS\_ZONE\_SET\_DEACTIVATED: Zoneset deactivated

**Explanation** Zoneset deactivated.

**Recommended Action** No action is required.

## ZONE-6

**Message** ZONE-6-LZ\_BECAME\_ACTIVE: LUN/Read-only zoning process became ACTIVE from standby mode

**Explanation** The LUN/Read-only zoning process on the standby supervisor became active.

**Recommended Action** No action is required.

**Message** ZONE-6-LZ\_BECAME\_STDBY: LUN/Read-only zoning process became STANDBY from active mode

**Explanation** The LUN/Read-only zoning process became standby from active mode.

**Recommended Action** No action is required.

**Message** ZONE-6-LZ\_FAILED\_TO\_SEND\_HEARTBEAT: LUN/Read-only zoning process failed to send heartbeat to system manager: Reason=[chars]

**Explanation** The LUN/Read-only zoning process was unable to send heartbeat to the system manager.

**Recommended Action** No action is required.

**Message** ZONE-6-LZ\_GENERAL\_EVENT: [chars]

**Explanation** The LUN/Read-only zoning process has generated an important event. The description of the event is [str].

**Recommended Action** No action is required.

**Message** ZONE-6-LZ\_INQUIRY\_TO\_ZONED\_OUT\_LUN: INQUIRY command received from SID=[chars] to DID=[chars] for LUN=[chars]

**Explanation** The LUN/Read-only zoning process has received INQUIRY FCP command from SID [char] to DID [char] for a zoned out LUN [char].

**Recommended Action** No action is required.

**Message** ZONE-6-LZ\_REPORT\_LUNS\_CMD\_RCVD: REPORT LUNS command received from SID=[chars] to DID=[chars] for LUN=[chars]

**Explanation** The LUN/Read-only zoning process has received REPORT LUNS FCP command from SID [char] to DID [char] for LUN [char].

**Recommended Action** No action is required.

**Message** ZONE-6-LZ\_REQUEST\_SENSE\_TO\_ZONED\_OUT\_LUN: REQUEST SENSE command received from SID=[chars] to DID=[chars] for LUN=[chars]

**Explanation** The LUN/Read-only zoning process has received. REQUEST SENSE FCP command from SID [char] to DID [char] for a zoned out LUN [char].

**Recommended Action** No action is required.

**Message** ZONE-6-LZ\_SERVICE\_UP: LUN/Read-only zoning Process initialized [chars]

**Explanation** The LUN/Read-only zoning process is up. The process was initialized in [char] mode.

**Recommended Action** No action is required.

**Message** ZONE-6-LZ\_SWITCHOVER: LUN/Read-only zoning process switching over to other supervisor.

**Explanation** The LUN/Read-only zoning process has successfully switched over to the standby supervisor card.

**Recommended Action** No action is required.

**Message** ZONE-6-ZS\_CHANGE\_ACA\_REJECTED: ACA received from remote domain [dec] is rejected

**Explanation** Received invalid ACA from domain [dec]. Either the domain list do not match OR authorization has already been acquired by another switch.

**Recommended Action** Verify the interoperability mode on the switch.

**Message** ZONE-6-ZS\_FC2\_OPER\_INFO: FC2 [chars] operation failed: [chars]

**Explanation** Zone Server FC2 [chars] operation failed: [chars].

**Recommended Action** No action is required.

**Message** ZONE-6-ZS\_INIT\_PROCESS: Zone Server process started [chars] at [chars]

**Explanation** Zone Server process started in [chars] (stateless/stateful) mode at time [chars].

**Recommended Action** No action is required.

**Message** ZONE-6-ZS\_INIT\_WARNING: [chars]

**Explanation** Warning during Zone Server Initialization: [chars].

**Recommended Action** No action is required.

**Message** ZONE-6-ZS\_INVALID\_MEMBER: Invalid member [dec] [chars]

**Explanation** Invalid member type [dec] [chars] received from the API call.

**Recommended Action** No action is required.

**Message** ZONE-6-ZS\_MGMT\_SERVER\_REQ: ZS received FC CT Mgmt Server [chars]. Command code [hex], from FCID [hex].

**Explanation** FC CT request has been received from Management Server. It is [chars]. Command code [hex], from FCID [hex]

**Recommended Action** No Action is required.

**Message** ZONE-6-ZS\_UNKNOWN\_LIC\_FEATURE: [chars]

**Explanation** Zone Server received an event for an known licensing feature: [chars].

**Recommended Action** No action is required.

