



## 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 bootloader 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\_BDDB\_PROG\_FAILED: DFTM failed to program BDDB Entry

**Explanation** DFTM failed to program BDDB 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 pwnn query

**Recommended Action** DPVM overwrite-duplicate-pwnn

## 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.

## EVMED Messages

This section contains the EVMED messages.

### EVMED-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.

### EVMED-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.

