

# Cisco Nexus 9000 Series NX-OS System Messages Reference, Release 9.3(10)

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# Messages and Recovery Procedures

This chapter lists the system messages by facility. Within each facility, the messages are listed by severity levels 0 to 7: 0 is the highest severity level, and 7 is the lowest severity level. Each message is followed by an explanation and a recommended action.

## AAA Messages

This section contains the AAA messages.

### AAA-1

**Error 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

**Error 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.

**Error 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

**Error 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

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

**Explanation** Accounting Message

**Recommended Action** No action is required.

## ACLQOS Messages

This section contains the ACLQOS messages.

### ACLQOS-SLOT#-0

**Error Message** ACLQOS-SLOT#-0-ACLQOS\_ACL\_STATS\_FULL: Configuring Stats associated entry failed. [chars]

**Explanation** Failed to configure Entry with Stats. No free StatsID available for this TCAM region.

**Recommended Action** No DDTS.

**Error Message** ACLQOS-SLOT#-0-ACLQOS\_SPAN\_EGRESS\_RATE\_LIMIT\_MAX: Configuring span-egress rate limit failed. [chars]

**Explanation** Failed to configure span-egress rate limit. No free entry available in ERACL TCAM region.

**Recommended Action** No DDTS.

### ACLQOS-SLOT#-2

**Error Message** ACLQOS-SLOT#-2-ACLQOS\_BUFFER\_DRAIN\_FAILURE: Failed to drain buffers while modifying network qos policy on unit:[dec] slice: [dec]!

**Explanation** Failed to drain buffers while modifying network qos policy.

**Recommended Action** No DDTS.

**Error Message** ACLQOS-SLOT#-2-ACLQOS\_BURST\_DETECT\_FPGA\_INCOMPATIBLE: Current FPGA image doesn't support microburst detection feature. Please upgrade IOFPGA epld image to version [dec].

**Explanation** Current FPGA image doesn't support microburst detection feature.

**Recommended Action** No DDTS.

**Error Message** ACLQOS-SLOT#-2-ACLQOS\_BURST\_DETECT\_OVER\_THRESHOLD: Interface [chars] queue [dec] queue-depth is over the configured burst threshold. Please check 'show queuing burst-detect detail' for more information.

**Explanation** Queue depth went above configured burst threshold.

**Recommended Action** No DDTS.

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

**Explanation** ACLQOS operation failed in the aclqos client

**Recommended Action** No DDTS.

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

**Explanation** Inband interface lif lookup failed

**Recommended Action** No DDTS.

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

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

**Recommended Action** No DDTS.

**Error Message** ACLQOS-SLOT#-2-ACLQOS\_MCAST\_NAT\_TABLE\_FULL: Unable to find free Nat table entry for programming multicast nat entries

**Explanation** Unable to find free Nat table entry for programming multicast nat entries

**Recommended Action** No DDTS.

**Error Message** ACLQOS-SLOT#-2-ACLQOS\_MCAST\_NAT\_TCAM\_FULL: Unable to find free tcam index for programming multicast nat entries

**Explanation** Unable to find free tcam index for programming multicast nat entries

**Recommended Action** No DDTS.

**Error Message** ACLQOS-SLOT#-2-ACLQOS\_00TR: Tcam resource exhausted: [chars]

**Explanation** Tcam resources to program acls exhausted

**Recommended Action** No DDTS.

**Error Message** ACLQOS-SLOT#-2-ACLQOS\_QOS\_NO\_DROP\_CLASSIFICATION\_UNSUPPORTED: Only class-map with COS/DSCP match criteria can be used to identify no-drop traffic

**Explanation** Only class-map with COS/DSCP match criteria can be used to identify no-drop traffic

**Recommended Action** No DDTS.

**Error Message** ACLQOS-SLOT#-2-ACLQOS\_QUEUE\_LIMIT\_IGNORED\_ON\_FEX: Queue-limit configuration is being allowed but will not be configured on any connected FEXes.

**Explanation** Queue-limit configuration is not supported on FEX.

**Recommended Action** No DDTS.

**Error Message** ACLQOS-SLOT#-2-ACLQOS\_QUEUE\_LIMIT\_MAX: Queue limit is restricted to max available buffers([dec] bytes) on unit [dec].

**Explanation** Queue limit is restricted to the max available buffers on the unit.

**Recommended Action** No DDTS.

**Error Message** ACLQOS-SLOT#-2-ACLQOS\_TCAM\_CARVING\_FAILURE: [chars] TCAM region carving crossed the allowed max limits. Please re-adjust the limits using "hardware access-list tcam region .." command and reload the linecard

**Explanation** [chars] Tcam is excessively provisioned

**Recommended Action** No DDTS.

**Error Message** ACLQOS-SLOT#-2-ACLQOS\_TCAM\_REGION\_CREATION\_FAILURE: TCAM region creation failed for instance: [dec], Group ID: [dec], reason: [chars]

**Explanation** [chars] Tcam region is not properly configured

**Recommended Action** No DDTS.

**Error Message** ACLQOS-SLOT#-2-ACLQOS\_TCAM\_TEMPLATE\_FAILURE: TCAM template application has failed with reason: [chars]. Failing the module bring up

**Explanation** [chars] Tcam template is not properly applied

**Recommended Action** No DDTS.

**Error Message** ACLQOS-SLOT#-2-ACLQOS\_UNEXPECTED\_MCAST\_FRAMES: [chars]

**Explanation** Unexpected MCAST frames received

**Recommended Action** No DDTS.

**Error Message** ACLQOS-SLOT#-2-ACLQOS\_UNEXPECTED\_PFC\_FRAMES: [chars]

**Explanation** Unexpected PFC frames received

**Recommended Action** No DDTS.

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

**Explanation** Database operation failed in the aclqos client

**Recommended Action** No DDTS.

**Error Message** ACLQOS-SLOT#-2-PPF\_SUBSCRIPTION\_FAILED: PPF Subscription failure: [chars]

**Explanation** PPF Subscription failed in the aclqos client

**Recommended Action** No DDTS.

### ACLQOS-SLOT#-3

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

**Explanation** Invalid Congestion Control parameters

**Recommended Action** No DDTS.

**Error Message** ACLQOS-SLOT#-3-ACLQOS\_HDL\_FAILED: ACLQOS failure: [chars] failed for unit [dec] hw\_inst:[dec] tid:[dec] with acl\_hdl:0x%llx status:[dec]

**Explanation** No action is required.

**Recommended Action** Acl-pd

**Error Message** ACLQOS-SLOT#-3-ACLQOS\_MCAST\_NAT\_AND\_VACL\_NOT\_SUPPORTED: Multicast service-reflect and VACL can't be supported on the same vlan interface

**Explanation** Multicast service-reflect rules can't be applied to traffic ingressing on vlan interfaces with vlan filter (VACL) configured.

**Recommended Action** No action is required.

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

**Explanation** MCM Message Inconsistent

**Recommended Action** No DDTS.

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

**Explanation** Invalid Pause parameters

**Recommended Action** No DDTS.

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

**Explanation** Internal error in ACL/QoS queuing config

**Recommended Action** No DDTS.

## ACLQOS-SLOT#-4

**Error Message** ACLQOS-SLOT#-4-ACLQOS\_ANALYTICS\_L4OP\_UNSUPPORTED: Analytics TCAM doesnt support port-expansion or LOU allocation. Please modify ACL policy and re-apply

**Explanation** Analytics TCAM doesnt support port-expansion or LOU allocation. Please modify ACL policy and re-apply

**Recommended Action** No DDTS.

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

**Explanation** Tcam will be overused, please turn off atomic update

**Recommended Action** No DDTS.

**Error 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** No DDTS.

**Error 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.

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

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

**Recommended Action** No DDTS.

**Error Message** ACLQOS-SLOT#-4-ACLQOS\_NX\_OVER\_THRESHOLD: Inst [dec] Tcam [dec]'s([chars]) usage has reached its threshold

**Explanation** Tcam is almost full

**Recommended Action** No DDTS.

**Error Message** ACLQOS-SLOT#-4-ACLQOS\_OPENFLOW\_DFLT\_MISS\_UNSUPP: Openflow default-miss action needs [chars] TCAM region to be configured in double-wide mode

**Explanation** Openflow default-miss action specified without configuring TCAM in double-wide mode

**Recommended Action** No DDTS.

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

**Explanation** Tcam is almost full

**Recommended Action** No DDTS.

**Error Message** ACLQOS-SLOT#-4-ACLQOS\_QUEUEING\_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.

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

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

**Recommended Action** No DDTS.

**Error Message** ACLQOS-SLOT#-4-ACLQOS\_TAP\_AGG\_REDIR\_INVALID: Redirect action invalid without Tap aggregation enable, interface [chars]

**Explanation** Redirect action specified without Tap aggregation enable

**Recommended Action** No DDTS.

**Error 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.

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

**Explanation** ACLQOS Warnings

**Recommended Action** No DDTS.

## ACLQOS-SLOT#-5

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

**Explanation** Disruptive IPv6 compression entries update

**Recommended Action** No DDTS.

**Error Message** ACLQOS-SLOT#-5-ACLQOS\_MAC\_SA\_DA\_OVERLAP\_LOG: MAC [chars] overlap for address(mask) [hex][hex]([hex][hex]) with [hex][hex]([hex][hex]) for hardware instance [dec]

**Explanation** MAC SA/DA overlaps with already configured value. Overlapping MAC SA/DA matching is not supported on this platform

**Recommended Action** No action is required.

**Error Message** ACLQOS-SLOT#-5-ACLQOS\_NAT\_PUNT\_ACL\_CMN\_STATS: All NAT redirect access-list entries will share the same statistics counter

**Explanation** Size of NAT TCAM region is more than the default size value, due to which, statistics cannot be allocated for every NAT access-list configured. All configured NAT access-list entries will share the same statistics counter

**Recommended Action** No action is required.

**Error 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-2

**Error 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** No action is required.

**Error 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.

**Error 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** No action is required.

**Error 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** No action is required.

**Error Message** ACLTCAM-2-ACL\_TCAM\_ENTRY\_DOUBLE\_DEL: Deletion of unused shadow table entry at loc: [hex].

**Explanation** Deletion of unused shadow table entry at loc: [hex]

**Recommended Action** No action is required.

**Error 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.

**Error Message** ACLTCAM-2-ACL\_TCAM\_INCONSISTENT\_DATABASE: Database found inconsistent.

**Explanation** Database found inconsistent.

**Recommended Action** No action is required.

**Error Message** ACLTCAM-2-ACL\_TCAM\_INCONSISTENT\_TCAM\_CONTENTS: TCAM contents found inconsistent.

**Explanation** TCAM contents are found inconsistent.

**Recommended Action** No action is required.

**Error 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** No action is required.

**Error 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** No action is required.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**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.

**Error 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.

**Error 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.

**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.

**Error 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.

**Error Message** ACLTCAM-2-ACL\_TCAM\_PRIO\_REGION\_MISMATCH: Error! Trying to program an entry with prio [dec] ([hex]) in region [chars]. prio2regionmap provides region [chars] for prio [dec] ([hex])

**Explanation** Error! Trying to program an entry with prio [dec] ([hex]) in region [chars]. prio2regionmap provides region [chars] for prio [dec] ([hex])

**Recommended Action** No action is required.

**Error 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** No action is required.

**Error 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.

**Error 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.

### ACLTCAM-3

**Error 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** No action is required.

**Error 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.

## ACLTCAM-4

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

## ACLTCAM-6

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

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

**Recommended Action** No action is required.

## ACL Messages

This section contains the ACL messages.

## ACL-2

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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

**Error 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

**Error 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.

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

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

**Recommended Action** No action is required.

### ACL-5

**Error 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

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

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

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

**Recommended Action** No action is required.

**Error 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.

**Error 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.

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

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

**Recommended Action** No action is required.

**Error 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.

## AMM Messages

This section contains the AMM messages.

### AMM-SLOT#-0

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

**Explanation** AMM failed to initialize CLI infrastructure\'s backend library. This is a fatal error.

**Recommended Action** No action is required.

**Error 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

**Error 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.

**Error 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

**Error 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.

## ASCII-CFG Messages



This section contains the ASCII-CFG messages.

## ASCII-CFG-2

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

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

**Recommended Action** No action is required.

**Error 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.

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

**Explanation** Operation failed

**Recommended Action** No action is required.

**Error 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.

**Error 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.

**Error 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.

**Error Message** ASCII-CFG-2-CONFIG\_REPLAY\_STATUS: [chars] Replay [chars].

**Explanation** Bootstrap or Ascii Configuration Replay Status info.

**Recommended Action** No action is required.

**Error Message** ASCII-CFG-2-CONF\_CONTROL: [chars]

**Explanation** Configuration restore control info.

**Recommended Action** No action is required.

**Error Message** ASCII-CFG-2-CR\_RESTORE\_FAIL: [chars]

**Explanation** Config restore failed during Configure replace

**Recommended Action** No action is required.

**Error 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.

**Error Message** ASCII-CFG-2-SYSERR\_ACFG\_NO\_STARTUP\_CFG\_FILE: [chars]

**Explanation** Startup configuration file is empty

**Recommended Action** No action is required.

### ASCII-CFG-3

**Error 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

**Error 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.

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

**Explanation** Created configuration checkpoint

**Recommended Action** No action is required.

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

**Explanation** Deleted configuration checkpoint

**Recommended Action** No action is required.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

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

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

**Recommended Action** No action is required.

**Error 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

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

**Explanation** Association Manager Emergency Message

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

### ASSOC\_MGR-1

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

**Explanation** Association Manager Alert Message

**Recommended Action** Association Manager Internal Operation Alert

## **ASSOC\_MGR-2**

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

**Explanation** Association Manager Critical Message

**Recommended Action** No action is required.

## **ASSOC\_MGR-3**

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

**Explanation** Association Manager Error Message

**Recommended Action** No action is required.

## **ASSOC\_MGR-4**

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

**Explanation** Association Manager Warning Message

**Recommended Action** No action is required.

## **ASSOC\_MGR-5**

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

**Explanation** Association Manager Notification Message

**Recommended Action** No action is required.

## **ASSOC\_MGR-6**

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

**Explanation** Association Activated

**Recommended Action** No action is required.

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

**Explanation** Association Created

**Recommended Action** No action is required.

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

**Explanation** Association Deactivated

**Recommended Action** No action is required.

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

**Explanation** Association Deleted

**Recommended Action** No action is required.

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

**Explanation** Association Manager Stateful Restart

**Recommended Action** No action is required.

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

**Explanation** Association Manager Stateless Restart

**Recommended Action** No action is required.

**Error 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.

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

**Explanation** ASSOC Manager Informational Message

**Recommended Action** No action is required.

## ASSOC\_MGR-7

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

**Explanation** Association Manager Debug Message

**Recommended Action** No action is required.

## BIOS\_DAEMON Messages

This section contains the BIOS\_DAEMON messages.

### BIOS\_DAEMON-2

**Error 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.

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

**Explanation** Boot from Alternate

**Recommended Action** SYSLOGDOC\_NOACTION

**Error 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

**Error 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

**Error 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.

**Error 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

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

**Explanation** Boot from Primary

**Recommended Action** SYSLOGDOC\_NOACTION

## BOOTUP\_TEST Messages

This section contains the BOOTUP\_TEST messages.

### BOOTUP\_TEST-2

**Error Message** BOOTUP\_TEST-2-E0BC\_FAIL: Module [dec] has failed test [chars] on E0BC due to error [chars]

**Explanation** Online diagnostics EOBC test has failed

**Recommended Action** No action is required.

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

**Explanation** Online diagnostics ManagementPort test has failed

**Recommended Action** No action is required.

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

**Explanation** Online diagnostics ManagementPort test has failed

**Recommended Action** No action is required.

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

**Explanation** Online diagnostics ManagementPort test is skipped

**Recommended Action** No action is required.

## BOOTVAR Messages

This section contains the BOOTVAR messages.

### BOOTVAR-2

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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

**Error 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.

**Error 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.

**Error 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.

**Error Message** BOOTVAR-3-MODULE\_LOCK\_FAIL: Unable to get module lock, please don't reload

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

**Recommended Action** No action is required.

**Error 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.

**Error 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



**Error 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.

**Error 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.

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

**Explanation** The image synchronization done successfully.

**Recommended Action** No action is required.

**Error 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.

**Error 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.

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

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

**Error 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.

**Error Message** BOOTVAR-5-INVALID\_NXOS\_IMAGE: Warning: This is not a valid NXOS image

**Explanation** This is not a valid NXOS image

**Recommended Action** Check whether the input image name you entered is valid NXOS image

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

starting...

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

**Recommended Action** No action is required.

## BOOTVAR-6

**Error 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.

**Error 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.

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

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

**Recommended Action** No action is required.

**Error 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

**Error 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

**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

**Error 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

**Error 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

**Error 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

**Error 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.

**Error 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

**Error 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

## CDP Messages

This section contains the CDP messages.

### CDP-2

**Error Message** CDP-2-CDP\_FEX\_RX\_PAYLOAD\_TOO\_BIG: CDP fex rx payload len is too big. opr [dec], if\_index:[hex], from [dec]/[dec] payload\_len:[dec]

**Explanation** CDP PDU payload len is too big This is a warning message.

**Recommended Action** No action is required.

**Error 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

**Error 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.

**Error 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.

**Error 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.

**Error 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.

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

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

**Recommended Action** No action is required.

**Error 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.

**Error 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.

**Error 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.

**Error 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

**Error Message** CDP-4-CDP\_PDU\_PAYLOAD\_TOO\_BIG: CDP PDU payload len is too big over [dec], if\_index:[hex], payload\_len:[dec](ext\_hdr:[dec])

**Explanation** CDP PDU payload len is too big This is a warning message.

**Recommended Action** No action is required.

**Error 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.

**Error 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

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

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

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

**Error 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.

**Error 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

**Error 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.

**Error 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.

**Error 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.

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

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

**Recommended Action** No action is required.

**Error 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.

**Error 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.

# CFS Messages

This section contains the CFS messages.

## CFS-2

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

**Explanation** CFS reject: [chars] Switch WWN [chars], ip [chars], reason [chars]

**Recommended Action** No action is required.

**Error Message** CFS-2-EXITING: Exit reason: [chars]

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

**Recommended Action** No action is required.

**Error Message** CFS-2-GENERAL\_ERROR: [chars]

**Explanation** The CFS service has encountered an critical error. The description of error is [str.]

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

**Error Message** CFS-2-LOCK\_FAILED: lock failed for sap [dec] due to internal error.

**Explanation** Lock failed due to Unrestricted uncoordinated count is out of sync for sap [dec]

**Recommended Action** To recover from this state run command 'cfs internal decrement-unrestricted '

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

**Explanation** The CFS 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.

**Error Message** CFS-2-MTS\_REJECT: Verification failed reject MTS message SAP [dec]:RR-token [hex]

**Explanation** This MTS message could have been posted by the previous active running pre 3.x; MTS structure has changed since then hence ignore the MTS message, Source SAP [dec]; RR-token [hex]

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

**Error Message** CFS-2-VDC\_MGR\_FAIL: Failed to get a valid switch mac from VDC Manager: [chars]

**Explanation** VDC manager did not respond with a proper MAC address. It could have been because of a timeout in MTS received

**Recommended Action** No action is required.

### CFS-3

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

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

**Recommended Action** No action is required.

**Error 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** No action is required.

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

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

**Recommended Action** No action is required.

**Error Message** CFS-3-DBERROR: [chars]

**Explanation** CFS Service encountered a database error. [chars] specifies the context where the failure occurred.

**Recommended Action** No action is required.

**Error Message** CFS-3-FAILURE\_RESPONSE: [chars] [hex]

**Explanation** CFS Service failed to get response [chars][hex] specify the context where the failure occurred.

**Recommended Action** No action is required.

**Error Message** CFS-3-FIPS\_TEST\_FAILED: FIPS compliance test failed

**Explanation** FIPS compliance test failed

**Recommended Action** No action is required.

**Error Message** CFS-3-GENERROR: [chars]

**Explanation** CFS Service 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.

**Error Message** CFS-3-LICERR: [chars]

**Explanation** CFS Service failed to get license.

**Recommended Action** No action is required.

**Error Message** CFS-3-MERGE\_FAILED: Merge failed for app [chars], local switch wwn [chars], ip [chars], remote switch wwn [chars], ip [chars]

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

**Recommended Action** No action is required.

**Error Message** CFS-3-MTSERROR: [chars]

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

**Recommended Action** No action is required.

**Error Message** CFS-3-PSSERROR: [chars]

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

**Recommended Action** No action is required.

**Error Message** CFS-3-TIMEOUT\_ERROR: [chars] [hex]

**Explanation** CFS Service encountered a timeout [chars][hex] specify the context where the failure occurred.

**Recommended Action** No action is required.

**Error Message** CFS-3-UNKNOWN\_MSG: Recvd. from Node=[dec] SAP=[dec]

**Explanation** The CFS service has received an unknown message from [dec].[dec]. This information is for debugging only.

**Recommended Action** No action is required.

## CFS-4

**Error Message** CFS-4-LICEXP: [chars]

**Explanation** CFS Service license is going to expire. [chars] gives the expected time of expiry

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

## CFS-6

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

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

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

**Error Message** CFS-6-EXCESSIVE\_DELAY: [chars]

**Explanation** Excessive time taken for a processing event. The description of the event is [str.]

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

**Error Message** CFS-6-GENERAL\_EVENT: [chars]

**Explanation** The CFS service has generated an important event. The description of the event is [str.]

**Recommended Action** No action is required.

**Error Message** CFS-6-INVALID\_CHECKSUM: Received packet from peer on if-index([hex]) with corrupted checksum

**Explanation** This could be because of errors in the link

**Recommended Action** No action is required.

**Error Message** CFS-6-INVALID\_IF\_INDEX: Received packet on if-index([hex]) which is not recognized by CFS

**Explanation** The if-index does not match with the if-index used in discovery or we might have already recieved an adjacency cleanup message for this if-index. Check if the if-index is that of the port-channel or a physical if-index

**Recommended Action** No action is required.

**Error Message** CFS-6-INVALID\_PACKET: Received packet from peer on if-index([hex]) with invalid size

**Explanation** This could be because of errors in the link

**Recommended Action** No action is required.

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

**Explanation** Vsan [dec], source wwn [chars], ip [chars], app-id [dec], user [chars], event [chars]

**Recommended Action** No action is required.

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

**Explanation** Source wwn [chars], ip [chars], app-id [dec], session-id [dec], user [chars], event [chars]

**Recommended Action** No action is required.

**Error Message** CFS-6-PSS\_CREATED: [chars] PSS Created

**Explanation** One of the persistent information database of CFS service has been recreated

**Recommended Action** No action is required.

**Error Message** CFS-6-PSS\_DESTROYED: [chars] PSS Destroyed

**Explanation** One of the persistent information databases of CFS Service has been intentionally destroyed and would be recreated.

**Recommended Action** No action is required.

**Error Message** CFS-6-REGION\_CTX\_REMOVED: Region info is deleted for [chars]

**Explanation** [chars] is in logical scope. Regions are supported only physical scope applications

**Recommended Action** No action is required.

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

**Explanation** The CFS service is up and ready to accept client requests The service was initialized in [char] mode.

**Recommended Action** No action is required.

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

**Explanation** CFS Service was created successfully and is up and running. This is an informational message.

**Recommended Action** No action is required.

**Error Message** CFS-6-SRVEXIT: CFS Service shutting down gracefully

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

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

## CLOUD Messages

This section contains the CLOUD messages.

### CLOUD-2

**Error 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

**Error 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

**Error 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

**Error 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

**Error 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

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

**Explanation** Cloud-discovery started

**Recommended Action** Check cloud membership

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

**Explanation** Cloud-discovery started

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

## CORE-DMON Messages

This section contains the CORE-DMON messages.

### CORE-DMON-2

**Error 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.

**Error 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-3

**Error 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.

## CTS Messages

This section contains the CTS messages.

### CTS-2

**Error 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.

**Error Message** CTS-2-CTS\_FIPS\_BYPASS\_TEST\_FAILED: FIPS bypass test failed for interface: [chars]

**Explanation** .

**Recommended Action** No action is required.

**Error Message** CTS-2-CTS\_KEY\_EXPIRED: KEY expired on key chain [chars] interface [chars], session is going to be cleaned up

**Explanation** .

**Recommended Action** No action is required.

**Error Message** CTS-2-CTS\_PRINT\_CRIT: MACSec Error:Unable to configure MACSec on [chars]. It belongs to a Port channel

**Explanation** .

**Recommended Action** No action is required.

**Error Message** CTS-2-CTS\_SAP\_FAILED: SAP exchange failed on interface [chars]. (Reason: [chars])

**Explanation** .

**Recommended Action** No action is required.

**Error Message** CTS-2-CTS\_SAP\_REKEY\_FAILED: SAP exchange failed on interface [chars]. (Reason: [chars])

**Explanation** .

**Recommended Action** No action is required.

**Error Message** CTS-2-DBG\_INIT\_FAILED: Debug Infrastructure Initialization failed ( [chars] )

**Explanation** .

**Recommended Action** No action is required.

**Error 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.

**Error 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.

**Error 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.

**Error Message** CTS-2-FSMU\_INIT\_FAILED: State Machine Infrastructure Initialization failed ( [chars] )

**Explanation .**

**Recommended Action** No action is required.

**Error 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.

**Error Message** CTS-2-LICENSE\_UNAVAILABLE: !!!!! WARNING: 'SECURITY\_PKG' LICENSE NOT FOUND ON THE SYSTEM !!!!! You have tried to enable a licensed feature [MACSEC] without installing the license.

**Explanation** License violation alert!

**Recommended Action** Please install the license file to continue using the feature.

**Error Message** CTS-2-MEM\_FAILED: Memory operations failed File: [chars] Line [dec] for size [hex] bytes

**Explanation .**

**Recommended Action** No action is required.

**Error Message** CTS-2-POST\_INIT\_FAILED: Post-Initialization failed ( [chars] )

**Explanation .**

**Recommended Action** No action is required.

**Error Message** CTS-2-PSS\_INIT\_FAILED: PSS Infrastructure Initialization failed ( [chars] )

**Explanation .**

**Recommended Action** No action is required.

**Error Message** CTS-2-RBACL\_ENFORCEMENT\_FAILED: Failed to [chars] RBACL enforcement on [chars] %lu

**Explanation .**

**Recommended Action** No action is required.

**Error Message** CTS-2-RBACL\_LC\_INSERT\_FAILED: RBACL programming failed for inserted module [dec]

**Explanation .**

**Recommended Action** No action is required.

**Error Message** CTS-2-RBACL\_TCAM\_SPACE\_NOT\_ENOUGH: Not enough free space left on TCAM

**Explanation .**

**Recommended Action** No action is required.

**Error Message** CTS-2-RBACL\_UNABLE\_PARSE\_ACE: Unable to parse RBACL ACE substring: [chars]

**Explanation** .

**Recommended Action** No action is required.

**Error Message** CTS-2-RBACL\_UPDATE\_FAILED: Failed to [chars] RBACL [chars]

**Explanation** .

**Recommended Action** No action is required.

### CTS-3

**Error Message** CTS-3-CTS\_INVALID\_KEY: MACSec: Primary or Fallback Keychain has an invalid key Interface [chars]

**Explanation** No valid key found. Primary or Fallback session will be impacted. Please configure a valid key in keychain

**Recommended Action** No action is required.

**Error Message** CTS-3-CTS\_UNSUPPORTED\_CKN\_CONFIG: MACSec Interface [chars]: Same CKN ([chars]) for Primary and Fallback PSK not supported

**Explanation** .

**Recommended Action** No action is required.

**Error 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-4

**Error Message** CTS-4-CTS\_FALLBACK\_MKPDU\_ICV\_FAILURE: MACSec: Fallback MKA PDU integrity check failed for Interface [chars]

**Explanation** Fallback MKPDU ICV failure. Please match fallback keys on both ends

**Recommended Action** No action is required.

**Error Message** CTS-4-CTS\_FALLBACK\_MKPDU\_VALIDATE\_FAILURE: MACSec: Fallback MKA PDU validation errors for Interface [chars]

**Explanation** .

**Recommended Action** No action is required.

**Error Message** CTS-4-CTS\_FALLBACK\_NO\_ACTIVE\_KEY: MACSec: Fallback keychain does not have any active or valid fallback key Interface [chars]

**Explanation** No active or valid Fallback key found. Fallback session mechanism will be impacted. Please configure a valid fallback key in fallback key chain



**Recommended Action** No action is required.

**Error Message** CTS-4-CTS\_MKPDU\_ICV\_FAILURE: MACSec: MKA PDU integrity check failed for Interface [chars]

**Explanation** MKPDU ICV failure. Please match Primary PSK on both ends

**Recommended Action** No action is required.

**Error Message** CTS-4-CTS\_MKPDU\_VALIDATE\_FAILURE: MACSec: MKA PDU validation errors for Interface [chars]

**Explanation** .

**Recommended Action** No action is required.

## CTS-5

**Error Message** CTS-5-CTS\_FALLBACK\_MKPDU\_ICV\_SUCCESS: MACSec: FALLBACK MKPDU verified. Fallback keys match for Interface [chars]

**Explanation** .

**Recommended Action** No action is required.

**Error Message** CTS-5-CTS\_FALLBACK\_PEER\_NOT\_FOUND: MACSec: Unable to find Fallback key peer for Interface [chars]

**Explanation** .

**Recommended Action** No action is required.

**Error Message** CTS-5-CTS\_FALLBACK\_SESSION\_SECURED: MACSec session SECURED on Fallback PSK: interface: [chars]

**Explanation** Interface is MACSec secured with Fallback PSK.

**Recommended Action** No action is required.

**Error Message** CTS-5-CTS\_IP\_SGT\_MAP\_DELETE: IP-SGT mapping deleted for [chars] on [chars] %lu

**Explanation** .

**Recommended Action** No action is required.

**Error Message** CTS-5-CTS\_IP\_SGT\_MAP\_UPDATE: [chars] assigned SGT [chars]

**Explanation** .

**Recommended Action** No action is required.

**Error Message** CTS-5-CTS\_MACSEC\_SHUTDOWN: MACSec is [chars] on system

**Explanation** Macsec is enabled/shutdown by user configuration. Macsec configuration is allowed in shutdown mode but won't take effect until enabled again.

**Recommended Action** No action is required.

**Error Message** CTS-5-CTS\_MKPDU\_ICV\_SUCCESS: MACSec: MKPDU verified. Primary keys match for Interface [chars]

**Explanation** .

**Recommended Action** No action is required.

**Error Message** CTS-5-CTS\_SESSION\_PENDING: MACSec session is in pending: interface: [chars]

**Explanation** MACSec session on Interface is in pending state.

**Recommended Action** No action is required.

**Error Message** CTS-5-CTS\_SESSION\_SECURED: MACSec session SECURED: interface: [chars]

**Explanation** Interface is MACSec secured.

**Recommended Action** No action is required.

**Error Message** CTS-5-CTS\_SESSION\_STOPPED: MKA Session was stopped and is not secured on Interface [chars] CKN [chars]

**Explanation** MKA Session was stopped and is not secured

**Recommended Action** No action is required.

**Error Message** CTS-5-CTS\_SESSION\_UNSECURED: MACSec session is unsecured : interface: [chars]

**Explanation** Interface is MACSec unsecured.

**Recommended Action** No action is required.

## CTS-6

**Error Message** CTS-6-CTS\_FIPS\_BYPASS\_TEST\_PASSED: FIPS bypass test passed for interface: [chars]

**Explanation** .

**Recommended Action** No action is required.

**Error Message** CTS-6-CTS\_KEY\_CHAIN\_ADDED: MACSec session key chain [chars] added

**Explanation** .

**Recommended Action** No action is required.

**Error Message** CTS-6-CTS\_PRINT: MACSec print:[chars]

**Explanation** .

**Recommended Action** No action is required.

**Error Message** CTS-6-CTS\_SESSION\_PORT\_REINIT: MACSec session port reinitiated this may cause flap: Interface: [chars]

**Explanation** Interface reinit happened due to a change in MACSec session state.

**Recommended Action** No action is required.

**Error Message** CTS-6-SXP\_BIND\_FAIL: CTS SXP socket bind failed for [chars]

**Explanation** .

**Recommended Action** No action is required.

**Error 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.

**Error 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.

**Error Message** CTS-6-SXP\_CONN\_PURGED: CTS SXP connection purged: vrf [dec], peer: [chars]

**Explanation** .

**Recommended Action** No action is required.

**Error 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.

**Error Message** CTS-6-SXP\_DEFAULT\_PASSWORD\_RESET: CTS SXP default password reset

**Explanation** .

**Recommended Action** No action is required.

**Error Message** CTS-6-SXP\_DEFAULT\_PASSWORD\_SET: CTS SXP default password set

**Explanation** .

**Recommended Action** No action is required.

**Error Message** CTS-6-SXP\_DEFAULT\_SRC\_IP\_RESET: CTS SXP default source IP address reset to [chars]

**Explanation** .

**Recommended Action** No action is required.

**Error Message** CTS-6-SXP\_DEFAULT\_SRC\_IP\_SET: CTS SXP default source IP address set to [chars]

**Explanation .**

**Recommended Action** No action is required.

**Error Message** CTS-6-SXP\_INTERNAL\_FAIL: CTS SXP internal failure

**Explanation .**

**Recommended Action** No action is required.

**Error Message** CTS-6-SXP\_LISTEN\_FAIL: CTS SXP socket listen failed

**Explanation .**

**Recommended Action** No action is required.

**Error Message** CTS-6-SXP\_RX\_UNKNOWN\_MSG\_TYPE: CTS SXP received unknown message type [chars]

**Explanation .**

**Recommended Action** No action is required.

**Error 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.

**Error Message** CTS-6-SXP\_STATE\_CHANGE: CTS SXP [chars]

**Explanation .**

**Recommended Action** No action is required.

## DCEFIB Messages

This section contains the DCEFIB messages.

### DCEFIB-SLOT#-0

**Error 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.

**Error 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

**Error 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.

**Error 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.

**Error Message** DCEFIB-SLOT#-2-U2FIB\_ERR: [chars]

**Explanation** L2mp unicast fib encountered an error:

**Recommended Action** No action is required.

## DCEFIB-SLOT#-6

**Error 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.

**Error Message** DCEFIB-SLOT#-6-U2FIB\_INFO: [chars]

**Explanation** L2mp unicast fib notice:

**Recommended Action** No action is required.

**Error 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.

**Error 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.

## DEVICE\_TEST Messages

This section contains the DEVICE\_TEST messages.

### DEVICE\_TEST-2

**Error Message** DEVICE\_TEST-2-ACT2\_FAIL: Module [dec] has failed test [chars] [dec] times on device ACT2 due to error [chars]

**Explanation** Online diagnostics ACT2 test has failed

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-2-ASICMEM\_FAIL: Module [dec] has failed test [chars] [dec] times on device ASIC Memory due to error [chars]

**Explanation** Online diagnostics AsicMemoryTest test has failed

**Recommended Action** No action is required.

**Error 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 ASICRegisterCheck test has failed

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-2-AUTHENTICATION\_FAIL: Module [dec] ACT2-Instance-[dec]: The system integrity check has failed during the boot-up sequence. Please contact Cisco's Technical Assistance Center for more information

**Explanation** Online diagnostics ACT2 Authentication failed

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-2-COMPACT\_FLASH\_FAIL: Module [dec] has failed test [chars] [dec] times on device BootFlash due to error [chars]

**Explanation** Online diagnostics BootFlash test has failed

**Recommended Action** No action is required.

**Error 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 CryptoDevice test has failed

**Recommended Action** No action is required.

**Error 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.

**Error 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 SystemMgmtBus test has failed

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-2-MALLOC\_FAILURE: Memory allocation failed

**Explanation** Device Test process could not allocate memory

**Recommended Action** No action is required.

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

**Explanation** Online diagnostics ManagementPort test is skipped

**Recommended Action** No action is required.

**Error 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.

**Error Message** DEVICE\_TEST-2-NV\_FILE\_SYSTEM\_FULL: System non-volatile storage usage is full at [dec]%. Please check [chars]. Free space available: [dec]K, total size: [dec]K

**Explanation** Online diagnostics OBFL test has identified a filesystem capacity issue, please identify and remove unnecessary files

**Recommended Action** No action is required.

**Error 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.

**Error 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 SystemMgmtBus test has failed

**Recommended Action** No action is required.

**Error 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 PwrMgmtBus test has failed

**Recommended Action** No action is required.

**Error 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.

**Error 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 SpineControlBus test has failed

**Recommended Action** No action is required.

**Error 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 StandbyFabricLoopback test has failed

**Recommended Action** No action is required.

**Error 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.

**Error 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

**Error Message** DEVICE\_TEST-3-INTERNAL\_PORT\_MONITOR\_CRC\_ERRORS\_DETECTED: Module [dec] received tx errors on internal interface [chars] since last run TXErr=%llu TotalTXErr=%llu

**Explanation** Internal interface errors detected.

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-3-INTERNAL\_PORT\_MONITOR\_FAIL: Internal port failures were detected while running test.

**Explanation** Internal link errors (CRC/FCS) have been detected.

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-3-INTERNAL\_PORT\_MONITOR\_INIT\_FAIL: Failed to initialize port monitor test.

**Explanation** Failed to initialize port monitor test.

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-3-INTERNAL\_PORT\_MONITOR\_INPUT\_DISCARD\_DETECTED: Module [dec] received in\_discards on internal interface [chars] since last run RXErr=%ju TotalRXErr=%ju

**Explanation** Internal interface errors detected.

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-3-INTERNAL\_PORT\_MONITOR\_TOTAL\_PKT\_INC\_DETECTED: Testing only - Module [dec] received new packets on internal interface [chars] since last run delta\_pkt\_count=%llu TotalPktCnt=%llu

**Explanation** Internal interface errors detected.



**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-3-INTERNAL\_PORT\_MONITOR\_TX\_ERRORS\_DETECTED: Module [dec] received tx errors on internal interface [chars] since last run TXErr=%llu TotalTXErr=%llu

**Explanation** Internal interface errors detected.

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-3-MCE\_1HR\_FAIL: Module [dec] has exceeded MCE 1 hour correctable threshold of [dec] with [dec] correctable errors for address 0x%llx within 1 an hour.

**Explanation** These memory errors are correctable and no functional impact to system behavior. However, excessive correctable memory errors can be an indication of possible hardware fault. Please collect \show tech gold\ and open a Support case for further investigation.

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-3-MCE\_24HR\_FAIL: Module [dec] has exceeded MCE 24 hour correctable threshold of [dec] with [dec] correctable errors within 24 hours.

**Explanation** These memory errors are correctable and no functional impact to system behavior. However, excessive correctable memory errors can be an indication of possible hardware fault. Please collect \show tech gold\ and open a Support case for further investigation.

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-3-NV\_FILE\_SYSTEM\_NEAR\_FULL: System non-volatile storage usage is high at [dec]%. Please check [chars]. Free space available: [dec]K, total size: [dec]K

**Explanation** Online diagnostics OBFL test has identified a filesystem capacity issue, please identify and remove unnecessary files

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-3-STANDBY\_TEST\_GET\_DIAG\_VQI\_FAIL: Standby test get diag vqi failed due to error [hex]

**Explanation** Device Test StandbyLoopback Test failed get vqi

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-3-STANDBY\_TEST\_GET\_SPINE\_FAIL: Standby test get spines failed due to error [hex]

**Explanation** Device Test StandbyFabricLoopback Test get spine failed

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-3-STANDBY\_TEST\_INIT\_FAIL: Init for standby test failed due to error [hex]

**Explanation** Device Test StandbyFabricLoopback Test failed init process

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-3-STANDBY\_TEST\_MTS\_FAIL: Mts Init for standby test failed due to error [hex]

**Explanation** Device Test StandbyFabricLoopback Test failed mts init

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-3-STANDBY\_TEST\_SOCKET\_FAIL: Standby test socket error [chars]: [hex]

**Explanation** Device Test StandbyFabricLoopback Test Socket error

**Recommended Action** No action is required.

## DEVICE\_TEST-4

**Error Message** DEVICE\_TEST-4-PRIMARY\_BOOTROM\_FAIL: Module [dec] has failed test [chars] [dec] times on device Primary BootROM due to error [chars]

**Explanation** Online diagnostics PrimaryBootROM test has failed

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-4-SECONDARY\_BOOTROM\_FAIL: Module [dec] has failed test [chars] [dec] times on device Secondary BootROM due to error [chars]

**Explanation** Online diagnostics SecondaryBootROM test has failed

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-4-THREAD\_CREATE\_FAIL: Thread creation failed

**Explanation** Device Test process could not create threads

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-4-TIMER\_CREATE\_FAIL: Timer creation failed

**Explanation** Device Test process could not create timer

**Recommended Action** No action is required.

**Error 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

**Error Message** DEVICE\_TEST-5-INTERNAL\_PORT\_MONITOR\_END: Completed internal port monitoring test.

**Explanation** Completed internal port monitoring test.

**Recommended Action** No action is required.

**Error Message** DEVICE\_TEST-5-INTERNAL\_PORT\_MONITOR\_START: Starting internal port monitoring

test.

**Explanation** Starting internal port monitoring test.

**Recommended Action** No action is required.

**Error 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

**Error 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 Messages

This section contains the DEV\_LOG messages.

### DEV\_LOG-3

**Error Message** DEV\_LOG-3-ERROR: [chars]

**Explanation** Dev\_log\_lc encountered an error

**Recommended Action** No action is required.

### DEV\_LOG-SLOT#-4

**Error 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

**Error 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.

**Error Message** DFTM-SLOT#-2-DFTM\_INVALID\_FTAG\_NUM: DFTM received invalid number of FTags [dec] from M2RIB

**Explanation** DFTM recvd invalid number of FTags from M2RIB.

**Recommended Action** No action is required.

**Error 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.

**Error 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.

**Error Message** DFTM-SLOT#-2-DFTM\_VLAN\_NOT\_FOUND: VLAN [dec] not found in DFTM database [chars]

**Explanation** DFTM database doesn't have the VLAN.

**Recommended Action** No action is required.

### DFTM-SLOT#-3

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

## DHCLIENT Messages

This section contains the DHCLIENT messages.

### DHCLIENT-2

**Error Message** DHCLIENT-2-DHCLIENT\_DISCOVER\_RECVD\_NAK: [chars] - Received DHCP NAK

**Explanation** Received DHCP NAK

**Recommended Action** No action is required.

**Error Message** DHCLIENT-2-DHCLIENT\_DISCOVER\_START: [chars] - DHCLIENT DHCP Discover phase started

**Explanation** DHCLIENT DHCP Discover phase started

**Recommended Action** No action is required.

**Error Message** DHCLIENT-2-DHCLIENT\_FAILURE: [chars]

**Explanation** DHCLIENT Failure

**Recommended Action** No action is required.

**Error Message** DHCLIENT-2-DHCLIENT\_FLASH\_FULL: DHCLIENT bootflash doesn't have enough space (85% FULL)

**Explanation** DHCLIENT bootflash doesn't have enough space (85% FULL)

**Recommended Action** No action is required.

**Error Message** DHCLIENT-2-DHCLIENT\_INITED: [chars] - DHCLIENT process initialized

**Explanation** DHCLIENT process initialized

**Recommended Action** No action is required.

**Error Message** DHCLIENT-2-DHCLIENT\_SCRIPT\_DOWNLOADED: [chars] - Successfully downloaded DHCLIENT script file

**Explanation** Successfully downloaded DHCLIENT script file

**Recommended Action** No action is required.

**Error Message** DHCLIENT-2-DHCLIENT\_SCRIPT\_EXEC\_SUCCESS: [chars] - DHCLIENT script execution success

**Explanation** DHCLIENT script execution success

**Recommended Action** No action is required.

**Error Message** DHCLIENT-2-DHCLIENT\_SCRIPT\_STARTED\_MD5\_NOT\_VALIDATED: [chars] - DHCLIENT script execution started(MD5 not validated)

**Explanation** DHCLIENT script execution started(MD5 not validated)

**Recommended Action** No action is required.

**Error Message** DHCLIENT-2-DHCLIENT\_SCRIPT\_STARTED\_MD5\_VALIDATED: [chars] - DHCLIENT script execution started(MD5 validated)

**Explanation** DHCLIENT script execution started(MD5 validated)

**Recommended Action** No action is required.

**Error Message** DHCLIENT-2-DHCLIENT\_SCRIPT\_STARTED\_MD5\_VALIDATION\_FAIL: [chars] - DHCLIENT boot

file validation failed

**Explanation** DHCLIENT boot file validation failed.

**Recommended Action** No action is required.

## DHCLIENT-4

**Error Message** DHCLIENT-4-DHCLIENT\_WARNING: [chars]

**Explanation** DHCLIENT Warning

**Recommended Action** No action is required.

## DHCLIENT-5

**Error Message** DHCLIENT-5-DHCLIENT\_DISABLED: [chars] - DHCLIENT Disabled

**Explanation** DHCLIENT Service Disabled

**Recommended Action** No action is required.

**Error Message** DHCLIENT-5-DHCLIENT\_ENABLED: [chars] - DHCLIENT Enabled

**Explanation** DHCLIENT Service nabled

**Recommended Action** No action is required.

## DHCLIENT-6

**Error Message** DHCLIENT-6-DHCLIENT\_INFO: [chars]

**Explanation** DHCLIENT Info

**Recommended Action** No action is required.

## DHCLIENT-7

**Error Message** DHCLIENT-7-DHCLIENT\_DEBUG: [chars]

**Explanation** DHCLIENT Debug

**Recommended Action** No action is required.

## DHCP\_SNOOP Messages

This section contains the DHCP\_SNOOP messages.

### DHCP\_SNOOP-1

**Error Message** DHCP\_SNOOP-1-IPSG\_WARN\_MSG: Configuring IPSG on the interface will result in IPv6 traffic loss.

**Explanation** Configuring IPSG on the interface will result in IPv6 traffic loss.

**Recommended Action** No action is required.

## DHCP\_SNOOP-2

**Error Message** DHCP\_SNOOP-2-BD\_LABEL\_FAILURE: Unable to allocate BD label.

**Explanation** Unable to allocate BD label.

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-2-DHCP\_SNOOP\_PROGRAM\_EXIT: [chars]

**Explanation** DHCP snoop process did an abnormal exit

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-2-DHCP\_SNOOP\_Q\_FULL: [chars]

**Explanation** DHCP snoop process received QUEUE FULL Notification from MTS

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-2-DHCP\_SNOOP\_Q\_HIGH: [chars]

**Explanation** DHCP snoop process received QUEUE HIGH Notification from MTS

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-2-ERROR\_DEFAULT\_RAGUARD\_CONF: Default raguard already configured, remove default raguard before attaching policy

**Explanation** Default raguard already configured, remove default raguard before attaching policy

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-2-ERROR\_FEX\_IFACL\_TCAM\_NOT\_CARVED: FEX-IPV6-IFACL TCAM not available, please carve before enabling feature

**Explanation** FEX-IPV6-IFACL TCAM not available, please carve before enabling feature

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-2-ERROR\_IFACL\_TCAM\_NOT\_CARVED: IFACL TCAM not available, please carve before enabling feature

**Explanation** IFACL TCAM not available, please carve before enabling feature

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-2-ERROR\_SISF\_FIRST\_CONF: FHS feature requires a one time reload after ISSU to remap the TCAM allocation

**Explanation** FHS feature requires a one time reload after ISSU to remap the TCAM allocation

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-2-ERROR\_TAH\_IFACL\_TCAM\_NOT\_CARVED: IFACL TCAM not available, please



carve before enabling feature.

**Explanation** IFACL TCAM not available,please carve before enabling feature

**Recommended Action** No action is required.

**Error 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.

**Error Message** DHCP\_SNOOP-2-IFACL\_LABEL\_FAILURE: Unable to allocate IFACL label.

**Explanation** Unable to allocate IFACL label.

**Recommended Action** No action is required.

**Error 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.

**Error 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.

**Error 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.

**Error Message** DHCP\_SNOOP-2-TCAM\_NOT\_CONFIGURED: Ingress Redirect TCAM not available,please carve before enabling feature.

**Explanation** Ingress Redirect TCAM not available,please carve before enabling feature

**Recommended Action** No action is required.

### DHCP\_SNOOP-3

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error Message** DHCP\_SNOOP-3-IPV6APIINIT\_FAILED: [chars]

**Explanation** DHCP Snoop process failed to do ipv6\_api\_init [chars]

**Recommended Action** No action is required.

**Error Message** DHCP\_SNOOP-3-IPV6REGISTER\_FAILED: [chars]

**Explanation** DHCP Snoop process failed to do ipv6\_register [chars]

**Recommended Action** No action is required.

**Error 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.

**Error Message** DHCP\_SNOOP-3-PKTDROP: Packet dropped. Reason - [chars]

**Explanation** Dropping the packet. [char] identifies the reason.

**Recommended Action** No action is required.

**Error 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.

**Error 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.

**Error Message** DHCP\_SNOOP-3-SETSOCKOPTFAIL: Failed to set socket option - [chars]

**Explanation** Failed to set socket option [char] identifies the reason.

**Recommended Action** No action is required.

**Error 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.

**Error 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

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error Message** DHCP\_SNOOP-6-DHCPPKTFWD: Gracefully forwarding DHCP packet. Reason: [chars]

**Explanation** Gracefully forwarding DHCP packet. reason [chars]

**Recommended Action** No action is required.

**Error 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.

**Error Message** DHCP\_SNOOP-6-INFO: [chars]

**Explanation** An event during switchover. [chars] explains the reason for the failure.

**Recommended Action** No action is required.

**Error 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.

**Error 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.

**Error 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.

**Error Message** DHCP\_SNOOP-6-OPT82INSTFAIL: [chars] [chars]

**Explanation** Insertion of Option82 suboptions 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

**Error Message** DIAGCLIENT-2-DIAG\_BOOTUP\_COMPLETE: Module <[dec]> Bootup Test <[chars]> has reported <[chars]>

**Explanation** Bootup Test completed

**Recommended Action** Nothing to be done if the test reports SUCCESS otherwise copy the error 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

**Error Message** DIAGCLIENT-2-DIAG\_HM\_FAIL: Module <[dec]> Health Monitoring Test <[chars]> has failed <[dec]> consecutived times due to error <[chars]> Please use 'show diagnostic result ' to see test results

**Explanation** A Health Monitoring Test has reported failure

**Recommended Action** Ensure the line card is firmly in the slot, reseal 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 error 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.

**Error Message** DIAGCLIENT-2-DIAG\_TOC\_CORRUPTION: Diagnostic TOC entry [dec] is invalid

**Explanation** TOC entries may be corrupted

**Recommended Action** No action is required.

**Error Message** DIAGCLIENT-2-EEM\_ACTION\_HM\_SHUTDOWN: Test <[chars]> has been disabled as a part of default EEM action

**Explanation** Informational Syslog

**Recommended Action** No action is required.

**Error Message** DIAGCLIENT-2-PER\_PORT\_SPINE\_TEST\_FAIL: Module <[dec]> Test <[chars]> has failed <[dec]> consecutived times on Ports <[chars]> faulty spine <[chars]> due to error <[chars]> Please use 'show diagnostic result ' to see test results

**Explanation** Per Port Test has failed on the above all ports

**Recommended Action** No action is required.

**Error Message** DIAGCLIENT-2-PER\_PORT\_TEST\_FAIL: Module <[dec]> Test <[chars]> has failed <[dec]> consecutived times on Ports <[chars]> due to error <[chars]> Please use 'show diagnostic result ' to see test results

**Explanation** Per Port Test has failed on the above all ports

**Recommended Action** No action is required.

**Error 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.

**Error 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

**Error Message** DIAGCLIENT-3-ONDEMAND\_FAIL\_EXCESS: Module <[dec]> Test <[chars]> has failed more than <[dec]> number of times

**Explanation** Ondemand test has failed more than configured number of times

**Recommended Action** Copy the error 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

**Error 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.

**Error 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

**Error Message** DIAGCLIENT-5-CALLOC\_FAILURE: Memory allocation failed

**Explanation** DiagClient process could not allocate memory

**Recommended Action** No action is required.

**Error Message** DIAGCLIENT-5-DIAG\_ONDEMAND\_TEST\_FINISH: Module [dec]: Ondemand test [chars] finished

**Explanation** Informational Syslog

**Recommended Action** No action is required.

**Error Message** DIAGCLIENT-5-DIAG\_ONDEMAND\_TEST\_START: Module [dec]: Ondemand test [chars]



started

**Explanation** Informational Syslog

**Recommended Action** No action is required.

**Error Message** DIAGCLIENT-5-DIAG\_ONDEMAND\_TEST\_STOP: Module [dec]: Ondemand test [chars] stopped

**Explanation** Informational Syslog

**Recommended Action** No action is required.

**Error Message** DIAGCLIENT-5-DIAG\_SCHED\_COMPLETE: Module <[dec]> Test <[chars]> has completed Scheduled Testing

**Explanation** A scheduled Test was completed

**Recommended Action** No action is required.

**Error Message** DIAGCLIENT-5-ONDEMAND\_FAIL: Module <[dec]> Test <[chars]> has failed in Test\_Iteration <[chars]>

**Explanation** The specified test has reported FAILURE in this Iteration

**Recommended Action** No action is required.

**Error Message** DIAGCLIENT-5-ONDEMAND\_SUCCESS: Module <[dec]> Test <[chars]> has completed successfully in Test\_Iteration <[chars]>

**Explanation** The specified test has reported SUCCESS in this Iteration

**Recommended Action** No action is required.

## DIAGMGR Messages

This section contains the DIAGMGR messages.

### DIAGMGR-2

**Error Message** DIAGMGR-2-INTRVL\_INCORRECT: Monitoring Interval is less than minimum of [dec] seconds required for Module <[dec]> test <[chars]>

**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 error message text provides the lowest possible configurable interval for the specified monitoring interval

**Error Message** DIAGMGR-2-MODULE\_ERROR: Test-id(s) [dec] are invalid on Module [dec]

**Explanation** Test id is invalid on this module

**Recommended Action** No action is required.

**Error 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.

**Error 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.

**Error 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.

**Error Message** DIAGMGR-2-TEST\_ERROR: Test-id [dec] are not Health Monitoring on Module [dec]

**Explanation** Test id is not valid HM test

**Recommended Action** No action is required.

## DIAGMGR-3

**Error Message** DIAGMGR-3-DIAG\_MAJOR\_DEFECT: Module <[dec]> Test <[chars]> detected a Major Error  
Please use 'show diagnostic result ' to see test results

**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 reseating the card and retrying the test, copy the error 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.

**Error Message** DIAGMGR-3-DIAG\_MINOR\_DEFECT: Module <[dec]> Test <[chars]> detected a Minor Error  
Please use 'show diagnostic result ' to see test results

**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 reseating the card and retrying the test, copy the error 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

**Error 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

**Error 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.

**Error Message** DIAGMGR-4-DISRPT\_TST\_START: Starting Test <[chars]> on Module <[dec]> is Disruptive

**Explanation** Starting a Disruptive Test can disturb the system's normal functionality

**Recommended Action** Reset target module

**Error 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

**Error Message** DIAGMGR-4-TEST\_ACTIVE: Test-id [dec] Configuration will be effective when the SUP will be Active

**Explanation** Test id Configuration will be effective when the SUP will be Active

**Recommended Action** No action is required.

**Error Message** DIAGMGR-4-TEST\_STANDBY: Test-id [dec] Configuration will be effective when the SUP will be Standby

**Explanation** Test id Configuration will be effective when the SUP will be Standby

**Recommended Action** No action is required.

## DIAGMGR-5

**Error Message** DIAGMGR-5-BOOTUP\_CONF: Diagnostic Bootup Level: <[chars]>

**Explanation** Current Diagnostic BootUp Level being configure or changed

**Recommended Action** No action is required.

**Error 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.

**Error Message** DIAGMGR-5-CHANGE\_ALWAYS\_HM: Health Monitoring test <[chars]> in Module <[dec]> is a must run and cannot be modified

**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.

**Error Message** DIAGMGR-5-HM\_START: Health monitoring test <[chars]> for Module <[dec]>

**Explanation** Health Monitoring Test started

**Recommended Action** No action is required.

**Error Message** DIAGMGR-5-HM\_STOP: Disabling health monitoring test <[chars]> for Module <[dec]>

**Explanation** Health Monitoring Test has been stopped It can be enabled through the diagnostic monitor..... command

**Recommended Action** No action is required.

**Error 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 error 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

**Error Message** DIAGMGR-5-NONHM\_AS\_HM: The Test <[chars]> cannot be used as health monitoring test

**Explanation** Non-HM test cannot be scheduled to run as a Health Monitoring test

**Recommended Action** No action is required.

## DIAGMGR-6

**Error Message** DIAGMGR-6-BOOTUP\_DIAG\_OK: Module <[dec]>: Passed Online Diagnostics

**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.

**Error Message** DIAGMGR-6-BOOTUP\_TEST\_STARTED: Module <[dec]>: Running [chars] Diagnostics

**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

**Error Message** DIAG\_PORT\_LB-2-BOOTUP\_PORTLOOPBACK\_TEST\_FAIL: Module:[dec] Test:Bootup PortLoopback failed [dec] consecutive times. Faulty module:[chars] [chars] Error:[chars]

**Explanation** Bootup PortLoopback test failed on the module consecutively

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-2-FIPS\_RANDOM\_ERROR: Random Number Generation Failure

**Explanation** Random Number generation failed in FIPS module

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-2-FIPS\_TEST\_FAIL: Module:[dec] Test:MACSEC verification failed [dec] consecutive times. Faulty module:[chars] [chars] Error:[chars]

**Explanation** MACSEC test failed on the module consecutively

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-2-L2ACLREDIRECT\_LOOPBACK\_TEST\_FAIL: Module:[dec] Test:L2ACLRedirect Loopback failed [dec] consecutive times. Faulty module:[chars] [chars] Error:[chars]

**Explanation** L2ACLRedirect Loopback test failed on the module consecutively

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-2-L2ACLREDIRECT\_LOOPBACK\_TEST\_INTERMEDIATE\_FAIL: Warning! Module:[dec] Test:L2ACLRedirect Loopback failed [dec] consecutive times. Upon reaching consecutive failure threshold corrective action would be taken.

**Explanation** Warning! L2ACLRedirect Loopback test failed on the module consecutively

**Recommended Action** No action is required.

**Error 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 action is required.

**Error 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 action is required.

**Error Message** DIAG\_PORT\_LB-2-MALLOC\_FAILURE: [chars]([dec]) Memory allocation failed.

**Explanation** Port Loopback test process could not allocate memory

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-2-PORTLOOPBACK\_TEST\_FAIL: Module:[dec] Test:PortLoopback failed [dec] consecutive times. Faulty module:[chars] [chars] Error:[chars]

**Explanation** PortLoopback test failed on the module consecutively

**Recommended Action** No action is required.

**Error 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 action is required.

**Error 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 Loopback test failed on the module consecutively

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-2-SNAKE\_TEST\_LOOPBACK\_TEST\_FAIL: Module:[dec] Test:SnakeLoopback failed [dec] consecutive times. Faulty module:[chars] affected ports:[chars] Error:[chars]

**Explanation** Snake test failed on the module consecutively

**Recommended Action** No action is required.

### DIAG\_PORT\_LB-3

**Error 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 action is required.

**Error 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 action is required.

**Error 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 action is required.

**Error 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 action is required.

**Error 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 action is required.

**Error Message** DIAG\_PORT\_LB-3-INVALID\_TEST\_REQUEST: [chars]([dec]) [chars]:[dec]

**Explanation** Port Loopback test process failed to get test request info.

**Recommended Action** No action is required.

**Error 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 action is required.

**Error 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 action is required.

**Error 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 ifindex <-> port index.

**Recommended Action** No action is required.

**Error 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 action is required.

**Error 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 action is required.

**Error 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 action is required.

**Error Message** DIAG\_PORT\_LB-3-RW\_ENGINE\_LOOPBACK\_TEST\_SPINE\_PATH\_FAIL: Module:[dec]  
Test:RewriteEngine Loopback Spine path:[dec] failed [dec] consecutive times. Error:[chars]

**Explanation** Rewrite Engine Loopback test failed on the spine path consecutively

**Recommended Action** No action is required.

**Error Message** DIAG\_PORT\_LB-3-SOCKET\_ERROR: [chars]([dec]) [chars] Error:[chars]

**Explanation** Port Loopback test process failed in socket operations

**Recommended Action** No action is required.

**Error 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 action is required.

**Error 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 action is required.

**Error Message** DIAG\_PORT\_LB-3-TIMER\_LIB\_ERROR: [chars]([dec]) [chars]

**Explanation** Port Loopback test process timer handling failure.

**Recommended Action** No action is required.

**Error 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 action is required.

**Error Message** DIAG\_PORT\_LB-3-VQI\_GET\_FAIL: Failed to get the Diag VQi from XBM. Error:[chars]

**Explanation** Rewrite Engine Loopback test failed to get the Diag VQi from XBAR Mgr

**Recommended Action** No action is required.

**Error 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 action is required.

## DIAG\_PORT\_LB-4

**Error 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.

**Error Message** DIAG\_PORT\_LB-4-PORT\_CFG\_REQ\_SEND: [chars]([dec]) Failed to send request to configure port ifindex:[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

**Error 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.

**Error 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.

## DOT1X Messages

This section contains the DOT1X messages.

### DOT1X-2

**Error 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

**Error 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

**Error Message** DOT1X-3-ERR\_SPANDST: Dot1x can not be enabled on [chars]. It is configured as a SPAN Dest port.

**Explanation** Dot1x and SPAN Dest ports are mutually exclusive features.

**Recommended Action** Disable SPAN destination port configuration first before reconfiguring Dot1x on the port.

**Error Message** DOT1X-3-INVALID\_DACL\_DVLAN: Client [chars] has DVLAN and DACL configured. This is not supported

**Explanation** Dacl and dvlan cannot be configured on same client

**Recommended Action** Configure dacl or dvlan on a given client

**Error Message** DOT1X-3-INVALID\_DACL: Invalid DACL name [chars] for client [chars]

**Explanation** Client received invalid DACL from ISE

**Recommended Action** Only single DACL supported per box.

**Error Message** DOT1X-3-INVALID\_DVLAN: Dvlan client [chars] not allowed. Interace already has non-dvlan clients

**Explanation** DVLAN Clients not allowed as the Interface contains non DVLAN clients

**Recommended Action** Unsupported dvlan configuration

**Error Message** DOT1X-3-INVALID\_INPUT: Dot1x Interface parameter is 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.

**Error Message** DOT1X-3-INVALID\_NON\_DVLAN: Non-dvlan client [chars] not allowed. Interface already has dvlan clients

**Explanation** Non-DVLAN Clients not allowed as the Interface contains active DVLAN clients

**Recommended Action** Unsupported dvlan configuration

**Error Message** DOT1X-3-MEM\_UNAVAIL: Memory was not available to 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.

**Error Message** DOT1X-3-NONEXISTENT\_DACL: DACL [chars] does not exist on switch

**Explanation** DACL for blocklist clients is not found on switch

**Recommended Action** Preconfigure DACL on switch

**Error Message** DOT1X-3-NOT\_DOT1X\_CAPABLE: Dot1x is not supported on [chars] port [chars].

**Explanation** Dot1x Authentication can only be enabled on physical Ethernet interfaces.

**Recommended Action** Enable Dot1x Authentication on physical Ethernet interfaces only.

**Error Message** DOT1X-3-SECURE\_MAC\_INSERT\_FAILED: Mac address [chars] could not be secured on interface [chars]

**Explanation** The interface specified in the error message could not secure supplicant mac. The port has been Error disabled.

**Recommended Action** Mac address could not be added into mac address table. Enter the shutdown followed by no shutdown command to restart authentication on the port.

**Error Message** DOT1X-3-SECURITY\_VIOLATION: Security violation New MAC address [chars] is seen on interface [chars] in [chars] mode

**Explanation** The port on the interface specified in the error 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 shutdown followed by no shutdown command to restart the port.

**Error 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

**Error 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

**Error 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

**Error 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

**Error Message** DOT1X-4-MULTIHOST\_ON\_PCM: Interface [chars] is a member of portchannel, dot1x host mode will be multi-host and changing it to other modes won't 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

**Error Message** DOT1X-4-MULTI\_AUTH\_NOT\_SUPPORTED: dot1x host mode with MULTI-AUTH won't be supported on EOR or REDMOND

**Explanation** Dot1x host mode multi-auth will not be supported on EOR and REDMOND

**Recommended Action** Do not configure multi-auth host mode.

**Error 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

**Error 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.

**Error Message** DOT1X-4-T0\_MULTIHOST: Interface [chars] is in trunk mode, dot1x host mode will be multi-host and changing it to other host mode won't 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

**Error Message** DOT1X-5-DOT1X\_DISABLED: dot1x Disabled

**Explanation** Dot1x Service Disabled

**Recommended Action** No action is required.

**Error Message** DOT1X-5-DOT1X\_ENABLED: dot1x Enabled

**Explanation** Dot1x Service Enabled

**Recommended Action** No action is required.

**Error Message** DOT1X-5-DOT1X\_NOTIF: [chars]

**Explanation** Dot1x Notification

**Recommended Action** No action is required.

**Error Message** DOT1X-5-INVALID\_EAPOL: Invalid EAPOL packet formation for type [dec]: packet body length [dec] interface [chars] MTU [dec]

**Explanation** 802.1X received invalid EAPOL packet

**Recommended Action** Verify source of EAPOL packets

**Error Message** DOT1X-5-INVALID\_MAC: Invalid MAC address(drop, zero, 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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

**Error Message** DOT1X-6-NOT\_DOT1X\_CAPABLE\_SAT\_FABRIC: Dot1x is not supported on [chars] port [chars].

**Explanation** Dot1x Authentication can only be enabled on physical Ethernet interfaces.

**Recommended Action** Enable Dot1x Authentication on physical Ethernet interfaces only.

## DSTATS Messages

This section contains the DSTATS messages.

### DSTATS-2

**Error 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 'show flash'. See pss system error codes for reason.

### DSTATS-3

**Error 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 'show flash'. See pss system error codes for reason.

**Error 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 'show flash'. See pss system error codes for reason.

**Error 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 'show flash'. See pss system error codes for reason.

**Error 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 'show flash'. See pss system error codes for reason.

**Error 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 'show flash'. See pss system error codes for reason.

**Error 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 'show flash'. See pss system error codes for reason.

**Error 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 'show flash'. See pss system error codes for reason.

**Error 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 'show flash'. See pss system error codes for reason.

**Error 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 'show flash'. See pss system error codes for reason.

# ELTMC Messages

This section contains the ELTMC messages.

## ELTMC-SLOT#-2

**Error Message** ELTMC-SLOT#-2-ELTMC\_GENERIC\_DEBUG: [chars]

**Explanation** Logging some generic debugging info

**Recommended Action** No action is required.

**Error 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 eltm for futher analysis.

**Recommended Action** No action is required.

**Error Message** ELTMC-SLOT#-2-ELTMC\_INTERNAL\_ERROR: Internal error: [chars], collect output of show tech-support eltm

**Explanation** ELTM hit a internal error. Collect show tech-support eltm for futher analysis.

**Recommended Action** No action is required.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error Message** ELTMC-SLOT#-2-ELTMC\_L2\_LIF\_ALLOC\_FAIL\_INTF: Failed to allocate L2 LIF entries in forwarding engine for interfac [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.

**Error 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.

**Error 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.

**Error Message** ELTMC-SLOT#-2-ELTMC\_L3\_INGRESS\_LIF\_ALLOC\_FAIL\_INTF: Failed to allocate L3 Ingress LIF entries in forwarding engine for interfac [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.

**Error 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.

**Error Message** ELTMC-SLOT#-2-ELTMC\_LTL\_ISSUE\_EXT\_COMP: Critical LTL clean-up issue (either ETHPM/PIXM) [chars]

**Explanation** LTL didnt get cleaned-up either bcos of ETHPM not sending DELETE or PIXM issuing a duplicate LTL

**Recommended Action** No action is required.

**Error 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.



**Error Message** ELTMC-SLOT#-2-ELTMC\_RSVD\_VLAN: Failed to get the reserved vlans. Failed with error [chars]

**Explanation** ELTM Failed to get the reserved vlan's. This will effect multicast forwarding on SVI interfaces

**Recommended Action** No action is required.

**Error 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.

**Error 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 futher analysis.

**Recommended Action** No action is required.

## ELTM Messages

This section contains the ELTM messages.

### ELTM-2

**Error 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 futher analysis.

**Recommended Action** No action is required.

**Error 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 futher analysis.

**Recommended Action** No action is required.

**Error 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.

**Error Message** ELTM-2-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.

**Error 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.

**Error Message** ELTM-2-QINQ\_TRANSIT\_ENABLE: ELTM Failed to set/reset qinq\_transit\_enable

**Explanation** ELTM Failed to set/reset qinq\_transit\_enable

**Recommended Action** No action is required.

## ELTM-3

**Error 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

**Error 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

**Error Message** ELTM-6-SVI\_LIF\_NOT\_PRESENT: [chars]:[chars], collect output of show tech-support eltm/vlan/interface-vlan

**Explanation** Mismatch between SVI and vlan-mgr.

**Recommended Action** No action is required.

## EOU Messages

This section contains the EOU messages.

### EOU-2

**Error Message** EOU-2-PACL\_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

**Error Message** EOU-5-L2NAC\_DISABLED: EOU Disabled

**Explanation** Service EOU Disabled

**Recommended Action** No action is required.

**Error Message** EOU-5-L2NAC\_ENABLED: EOU Enabled

**Explanation** Service EOU enabled

**Recommended Action** No action is required.

## EOU-6

**Error Message** EOU-6-AAA\_DOWN: Default Policy ip: [chars]:retained

**Explanation** Policy retained

**Recommended Action** No action is required.

**Error Message** EOU-6-AUTHTYPE: Authtype: ip: [chars] Authtype:[chars]

**Explanation** Authentication type

**Recommended Action** No action is required.

**Error Message** EOU-6-BAD\_PKT: Bad Packet: ip: [chars] Why: [chars]

**Explanation** Bad Packet because of reason specified

**Recommended Action** No action is required.

**Error Message** EOU-6-CTA: CTA: ip: [chars] status(detected/not detected): [chars]

**Explanation** CTA detected or not

**Recommended Action** No action is required.

**Error Message** EOU-6-IDENTITY\_MATCH: Identity Match: ip: [chars] Policy: [chars]

**Explanation** Identity Matched or not

**Recommended Action** No action is required.

**Error 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.

**Error Message** EOU-6-POLICY: Policy on ip: [chars]: [chars]: [chars]

**Explanation** Policy applied

**Recommended Action** No action is required.

**Error Message** EOU-6-POSTURE: Posture:ip: [chars] Status: [chars], Interface: [chars]

**Explanation** Posture of host

**Recommended Action** No action is required.

**Error Message** EOU-6-SESSION: Session ip: [chars] Action:[chars] , Interface: [chars]

**Explanation** Session detected

**Recommended Action** No action is required.

**Error Message** EOU-6-SOCKET: Service eou on port: [dec]

**Explanation** Eou using above port

**Recommended Action** No action is required.

**Error Message** EOU-6-SQ\_EAP\_MSG: Status Query: ip: [chars] status: [chars]

**Explanation** Status query state

**Recommended Action** No action is required.

**Error Message** EOU-6-UNKN\_EVENT\_ERR: Unknow Event Err: ip: [chars] Message: [chars]

**Explanation** Error due to unknown event

**Recommended Action** No action is required.

**Error 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**

**Error Message** EOU-7-EOU\_DISABLED\_INTF: eou disabled on interface [chars]

**Explanation** Eou service disabled on interface

**Recommended Action** No action is required.

**Error Message** EOU-7-EOU\_ENABLED\_INTF: eou enabled on interface [chars]

**Explanation** Eou service enabled on interface

**Recommended Action** No action is required.

## **EPLD\_UPGRADE Messages**

This section contains the EPLD\_UPGRADE messages.

## EPLD\_UPGRADE-2

**Error 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.

**Error 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

**Error 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

**Error 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

**Error 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-2

**Error Message** ETH-PORT-SEC-2-ETH\_PORT\_SEC\_ADDR\_SEEN: MAC address already secured on peer-switch. Please re-configure after VPC comes up, if this interface is supposed to be a VPC PO

**Explanation** Mac already secured on peer

**Recommended Action** No action is required.

**Error Message** ETH-PORT-SEC-2-ETH\_PORT\_SEC\_MISCONFIG: MAC Addresses present exceed the allowed number of MAC addresses on Port [chars]. Fix the inconsistency on this port.

**Explanation** MAC Addresses present exceed the allowed number of MAC addresses.

**Recommended Action** No action is required.

**Error Message** ETH-PORT-SEC-2-ETH\_PORT\_SEC\_REGMAC\_ADD\_FAIL: Unable to add regmac [chars] for <[chars], vlan [dec]> since it is already registered for <[chars], vlan [dec]>

**Explanation** Duplicate regmac detected

**Recommended Action** No action is required.

**Error Message** ETH-PORT-SEC-2-ETH\_PORT\_SEC\_SECURITY\_VIOLATION: Triggered violation [chars] on Port [chars]

**Explanation** Violation action triggered on port due to security violation.

**Recommended Action** No action is required.

### **ETH-PORT-SEC-3**

**Error 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.

**Error Message** ETH-PORT-SEC-3-ETH\_PORT\_SEC\_INVALID\_VLAN: Invalid VLAN configuration

**Explanation** Invalid VLAN configuration

**Recommended Action** No action is required.

**Error Message** ETH-PORT-SEC-3-ETH\_PORT\_SEC\_PKTSENDFAIL: Failed to send packet, - [chars]

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

**Recommended Action** No action is required.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error Message** ETH-PORT-SEC-5-ETH\_PORT\_SEC\_INITFAIL: Eth Port Security Initialization failed: [chars]

**Explanation** Eth Port Security Initialization failed.[chars] explains the reason for the failure.

**Recommended Action** No action is required.

**Error Message** ETH-PORT-SEC-5-ETH\_PORT\_SEC\_MAX\_LIMIT\_EXCEED: Max Addr per port config cannot be accepted as it will violate the System Max limit. [chars]

**Explanation** System wide Max Limit Exceeds

**Recommended Action** No action is required.

**Error Message** ETH-PORT-SEC-5-ETH\_PORT\_SEC\_PORT\_SEC\_ENABLED\_PARTIALLY: Port security enabled partially in configuration on this vpc port, port security is not enabled operationally since peer VPC port doesnt have port security enabled.

**Explanation** Port security enabled partially in configuration

**Recommended Action** No action is required.

## ETHPORT Messages

This section contains the ETHPORT messages.

### ETHPORT-2

**Error 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.

**Error 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 a 'no shutdown' on the interface or removing and re-inserting the fibre optic cable.

**Error Message** ETHPORT-2-IF\_ERROR\_SHUT\_LAN\_NO\_DCX: Shutting lan on interface [chars] that doesn't connect to a DCBX capable adaptor.

**Explanation** Shutting lan on interface that doesn't connect to a DCBX capable adaptor.

**Recommended Action** No action is required.



**Error 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

**Error 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

**Error 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 'no shutdown' on the PortChannel interface that it belongs to

**Error 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.

**Error 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.

**Error Message** ETHPORT-3-IF\_SDP\_TIMEOUT\_SFP\_MISMATCH: SDP timeout, possible incorrect SFP inserted on fabric uplink port on interface [chars].

**Explanation** SDP timeout/SFP Mismatch.

**Recommended Action** No action is required.

**Error 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

**Error 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

**Error Message** ETHPORT-3-IF\_UNSUPPORTED\_TRANSCEIVER: Transceiver on interface [chars] is not supported

**Explanation** The transceiver for the interface specified in the error 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

**Error 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

**Error 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

**Error Message** ETHPORT-4-IF\_40G\_NOT\_ADMIN\_DOWN: 40G member port [chars] is not in ADMIN DOWN state. Speed change is not allowed

**Explanation** Speed change is not allowed. Admin state is not down on 40G member ports

**Recommended Action** Please shut all member ports before speed change

**Error 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

**Error Message** ETHPORT-4-IF\_SFP\_WARNING: Interface [chars], [chars]

**Explanation** There was a warning on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Error Message** ETHPORT-4-IF\_SPEED\_AUTO\_ADVERTISE\_SINGLE\_SPEED: Interface [chars] configured as speed auto but advertising only speed [chars] due to macsec

**Explanation** The interface is configured for multiple speeds, but advertises only single speed due to macsec configuration.

**Recommended Action** No action is required.

**Error Message** ETHPORT-4-IF\_XCVR\_WARNING: Interface [chars], [chars]

**Explanation** There was a warning on the transceiver module

**Recommended Action** Please do show interface transceiver details to obtain more information

**Error Message** ETHPORT-4-INVALID\_MACADDR: Interface [chars] rejected IPv6-embedded mac [chars]  
config

**Explanation** The IPv6 derived mac-address is an invalid one.

**Recommended Action** No action is required.

## ETHPORT-5

**Error Message** ETHPORT-5-IF\_ADMIN\_UP: Interface [chars] is admin up [chars]

**Explanation** Interface is admin up

**Recommended Action** No action is required.

**Error 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.

**Error 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 'no shutdown'

**Error 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.

**Error 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 'no shutdown' on the PortChannel interface that it belongs to

**Error 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

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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

**Error 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

**Error 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

**Error 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

**Error 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

**Error 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

**Error 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

**Error Message** ETHPORT-5-IF\_DOWN\_HW\_FAILURE: Interface [chars] is down (Hardware Failure)

**Explanation** The module's hardware has failed

**Recommended Action** Collect more information about failed module using command 'show module internal all module'

**Error Message** ETHPORT-5-IF\_DOWN\_INACTIVE: Interface [chars] is down (Inactive)

**Explanation** The port VSAN has been suspended or deleted

**Recommended Action** Assign a new active port VSAN to the interface

**Error 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

**Error Message** ETHPORT-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_RXBBREDIT: Interface [chars] is down (Error disabled - Incompatible admin port rxbbcredit)

**Explanation** The configured receive B2B credit size is not supported

**Recommended Action** Get the allowed receive B2B credit size from 'show port internal info'

**Error 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'

**Error 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

**Error 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

**Error Message** ETHPORT-5-IF\_DOWN\_INTERFACE\_REMOVED: Interface [chars] is down (Interface removed)

**Explanation** Interface removed

**Recommended Action** No action is required.

**Error 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

**Error 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

**Error 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

**Error 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.

**Error 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

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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

**Error 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

**Error 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's members

**Error 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 'no shutdown'

**Error 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.

**Error 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.

**Error 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

**Error 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.

**Error 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

**Error 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 PortChannel

**Error 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 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 PortChannel

**Error 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

**Error 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 'no shutdown'. If this happens again obtain output of 'show port internal info/event-history' on the interface

**Error 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:traceroute ipaddr

**Error 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:traceroute ipaddr

**Error 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:traceroute ipaddr

**Error 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.

**Error 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.

**Error 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

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error Message** ETHPORT-5-IF\_PEER\_LINK\_DELAY\_TIMER\_OFF: The delay timer for peer-link [chars] has been turned off

**Explanation** The bringup delay timer for the peer-link has been turned off as a result of which the peer-link bringup will be resumed

**Recommended Action** No action is required.

**Error Message** ETHPORT-5-IF\_PEER\_LINK\_DELAY\_TIMER\_ON: The delay timer for peer-link [chars] has been turned on

**Explanation** The bringup delay timer for the peer-link is on as a result of which the peer-link bringup will be delayed with the delay indicated by the configured value of the timer. Execute \show vpc\ to find out how much time is remaining

**Recommended Action** No action is required.

**Error 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.

**Error 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

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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

**Error 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.

**Error Message** ETHPORT-5-SYSTEM\_INTERFACE\_SHUTDOWN: The physical interfaces are being brought down as VDC going into maintenance mode

**Explanation** The physical interfaces are being brought down as VDC going into maintenance mode

**Recommended Action** No action is required.

## ETH\_PORT\_CHANNEL Messages

This section contains the ETH\_PORT\_CHANNEL messages.

### ETH\_PORT\_CHANNEL-1

**Error Message** ETH\_PORT\_CHANNEL-1-LC\_CFG\_FAILURE: configuring module [dec] failed [[chars]]

**Explanation** Module configuration failed

**Recommended Action** Module will be automatically reset

**Error Message** ETH\_PORT\_CHANNEL-1-MALLOC\_FAILED: cannot allocate memory (size [dec])

**Explanation** No enough memory

**Recommended Action** No action is required.

**Error 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

**Error 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

**Error 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**

**Error 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

**Error Message** ETH\_PORT\_CHANNEL-3-ALL\_DROP\_TIMEOUT: Some component(s) (sap:[chars]) timed out on dropping notif:[chars] (for:[chars]); collect

**Explanation** Some component did not respond to a request in stipulated time.

**Recommended Action** None

**Error Message** ETH\_PORT\_CHANNEL-3-CLEAR\_PORT\_CLIENT\_STATS\_FAILURE: [chars]

**Explanation** Failed to clear stats for port [chars] err: [hex] ([chars])

**Recommended Action** None

**Error 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

**Error Message** ETH\_PORT\_CHANNEL-3-GENERAL\_ERROR: [chars]

**Explanation** General error

**Recommended Action** No action is required.

**Error Message** ETH\_PORT\_CHANNEL-3-MINLINK\_REQ\_NOT\_MET\_DUE\_TO\_BFD\_CHANNEL\_REINIT: [chars] does not meet min-link requirement based on BFD state. Reinit port-channel

**Explanation** Port-channel does not meet min-link requirement based on BFD state

**Recommended Action** None

**Error 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.

**Error Message** ETH\_PORT\_CHANNEL-3-NUM\_ACTIVE\_PORTS\_ERROR: Port-channel:[chars] active\_nports [dec]; No member is active; Please collect

**Explanation** Port-channel num active ports error

**Recommended Action** None

**Error Message** ETH\_PORT\_CHANNEL-3-PCM\_HWCFG\_FAIL\_ERROR: Port-channel:[chars] mbr:[chars] SAP [dec] returned error [chars] for opc [chars]; please collect

**Explanation** Port-channel hwcfg fail error

**Recommended Action** None

**Error Message** ETH\_PORT\_CHANNEL-3-PCM\_INTERNAL\_ERROR: Port-channel:[chars] mbr:[chars]; collect

**Explanation** Port-channel internal error

**Recommended Action** None

**Error Message** ETH\_PORT\_CHANNEL-3-PCM\_PORT\_DEL\_IN\_PC\_UP\_ERROR: Port-channel:[chars] mbr:[chars]; please collect

**Explanation** Port-channel port del in pc\_up. Shut resp recvd before bundle member down

**Recommended Action** None

**Error Message** ETH\_PORT\_CHANNEL-3-PCM\_PORT\_DOWN\_IN\_PC\_UP\_ERROR: Port-channel:[chars] mbr:[chars]; please collect

**Explanation** Port-channel port down in pc\_up. No bundle member down

**Recommended Action** None

**Error Message** ETH\_PORT\_CHANNEL-3-PEER\_COLLECT\_ENABLE\_NOT\_RCVD: LACP neighbor for [chars] may not have enabled collect bit in LACP PDU in stipulated time.

**Explanation** LACP peer may not have enabled collect bit in LACP PDU in stipulated time.

**Recommended Action** None

**Error 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.

**Error 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

**Error 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

**Error Message** ETH\_PORT\_CHANNEL-3-SHADOW\_MBR\_CHANGE\_FAILURE: [chars]

**Explanation** Some service failed shadow member change to port-channel

**Recommended Action** None

**Error Message** ETH\_PORT\_CHANNEL-3-SHADOW\_PC\_CREATE\_FAILURE: [chars]

**Explanation** Some service failed shadow port-channel create

**Recommended Action** None

**Error Message** ETH\_PORT\_CHANNEL-3-SHADOW\_PC\_DELETE\_FAILURE: [chars]

**Explanation** Some service failed shadow port-channel delete

**Recommended Action** None

**Error 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

## **ETH\_PORT\_CHANNEL-4**

**Error 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.

**Error Message** ETH\_PORT\_CHANNEL-4-PORT\_CHANNEL\_RANGE: The total number of port channels configured in the range exceeds maximum: [dec].

**Explanation** The total number of port channels configured in the range exceeds maximum

**Recommended Action** No action is required.

**Error Message** ETH\_PORT\_CHANNEL-4-PORT\_CHANNEL\_RESTORE: The total number of port channels restored: [dec] exceeds maximum: [dec]. This may corrupt TCAM entries. Please reduce port channel number to no greater than maximum.

**Explanation** The total number of port channels restored exceeds maximum

**Recommended Action** No action is required.

**Error 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

**Error 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.

**Error Message** ETH\_PORT\_CHANNEL-4-RACE\_WARN: [chars]

**Explanation** Warning of possible race condition

**Recommended Action** No action is required.

**Error 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

**Error Message** ETH\_PORT\_CHANNEL-5-AUTO\_CREATE\_FAILURE: [chars] [chars]

**Explanation** Auto create process on the port failed

**Recommended Action** No action is required.

**Error Message** ETH\_PORT\_CHANNEL-5-CREATED: [chars] created

**Explanation** A port-channel is created

**Recommended Action** No action is required.

**Error Message** ETH\_PORT\_CHANNEL-5-DELETED: [chars] deleted

**Explanation** A port-channel is deleted

**Recommended Action** No action is required.

**Error 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.

**Error 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

**Error 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

**Error Message** ETH\_PORT\_CHANNEL-5-MAX\_CHANNEL\_DISALLOWED: Module failed to come online because port channel interface greater than [dec] is present

**Explanation** The port-channel number configured on the switch is larger than 128

**Recommended Action** Delete the set of port channel interface which is greater than 128

**Error 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.

**Error Message** ETH\_PORT\_CHANNEL-5-PORT\_CHANNEL\_DELAYED\_LACP: [chars]: port-channel is up with member [chars] in delayed-lacp mode

**Explanation** Port-channel is up in delayed-lacp mode

**Recommended Action** No action is required.

**Error Message** ETH\_PORT\_CHANNEL-5-PORT\_CHANNEL\_LACP\_MODE: [chars]: [chars]

**Explanation** Port-channel is coming up in lacp mode

**Recommended Action** No action is required.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error Message** ETH\_PORT\_CHANNEL-5-PORT\_WAIT\_BFD: [chars] waiting for BFD session to get established

**Explanation** Port waiting for BFD session establishment

**Recommended Action** None

**Error Message** ETH\_PORT\_CHANNEL-5-SUBGROUP\_ID\_CHANGE: Interface [chars] in port-channel[dec] subgroup-id changed from [dec] to [dec]

**Explanation** The port's subgroup-id got changed

**Recommended Action** No action is required.

## **ETH\_PORT\_CHANNEL-6**

**Error 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**

**Error Message** ETH\_PORT\_CHANNEL-7-GSYNC\_DONE: global synchronization is done

**Explanation** Port-channel manager finished global synchronization

**Recommended Action** No action is required.

**Error 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.

**Error 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.

**Error 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.

**Error 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.

**Error Message** ETH\_PORT\_CHANNEL-7-START\_STATEFUL: started statefully

**Explanation** Port-channel manager started with running configuration

**Recommended Action** No action is required.

**Error Message** ETH\_PORT\_CHANNEL-7-START\_STATELESS: started statelessly

**Explanation** Port-channel manager started with startup configuration

**Recommended Action** No action is required.

## EVMC Messages

This section contains the EVMC messages.

### EVMC-3

**Error 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

**Error 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

**Error 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.

**Error 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.

**Error 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.

## EVMS Messages

This section contains the EVMS messages.

### EVMS-2

**Error Message** EVMS-2-EVMS\_PSS\_DELETE\_FAILURE: Delete from PSS failed

**Explanation** Delete from PSS failed

**Recommended Action** No action is required.

**Error Message** EVMS-2-EVMS\_PSS\_WRITE\_FAILURE: Write to PSS failed

**Explanation** Write to PSS failed

**Recommended Action** No action is required.

**Error 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

**Error 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

**Error 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.

## EXCEPTIONLOG Messages

This section contains the EXCEPTIONLOG messages.

### EXCEPTIONLOG-SLOT#-2

**Error 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.

## FC-TUNNEL Messages

This section contains the FC-TUNNEL messages.

### FC-TUNNEL-3

**Error Message** FC-TUNNEL-3-INTERNAL\_ERROR: Internal error: [chars]

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

**Recommended Action** No action is required.

**Error Message** FC-TUNNEL-3-IPFC\_ERROR: IPFC API, [chars], failed with error [hex]

**Explanation** FCMPPLS tunnel invoked IPFC API and received the error code. [chars] describes the API and 0x[hex] specifies the error

**Recommended Action** No action is required.

**Error Message** FC-TUNNEL-3-MTS\_ERROR: MTS message transmission failed with error [dec]

**Explanation** FCMPPLS tunnel process unsuccessfully tried to send a MTS message. MTS error number is specified in [dec]

**Recommended Action** No action is required.

**Error Message** FC-TUNNEL-3-NS\_ERROR: FCNS API, [chars], failed with error [hex]

**Explanation** FCMPPLS tunnel invoked FCNS API and received the error code. [chars] describes the API and 0x[hex] specifies the error

**Recommended Action** No action is required.

**Error Message** FC-TUNNEL-3-PM\_ERROR: Port Manager API, [chars], failed with error [hex]

**Explanation** FCMPPLS tunnel invoked Port Manager API and received the error code. [chars] describes the API and 0x[hex] specifies the error

**Recommended Action** No action is required.

**Error Message** FC-TUNNEL-3-PSS\_CFG\_RESTORE\_ERROR: Configuration restoration for [chars] failed with error [hex]

**Explanation** FCMPLS tunnel read the saved configuration and encountered an error while rebuilding the runtime configuration. [chars] describes the configuration which the process tried to restore and 0x[hex] is the system error code

**Recommended Action** No action is required.

**Error Message** FC-TUNNEL-3-PSS\_ERROR: PSS operation [chars] returned error: [hex]

**Explanation** [chars] specifies the context where the failure occurred and 0x[hex] specifies the error

**Recommended Action** No action is required.

**Error Message** FC-TUNNEL-3-PSS\_RTDB\_RESTORE\_ERROR: Runtime database restoration for [chars] failed with error [hex]

**Explanation** FCMPLS tunnel read the saved runtime database and encountered an error while rebuilding the runtime database. [chars] describes the runtime database which the process tried to restore and 0x[hex] is the system error code

**Recommended Action** No action is required.

**Error Message** FC-TUNNEL-3-RIB\_ERROR: RIB API, [chars], failed with error [hex]

**Explanation** FCMPLS tunnel invoked RIB API and received the error code. [chars] describes the API and 0x[hex] specifies the error

**Recommended Action** No action is required.

**Error Message** FC-TUNNEL-3-RSVP\_PROTO\_ERROR: RSVP protocol error: [chars]

**Explanation** RSVP-TE protocol error is encountered. [chars] describes the error and its context.

**Recommended Action** No action is required.

**Error Message** FC-TUNNEL-3-UNEXPECTED\_MTS\_MSG: Unexpected MTS message, opcode [dec], is received

**Explanation** FCMPLS tunnel process received unexpected MTS event. MTS opcode is specified in [dec]

**Recommended Action** No action is required.

## FC-TUNNEL-5

**Error Message** FC-TUNNEL-5-MSG\_INTERFACE\_DOWN: Interface [chars] is down

**Explanation** The logical fc tunnel interface is down. This may be due to a reconfiguration on the fc tunnel, or issues on the underlying physical interface

**Recommended Action** If this is not due to a known reconfiguration, you should verify connectivity at the physical port level, and then on then on the fc tunnel interface. Furthermore, verify the physical ports along the fc tunnel path operate in the TE mode

**Error Message** FC-TUNNEL-5-MSG\_INTERFACE\_UP: Interface [chars] is up

**Explanation** The fc interface is up

**Recommended Action** No action is required.

## FEATURE-MGR Messages

This section contains the FEATURE-MGR messages.

### FEATURE-MGR-2

**Error Message** FEATURE-MGR-2-FM\_AUTOCKPT\_FAILED: AutoCheckpoint [chars] failed to be created for reason: [chars] ([hex])

**Explanation** AutoCheckpoint with the given name has been created successfully

**Recommended Action** No action is required.

**Error Message** FEATURE-MGR-2-FM\_FEATURE\_LICENSE\_ERROR: license [chars] checkout failure for [chars], error [hex] ([chars])

**Explanation** License operation was not successful, check license validity for the feature

**Recommended Action** Please contact FM team

**Error Message** FEATURE-MGR-2-FM\_FEATURE\_OP\_GENERIC\_ERROR: Service [chars] with uuid [dec] ([hex]) encountered error:[hex]([chars]).Disable dependent features or contact service owner for details.

**Explanation** Operation was not successful

**Recommended Action** Please contact FM/sysmgr team

**Error Message** FEATURE-MGR-2-FM\_FEATURE\_OP\_TIMEOUT\_ERROR: feature [chars] operation failed on response timeout from service: [chars] with uuid ([hex])

**Explanation** The error seen at FM and service communication

**Recommended Action** Please contact service owner with given uuid and FM team

**Error Message** FEATURE-MGR-2-FM\_FSET\_ADD\_CONFCHECK\_ERROR: failed to add confcheck [hex] ([chars]) at installing feature-set [chars]

**Explanation** Failed to add confcheck at enabling feature-set

**Recommended Action** Please contact FM/sysmgr team

**Error Message** FEATURE-MGR-2-FM\_FSET\_CFG\_ALLOW\_ERROR: Potential vdc\_mgr issue: the allow request failed [hex] ([chars])

**Explanation** Vdc\_mgr failed to response the allow request

**Recommended Action** Please contact FM/vdc\_mgr team

**Error Message** FEATURE-MGR-2-FM\_FSET\_CKPT\_ERROR: Checkpoint issue: failed on checkpoint with error [hex] ([chars]) at feature-set [chars]

**Explanation** Checkpoint did not response

**Recommended Action** Please contact FM/vdc\_mgr and rollback team

**Error Message** FEATURE-MGR-2-FM\_FSET\_DISABLE\_ERROR: Potential sysmgr issue: disable feature-set [chars] on sup failed with error [hex] ([chars])

**Explanation** Some issues while disabling feature-set

**Recommended Action** Please contact FM/sysmgr team

**Error Message** FEATURE-MGR-2-FM\_FSET\_DISABLE\_FEATURES\_ERROR: features failed to disable at feature-set [chars] with error [hex] ([chars])

**Explanation** Failed to disable feature at disabling feature-set

**Recommended Action** Please contact FM/sysmgr team

**Error Message** FEATURE-MGR-2-FM\_FSET\_DISABLE\_FEATURES\_TIMEOUT: Potential [chars] issue: feature [chars] did not complete its disabling

**Explanation** Failed to disable feature at disabling feature-set

**Recommended Action** Please contact FM/sysmgr team and the feature owner

**Error Message** FEATURE-MGR-2-FM\_FSET\_INSTALL\_ERROR: install feature-set [chars] returns error 0X[hex] ([chars])

**Explanation** Some issues during install feature-set

**Recommended Action** Please contact FM/sysmgr team

**Error Message** FEATURE-MGR-2-FM\_FSET\_LCS\_DISABLE\_ERROR: Potential sysmgr issue: disable feature-set [chars] failed on module [dec] with error [hex] ([chars])

**Explanation** Some issues on the lc while disabling feature-set

**Recommended Action** Please contact FM/sysmgr team

**Error Message** FEATURE-MGR-2-FM\_FSET\_LCS\_ENABLE\_ERROR: enabling feature-set [chars] on module [dec] returns error 0X[hex] ([chars])

**Explanation** Some issue on the lc while enabling feature-set

**Recommended Action** Please contact FM/sysmgr team

**Error Message** FEATURE-MGR-2-FM\_FSET\_PRESEQ\_REJECT: It rejects pre-sequence due to a service with sap [dec]: [chars]

**Explanation** The message seen when an application rejects feature-set disable request

**Recommended Action** Please contact FM/sysmgr team

**Error Message** FEATURE-MGR-2-FM\_FSET\_SUP\_ENABLE\_ERROR: enabling feature-set [chars] on sup returns error 0X[hex] ([chars])

**Explanation** Some issues during enabling feature-set



**Recommended Action** Please contact FM/sysmgr team

**Error Message** FEATURE-MGR-2-FM\_FSET\_UNGRACEFUL\_DISABLE\_ERROR: Potential sysmgr issue: ungraceful disable feature-set [chars] failed with error [hex] ([chars])

**Explanation** Some issues while ungraceful disable feature-set

**Recommended Action** Please contact FM/sysmgr team

**Error Message** FEATURE-MGR-2-FM\_FSET\_UNGRACEFUL\_UNINSTALL\_ERROR: Potential sysmgr issue: ungraceful uninstall feature-set [chars] failed with error [hex] ([chars])

**Explanation** Some issues while ungraceful uninstall feature-set

**Recommended Action** Please contact FM/sysmgr team

**Error Message** FEATURE-MGR-2-FM\_FSET\_UNINSTALL\_ERROR: Potential sysmgr issue: uninstall feature-set [chars] failed with error [hex] ([chars])

**Explanation** Some issues while uninstall feature-set

**Recommended Action** Please contact FM/sysmgr team

**Error Message** FEATURE-MGR-2-FM\_MPLS\_NVE\_DEPENDENCY: Feature MPLS Static and NV Overlay can't be configured together

**Explanation** Feature MPLS Static and NV Overlay can't be configured together

**Recommended Action** No action is required.

**Error Message** FEATURE-MGR-2-FM\_MPLS\_SR\_VPC\_DEPENDENCY: Feature MPLS SEGMENT ROUTING and VPC can't be configured together

**Explanation** Feature MPLS SEGMENT ROUTING and VPC can't be configured together

**Recommended Action** No action is required.

**Error Message** FEATURE-MGR-2-FM\_MPLS\_VPC\_DEPENDENCY: Feature MPLS Static and VPC can't be configured together

**Explanation** Feature MPLS Static and VPC can't be configured together

**Recommended Action** No action is required.

**Error Message** FEATURE-MGR-2-MODULE\_FM\_DONE: feature manager completed

**Explanation** Feature manager completed

**Recommended Action** No action is required.

**Error Message** FEATURE-MGR-2-MODULE\_FM\_STARTED: feature manager started

**Explanation** Feature manager started

**Recommended Action** No action is required.

## FEATURE-MGR-3

**Error Message** FEATURE-MGR-3-FM\_FSET\_INSTALL\_CONFLICT\_ERROR: feature-set [chars] cannot be installed; feature-set [chars] is in installed/enabled state; uninstall this feature-set and try

**Explanation** Conflict feature set is in installed/enabled state

**Recommended Action** No action is required.

## FEATURE-MGR-6

**Error Message** FEATURE-MGR-6-FM\_AUTOCKPT\_IN\_PROGRESS: AutoCheckpoint [chars]'s creation in progress...

**Explanation** AutoCheckpoint creation has been requested and it should be in progress

**Recommended Action** No action is required.

**Error Message** FEATURE-MGR-6-FM\_AUTOCKPT\_SUCCEEDED: AutoCheckpoint [chars] created successfully

**Explanation** AutoCheckpoint with the given name has been created successfully

**Recommended Action** No action is required.

**Error Message** FEATURE-MGR-6-FM\_FCOE\_AUTOINSTALL\_ON\_NOT\_ISOLA: auto-install feature-set fcoe on non-isola

**Explanation** Auto-install feature-set fcoe could be done on isola only

**Recommended Action** Please contact FM team

**Error Message** FEATURE-MGR-6-FM\_FSET\_ENABLED\_AT\_UNINSTALL: Uninstall aborted because feature set is still enabled in vdc [dec]

**Explanation** Feature set is in enabled state

**Recommended Action** No action is required.

**Error Message** FEATURE-MGR-6-FM\_FSET\_VMM\_OP\_ERROR: [chars]

**Explanation** The error seen at FM and VMM interaction

**Recommended Action** Please contact FM/VMM team

## FS-DAEMON Messages

This section contains the FS-DAEMON messages.

### FS-DAEMON-2

**Error Message** FS-DAEMON-2-FSD\_ENOSPC\_BOOTFLASH: Due to insufficient space, [chars] image could not be copied to standby bootflash. [chars] image is not present on standby. Please copy \'[chars]\' manually.

**Explanation** Move system images from RAM to bootflash to free up some memory

**Recommended Action** Please remove some unnecessary files on bootflash using `'delete'` CLI command and copy images from active supervisor or from remote location

## FS-DAEMON-6

**Error Message** FS-DAEMON-6-FSD\_ENOSPC\_LOGFLASH: System logflash usage has reached [dec]%. You may delete some old files on logflash to free up space

**Explanation** System logflash space is almost full

**Recommended Action** Use `'clear core archived'` or `'delete'` CLI to free up space on logflash

**Error Message** FS-DAEMON-6-FSD\_ENOSPC\_ROOT: System root usage has reached [dec]%. You may delete some old files from root or `/var/log` to free up space

**Explanation** System root space is almost full

**Recommended Action** Use `'clear core archived'` or `'delete'` CLI to free up space on root dir or `/var/log`

**Error Message** FS-DAEMON-6-FSD\_ENOSPC\_TMP: System temporary directory usage has reached [dec]%.

**Explanation** System `/tmp` space usage.

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

**Error Message** FS-DAEMON-6-FSD\_REEXPORT\_NFS: Re-exported NFS mounts

**Explanation** Exported NFS mounts are not visible in kernel and had to be reexported

**Recommended Action** Please use `'show system internal flash'` to make sure there are no Stale NFS handles

## FSCM Messages

This section contains the FSCM messages.

### FSCM-2

**Error Message** FSCM-2-FABRIC\_START\_CFG\_MGR\_PROGRAM\_EXIT: Fabric Start Cfg Mgr daemon exiting: [chars]

**Explanation** FABRIC\_START\_CFG\_MGR daemon is exiting.

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

## GLBP Messages

This section contains the GLBP messages.

## GLBP-2

**Error Message** GLBP-2-GLBP\_URIB\_INIT\_ERROR: [chars]

**Explanation** Unicast routing initialization failed and the GLBP process terminated

**Recommended Action** Please check syslog messages for URIB failures and rectify the problem

## GLBP-3

**Error Message** GLBP-3-GLBP\_ARP\_ADD\_FAILED: Interface [chars] grp [dec]: failed to add [chars]/[chars] in arp table

**Explanation** The system was unable to add the GLBP vIP into the arp table

**Recommended Action** Please check syslog messages for ARP failures and rectify the problem

**Error Message** GLBP-3-GLBP\_ARP\_DEL\_FAILED: Interface [chars] grp [dec]: failed to delete [chars]/[chars] in arp table

**Explanation** The system was unable to delete the GLBP vIP from the arp table

**Recommended Action** Please check syslog messages for ARP failures and rectify the problem

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

**Explanation** There was a problem in GLBP interaction with feature manager.

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

**Error Message** GLBP-3-GLBP\_IP\_JOIN\_GROUP\_FAILED: [chars]: failed to join glbp multicast address group

**Explanation** The system was unable to perform a join to start receiving GLBP protocol packets.

**Recommended Action** Please check syslog messages for IP failures and rectify the problem

**Error Message** GLBP-3-GLBP\_IP\_LEAVE\_GROUP\_FAILED: [chars]: failed to leave glbp multicast address group

**Explanation** The system was unable to perform a leave to stop receiving GLBP protocol packets.

**Recommended Action** Please check syslog messages for IP failures and rectify the problem

**Error Message** GLBP-3-GLBP\_MAC\_ADD\_FAILED: Interface [chars] grp [dec]: fwd [dec] failed to add [chars] in mac table (error [hex])

**Explanation** The system was unable to add the GLBP mac address into the mac address table

**Recommended Action** Please check syslog messages for L2FM failures and rectify the problem

**Error Message** GLBP-3-GLBP\_MAC\_DEL\_FAILED: Interface [chars] grp [dec]: fwd [dec] failed to delete [chars] in mac table (error [hex])

**Explanation** The system was unable to delete the GLBP mac address from the mac address table

**Recommended Action** Please check syslog messages for L2FM failures and rectify the problem

**Error Message** GLBP-3-GLBP\_ROUTE\_ADD\_FAILED: Interface [chars] grp [dec]: failed to add [chars] in routing table

**Explanation** The system was unable to add the GLBP vIP address into the unicast routing table

**Recommended Action** Please check syslog messages for URIB failures and rectify the problem

**Error Message** GLBP-3-GLBP\_ROUTE\_DEL\_FAILED: Interface [chars] grp [dec]: failed to delete [chars] in routing table

**Explanation** The system was unable to delete the GLBP vIP address from the unicast routing table

**Recommended Action** Please check syslog messages for URIB failures and rectify the problem

## GLBP-4

**Error Message** GLBP-4-BADAUTH: Interface [chars] grp [dec]: Bad authentication received from [chars]

**Explanation** Two routers participating in a Gateway Load Balancing Protocol group have a valid authentication string that does not match.

**Recommended Action** Use the glbp authentication interface command to repair the Gateway Load Balancing Protocol authentication discrepancy between the local system and the one whose IP address is reported

**Error Message** GLBP-4-BADVIP1: Interface [chars] grp [dec]: address [chars] is in the wrong subnet for this interface

**Explanation** The Gateway Load Balancing Protocol virtual IP address is not within the subnet configured on this interface.

**Recommended Action** Configure the virtual IP address of Gateway Load Balancing Protocol to be within the subnet configured on this interface.

**Error Message** GLBP-4-BADVIP2: Interface [chars] grp [dec]: address [chars] in the wrong subnet for this interface is not learned

**Explanation** The Gateway Load Balancing Protocol virtual IP address contained in the hello message cannot be learned. It is not within the subnet configured on this interface.

**Recommended Action** Check the configuration on all Gateway Load Balancing Protocol routers.

**Error Message** GLBP-4-BADVIP3: Interface [chars] grp [dec]: address [chars] is the broadcast address for this interface

**Explanation** The Gateway Load Balancing Protocol virtual IP address is a broadcast address for this interface.

**Recommended Action** Configure the virtual IP address of Gateway Load Balancing Protocol to be a non broadcast address.

**Error Message** GLBP-4-DIFFVIP1: Interface [chars] grp [dec]: active router virtual IP address [chars] is different from the locally configured virtual IP address [chars]

**Explanation** The Gateway Load Balancing Protocol virtual IP address contained in the Hello message from the Active router is different to that configured locally.

**Recommended Action** Check the configuration on all Gateway Load Balancing Protocol routers

**Error Message** GLBP-4-DUPADDR: Interface [chars] grp [dec]: Duplicate address on [chars]

**Explanation** The IP address in a Gateway Load Balancing Protocol message received on the interface is the same as the IP address of its own router. This condition may be caused by a misconfiguration or because of a malfunctioning switch.

**Recommended Action** Check the configurations on all the Gateway Load Balancing Protocol routers, and ensure that any switches are functioning properly

**Error Message** GLBP-4-DUPVIP1: Interface [chars] grp [dec]: address [chars] already assigned to interface [chars] grp [dec]

**Explanation** The Gateway Load Balancing Protocol virtual IP address contained in the hello message cannot be learned. It is already assigned to a different Gateway Load Balancing Protocol group.

**Recommended Action** Check the configuration on all Gateway Load Balancing Protocol routers

**Error Message** GLBP-4-DUPVIP2: Interface [chars] grp [dec]: address [chars] already assigned to this interface

**Explanation** The Gateway Load Balancing Protocol virtual IP address contained in the hello message cannot be learned. It is already assigned to this interface.

**Recommended Action** Check the configuration on all Gateway Load Balancing Protocol routers.

**Error Message** GLBP-4-DUPVIP3: Interface [chars] grp [dec]: address [chars] already assigned to another interface [chars]

**Explanation** The Gateway Load Balancing Protocol virtual IP address contained in the hello message cannot be learned. It is already assigned to, or overlaps with, an address on another interface or application.

**Recommended Action** Check the configuration on all Gateway Load Balancing Protocol routers.

**Error Message** GLBP-4-GLBP\_ARP\_RESP\_FAILED: Interface [chars] grp [dec]: failed to send arp response [chars]/[chars]

**Explanation** The system was unable to send the arp response for vIP

**Recommended Action** Please check syslog messages for ARP failures and rectify the problem

## GLBP-5

**Error Message** GLBP-5-ACTIVE\_CHANGE: Interface [chars] grp [dec]: Active gateway is [chars]

**Explanation** The Gateway Load Balancing Protocol has changed active gateway.

**Recommended Action** No action is required

**Error Message** GLBP-5-FWDSTATECHANGE: Interface [chars] grp [dec]: fwd [dec] state changed from

[chars] to [chars]

**Explanation** The Gateway Load Balancing Protocol forwarder has changed state.

**Recommended Action** No action is required

**Error Message** GLBP-5-FWD\_CREATE: Interface [chars] grp [dec]: fwd [dec] created

**Explanation** The Gateway Load Balancing Protocol forwarder has been created.

**Recommended Action** No action is required

**Error Message** GLBP-5-FWD\_DELETE: Interface [chars] grp [dec]: fwd [dec] deleted

**Explanation** The Gateway Load Balancing Protocol forwarder has been removed.

**Recommended Action** No action is required

**Error Message** GLBP-5-FWD\_OWNER: Interface [chars] grp [dec]: fwd [dec] owner mac is [chars]

**Explanation** The Gateway Load Balancing Protocol forwarder has changed the owner MAC address.

**Recommended Action** No action is required

**Error Message** GLBP-5-FWD\_VMAC: Interface [chars] grp [dec]: fwd [dec] virtual mac is [chars]

**Explanation** The Gateway Load Balancing Protocol forwarder has changed the virtual MAC address.

**Recommended Action** No action is required

**Error Message** GLBP-5-FWD\_WEIGHTING: Interface [chars] grp [dec]: fwd [dec] weighting is [dec]

**Explanation** The Gateway Load Balancing Protocol forwarder has changed the weighting.

**Recommended Action** No action is required

**Error Message** GLBP-5-GRPSTATECHANGE: Interface [chars] grp [dec]: state changed from [chars] to [chars]

**Explanation** The Gateway Load Balancing Protocol gateway has changed state.

**Recommended Action** No action is required

**Error Message** GLBP-5-MEMBER\_ADD: Interface [chars] grp [dec]: member [chars] [chars] added

**Explanation** The Gateway Load Balancing Protocol gateway has added a member.

**Recommended Action** No action is required

**Error Message** GLBP-5-MEMBER\_REMOVE: Interface [chars] grp [dec]: member [chars] [chars] removed

**Explanation** The Gateway Load Balancing Protocol gateway has removed a member.

**Recommended Action** No action is required

**Error Message** GLBP-5-PRIORITY: Interface [chars] grp [dec]: [chars] gateway priority changed to [dec]

**Explanation** The Gateway Load Balancing Protocol gateway has changed priority.

**Recommended Action** No action is required

**Error Message** GLBP-5-STANDBY\_CHANGE: Interface [chars] grp [dec]: Standby gateway is [chars]

**Explanation** The Gateway Load Balancing Protocol has changed standby gateway.

**Recommended Action** No action is required

**Error Message** GLBP-5-TIMER: Interface [chars] grp [dec]: [chars] timer changed to [chars]

**Explanation** The Gateway Load Balancing Protocol gateway has learnt timers.

**Recommended Action** No action is required

**Error Message** GLBP-5-VIPLEARN: Interface [chars] grp [dec]: learnt virtual ip address [chars]

**Explanation** The Gateway Load Balancing Protocol gateway has learnt virtual IP address.

**Recommended Action** No action is required

**Error Message** GLBP-5-VIPUNLEARN: Interface [chars] grp [dec]: unlearnt virtual ip address [chars]

**Explanation** The Gateway Load Balancing Protocol gateway has unlearnt virtual IP address.

**Recommended Action** No action is required

**Error Message** GLBP-5-WEIGHTING: Interface [chars] grp [dec]: weighting changed to [dec]

**Explanation** The Gateway Load Balancing Protocol gateway has changed the weighting.

**Recommended Action** No action is required

## HSRP\_ENGINE Messages

This section contains the HSRP\_ENGINE messages.

### HSRP\_ENGINE-2

**Error Message** HSRP\_ENGINE-2-VRF\_SHUTDOWN: VRF [chars] has been shut down however HSRP interfaces have VRF [chars] membership. HSRP Groups will fail to apply the configuration on subsequent ascii reload with VRF [chars] in shutdown state.

**Explanation** The VRF has been shut down, and HSRP groups are present in that vrf. Upon reloading the device and applying ascii config, the configuration will not be applied. For the configuration to go through, VRF needs to be moved out of shutdown state or User removes the VRF membership for the HSRP interface . Also any subsequent addition or modification to the HSRP configuration under the shutdown vrf will fail. This is not applicable for the other forms of reloads or system switchover.

**Recommended Action** User need to removes the VRF membership of the shutdown vrf from the HSRP interfaces before reloading the device. Otherwise after reload the HSRP configuration will perform the retry after reload.



## HSRP\_ENGINE-3

**Error Message** HSRP\_ENGINE-3-BFD\_GLOBAL\_SESSION\_REMOVAL\_ERROR: Failed to remove all the HSRP-BFD sessions([hex] [hex]), Refer logs

**Explanation** Refer logs for more details

**Recommended Action** No action is required.

**Error Message** HSRP\_ENGINE-3-BFD\_IF\_SESSION\_REMOVAL\_ERROR: Failed to remove few HSRP-BFD sessions([hex] [hex]), Refer logs

**Explanation** Refer logs for more details.

**Recommended Action** No action is required.

**Error Message** HSRP\_ENGINE-3-BFD\_SESSION\_ADD\_ERROR: Failed to add few HSRP-BFD sessions([hex] [hex]), Refer logs

**Explanation** TRefer logs for more details.

**Recommended Action** No action is required.

**Error Message** HSRP\_ENGINE-3-BFD\_SESSION\_CREATION\_ERROR: Failed to create BFD session information([hex] [hex]), Refer logs

**Explanation** Refer logs for more details.

**Recommended Action** No action is required.

**Error Message** HSRP\_ENGINE-3-BFD\_SESSION\_REMOVAL\_ERROR: Failed to remove few HSRP-BFD sessions([hex] [hex]), Refer logs

**Explanation** Refer logs for more details.

**Recommended Action** No action is required.

**Error Message** HSRP\_ENGINE-3-BUNDLE\_ASID\_REG\_FAIL: Switch-id:[dec] DRAP registration failed for bundle:[dec].

**Explanation** DRAP registration failure

**Recommended Action** No action is required.

**Error Message** HSRP\_ENGINE-3-BUNDLE\_LPSS\_FAIL: LPSS [chars] for bundle:[dec] failed.

**Explanation** Libanycast ADD/DEL is failing

**Recommended Action** No action is required.

**Error Message** HSRP\_ENGINE-3-BUNDLE\_VLAN\_DOWN: Vlan [dec] DOWN for Bundle [dec], Traffic for group [dec] will be lost on this node.

**Explanation** If any of the Vlan for the bundle goes down, then bundle remains UP until the last Vlan of the bundle also goes down, this results into traffic loss for Vlans which are down but bundle is UP.

**Recommended Action** User can shut the bundle on this node, so that all traffic coming to this node can be switched to other anycast nodes

**Error Message** HSRP\_ENGINE-3-ERROR\_IN\_ADD\_VIP\_TO\_U6RIB: Failed to Add VIP [chars] to U6RIB (errno [hex]), Refer logs

**Explanation** Refer logs for more details.

**Recommended Action** No action is required.

**Error Message** HSRP\_ENGINE-3-ERROR\_IN\_DEL\_VIP\_FROM\_U6RIB: Failed to delete VIP [chars] from U6RIB (errno [hex]), Refer logs

**Explanation** Refer logs for more details.

**Recommended Action** No action is required.

**Error Message** HSRP\_ENGINE-3-MASTER\_CFG\_UNNUMBERED: Interface [chars] has been moved as Unnumbered, for Master Hsrp Ipv4 grp [dec] traffic will be dropped

**Explanation** MASTER HSRP group configs are not supported on an unnumbered interface

**Recommended Action** No action is required.

**Error Message** HSRP\_ENGINE-3-NOSOCKET: Unable to open socket

**Explanation** The system was unable to initialize an IP connection for the Hot Standby protocol.

**Recommended Action** Make sure that there is at least one interface configured to run IP.

**Error Message** HSRP\_ENGINE-3-VIP\_ADD\_FAILED1: Failed to retain Address on interface [chars] Grp [dec] address [chars] is already assigned to, or overlaps with, an address on interface [chars] address removed.

**Explanation** The HSRP virtual IP address cannot be reapplied as it is already assigned to, or overlaps with, an address on another interface or application.

**Recommended Action** Verify that the reported IP address is not present on the device/vdc in the same vrf. If its not present, collect show tech-support netstack detail and show tech-support hsrp.

**Error Message** HSRP\_ENGINE-3-VIP\_ADD\_FAILED2: Failed to retain Address on interface [chars] Grp [dec] address [chars] is already assigned to, or overlaps with, an address on another interface or application address removed.

**Explanation** The HSRP virtual IP address cannot be reapplied as it is already assigned to, or overlaps with, an address on another interface or application.

**Recommended Action** Verify that the reported IP address is not present on the device/vdc in the same vrf. If its not present, collect show tech-support netstack detail and show tech-support hsrp.

## HSRP\_ENGINE-4

**Error Message** HSRP\_ENGINE-4-BDAUTH2: Bad authentication from [chars]

**Explanation** Two routers participating in HSRP disagree on the valid authentication string.

**Recommended Action** Use the HSRP authentication command to repair the HSRP authentication discrepancy between the local system and the one whose IP address is reported.

**Error Message** HSRP\_ENGINE-4-BDAUTH: Bad authentication from [chars], group [dec], remote state [chars]

**Explanation** Two routers participating in HSRP disagree on the valid authentication string.

**Recommended Action** Use the HSRP authentication command to repair the HSRP authentication discrepancy between the local system and the one whose IP address is reported.

**Error Message** HSRP\_ENGINE-4-BUNDLE\_GROUP\_NOTEXIST: Group [dec] not found on Intf [chars] for Bundle [dec], Traffic for this group will be lost on this node.

**Explanation** If any of the groups for the bundle are missing due to misconfig and the bundle is UP, this results into traffic loss for groups which are not configured.

**Recommended Action** User need to configure the missing groups for the bundle on this node

**Error Message** HSRP\_ENGINE-4-DIFFVIP1: [chars] Grp [dec] active routers virtual IP address [chars] is different to the locally configured address [chars]

**Explanation** The HSRP virtual IP address contained in the Hello message from the Active router is different to that configured locally.

**Recommended Action** Check the configuration on all HSRP routers.

**Error Message** HSRP\_ENGINE-4-DUPADDR: Duplicate address %i on [chars], sourced by %e

**Explanation** The IP address in an HSRP message received on the interface is the same as the router's own IP address. This may be because of misconfiguration, or because of a malfunctioning switch

**Recommended Action** Check the configurations on all the HSRP routers, and make sure that any switches you have are functioning properly.

**Error Message** HSRP\_ENGINE-4-DUPVIP1: [chars] Grp [dec] address [chars] is already assigned to a HSRP group on this interface

**Explanation** The HSRP virtual IP address contained in the Hello message cannot be learnt as it is already assigned to a different HSRP group.

**Recommended Action** Check the configuration on all HSRP routers.

**Error Message** HSRP\_ENGINE-4-DUPVIP2: [chars] Grp [dec] address [chars] is already assigned on this interface

**Explanation** The HSRP virtual IP address contained in the Hello message cannot be learnt as it is already assigned to this interface.

**Recommended Action** Check the configuration on all HSRP routers.

**Error Message** HSRP\_ENGINE-4-DUPVIP3: [chars] Grp [dec] address [chars] is already assigned to, or overlaps with, an address on another interface or application

**Explanation** The HSRP virtual IP address contained in the Hello message cannot be learnt as it is already assigned to, or overlaps with, an address on another interface or application.

**Recommended Action** Check the configuration on all HSRP routers.

## HSRP\_ENGINE-5

**Error Message** HSRP\_ENGINE-5-ACTIVEROUTERPRIORITY: Interface [chars] [chars] Grp [dec] Active router priority changed to [dec]

**Explanation** The priority of the Active router for the group has changed.

**Recommended Action** No action is required.

**Error Message** HSRP\_ENGINE-5-ACTIVE\_CHANGE: Interface [chars] [chars] Grp [dec] Active router is [chars]

**Explanation** The Active router for the group has changed.

**Recommended Action** No action is required.

**Error Message** HSRP\_ENGINE-5-AUTOCONFIG\_VIPLEARN: Interface [chars] grp [dec] learnt autoconfig virtual ip address [chars]

**Explanation** The local router has generate virtual ip address

**Recommended Action** No action is required.

**Error Message** HSRP\_ENGINE-5-BUNDLE\_DOWN\_REASON: Cannot bringup bundle <[dec]:[chars]>, Reason: [chars]

**Explanation** Display the reason why bundle is down

**Recommended Action** Address the reason why the bundle is down

**Error Message** HSRP\_ENGINE-5-BUNDLE\_STATE\_CHANGE: Bundle State change from: [chars] To: [chars].

**Explanation** Bundle State change

**Recommended Action** No action is required.

**Error Message** HSRP\_ENGINE-5-GRPSTATECHANGE: Interface [chars] [chars] Grp [dec] state changed from [chars] to [chars] reason [chars]

**Explanation** The HSRP router has changed state

**Recommended Action** No action is required.

**Error Message** HSRP\_ENGINE-5-MACADDRESS\_CHANGE: Interface [chars] [chars] Grp [dec] mac-address changed to [chars]

**Explanation** The mac address of the group has changed.

**Recommended Action** No action is required.

**Error Message** HSRP\_ENGINE-5-MASTER\_NAME\_CHNGD: Master Name conflict for grp [dec], using default

**Explanation** Name conflict between two master, later will fallback to default

**Recommended Action** No action is required.

**Error Message** HSRP\_ENGINE-5-PRIORITY: Interface [chars] [chars] Grp [dec] priority changed to [dec]

**Explanation** The current priority of the HSRP group has changed.

**Recommended Action** No action is required.

**Error Message** HSRP\_ENGINE-5-STANDBYROUTERPRIORITYCHANGE: Interface [chars] [chars] Grp [dec] Standby router priority changed to [dec]

**Explanation** The priority of the Standby router for the group has changed.

**Recommended Action** No action is required.

**Error Message** HSRP\_ENGINE-5-STANDBY\_CHANGE: Interface [chars] [chars] Grp [dec] Standby router is [chars]

**Explanation** The Standby router for the group has changed.

**Recommended Action** No action is required.

**Error Message** HSRP\_ENGINE-5-TIMER: Interface [chars] [chars] Grp [dec] [chars] timer changed to [dec] [chars]

**Explanation** The hello/hold timer value for the HSRP group has changed

**Recommended Action** No action is required.

**Error Message** HSRP\_ENGINE-5-VIPLEARN: Interface [chars] [chars] Grp [dec] learnt virtual ip address [chars]

**Explanation** The local router has learnt virtual ip address from the incoming HSRP packet.

**Recommended Action** No action is required.

## HSRP\_ENGINE-6

**Error Message** HSRP\_ENGINE-6-STATECHANGE2: [chars] [chars] Grp [dec] state moving from [chars]

**Explanation** The router has changed state

**Recommended Action** No action is required.

**Error Message** HSRP\_ENGINE-6-STATECHANGE: [chars] [chars] Grp [dec] state move to [chars]

**Explanation** The router has changed state

**Recommended Action** No action is required.

## IDEHSD Messages

This section contains the IDEHSD messages.

## IDEHSD-1

**Error Message** IDEHSD-1-MANUAL\_FORMAT: logflash needs to be formatted

**Explanation** Logflash is not accessible; use \format logflash:\ to format it

**Recommended Action** No action is required.

## IDEHSD-2

**Error Message** IDEHSD-2-AUTO\_FORMAT: logflash auto-format [chars]

**Explanation** Logflash auto-format event

**Recommended Action** No action is required.

**Error Message** IDEHSD-2-DISK\_BUSY\_FAILED: Cannot amount [chars],

**Explanation** The specified disk interface is in use it can not be un mounted, The user may experience file system corruption

**Recommended Action** Make sure slot0 is not being used either by mounting or by any command and re-insert the disk again

**Error Message** IDEHSD-2-DISK\_FSCK\_FAIL: file system check returned error on slot [dec]

**Explanation** Flash filesystem may be corrupted, the flash was taken while it was being accessed

**Recommended Action** Reformat the external flash

**Error Message** IDEHSD-2-DISK\_MOUNT\_FAIL: disk mount unsuccessful on [chars]

**Explanation** Unknown flash filesystem or not cleanly un mounted

**Recommended Action** Use vfat flash only and make sure external slot is not being accessed then re-insert flash

**Error Message** IDEHSD-2-DISK\_RESCAN\_FAIL: disk rescan unsuccessful on [chars]

**Explanation** Flash filesystem was not cleanly un mounted

**Recommended Action** Make sure external slot is not being accessed and re-insert the flash

**Error Message** IDEHSD-2-DISK\_UMOUNT\_FAIL: disk umount unsuccessful for [chars]

**Explanation** Flash filesystem is busy the system could not un-mount it

**Recommended Action** Make sure external slot is not being accessed and re-insert the flash

**Error Message** IDEHSD-2-FORK: fork failed ([chars] process)

**Explanation** The flash daemon failed to fork

**Recommended Action** No action is required.

**Error Message** IDEHSD-2-INTERNAL\_ERROR: Internal Error [dec]

**Explanation** The flash daemon interface returns error

**Recommended Action** Restart the idehsd daemon

**Error Message** IDEHSD-2-MOUNT: [chars] online

**Explanation** Flash daemon mounting slot

**Recommended Action** No action is required.

**Error Message** IDEHSD-2-UMOUNT: [chars] offline

**Explanation** Flash daemon un mounting slot

**Recommended Action** No action is required.

**Error Message** IDEHSD-2-USB\_SWAP: USB insertion or removal detected

**Explanation** USB swap event

**Recommended Action** No action is required.

### IDEHSD-3

**Error Message** IDEHSD-3-DEVICEOPEN\_FAILED: device open failed. Component [chars]

**Explanation** The flash daemon device open failed The failure is due to the sub-component [chars]

**Recommended Action** No action is required.

### IDEHSD-5

**Error Message** IDEHSD-5-DISK\_SWAP: [chars] [chars]

**Explanation** Compact flash swap event

**Recommended Action** No action is required.

### IDEHSD-6

**Error Message** IDEHSD-6-DISK\_BUSY: trying to un mount disk [chars]

**Explanation** Flash daemon trying to unmount busy slot

**Recommended Action** No action is required.

**Error Message** IDEHSD-6-DISK\_EVENT: slot [dec] [chars]

**Explanation** Flash daemon found a disk hotswap handler event

**Recommended Action** No action is required.

**Error Message** IDEHSD-6-IDEHSD\_INFO: [chars]

**Explanation** Flash daemon informational message

**Recommended Action** No action is required.

**Error Message** IDEHSD-6-IOCTL: ioctl: [chars] returns [dec]

**Explanation** Flash daemon trying to umount busy slot

**Recommended Action** No action is required.

**Error Message** IDEHSD-6-STARTING: daemon started

**Explanation** The compact flash swap daemon successfully started

**Recommended Action** No action is required.

## IDEHSD-7

**Error Message** IDEHSD-7-IDEHSD\_TRACE: [chars]() [chars]:[dec] disk=[dec]

**Explanation** Flash daemon debug message to trace code path

**Recommended Action** No action is required.

## IMAGE\_DNLD Messages

This section contains the IMAGE\_DNLD messages.

### IMAGE\_DNLD-SLOT#-2

**Error Message** IMAGE\_DNLD-SLOT#-2-ADDON\_IMG\_DNLD\_FAILED: Module image download process failed.  
[chars]

**Explanation** Addon image download to module failed. This module is not operational until an addon image has been successfully installed.

**Recommended Action** Verify the location and version of your module image. Use the install module cli command to download a new module image.

**Error Message** IMAGE\_DNLD-SLOT#-2-IMG\_DNLD\_COMPLETE: Module image download process. [chars]

**Explanation** Image download completed. Module image is being installed.

**Recommended Action** No action is required.

**Error Message** IMAGE\_DNLD-SLOT#-2-IMG\_DNLD\_FAILED: Module image download process. [chars]

**Explanation** Image download failed. Module may be inoperable.

**Recommended Action** Use show module cli command to verify the state of this module. Retry image download with install module cli command.

**Error Message** IMAGE\_DNLD-SLOT#-2-IMG\_DNLD\_FILE\_SYSTEM\_CHECK\_ERROR: File System check failed:  
[chars]

**Explanation** File system consistency check failed



**Recommended Action** File-system repair is needed using fsck

**Error Message** IMAGE\_DNLD-SLOT#-2-IMG\_DNLD\_STARTED: Module image download process. [chars]

**Explanation** Image download started. Module image downloads are non-disruptive to module operation.

**Recommended Action** No action is required.

## IMAGE\_DNLD-SLOT#-4

**Error Message** IMAGE\_DNLD-SLOT#-4-IMG\_DNLD\_FILE\_SYSTEM\_RECREATION: [chars]. Partition was erased and successfully recreated.

**Explanation** File system checking and recreation if necessary for \images\.

**Recommended Action** No action is required.

## IMAGE\_DNLD-SLOT#-5

**Error Message** IMAGE\_DNLD-SLOT#-5-ADDON\_IMG\_DNLD\_COMPLETE: Addon module image download process completed. [chars]

**Explanation** Addon image download to module has completed. The module should now be installing this new image.

**Recommended Action** This message is informational only.

**Error Message** IMAGE\_DNLD-SLOT#-5-ADDON\_IMG\_DNLD\_STARTED: Addon module image download process started. [chars]

**Explanation** Addon image download to module has started. This is a disruptive download and this module will be inoperable until this download process is complete.

**Recommended Action** This message is informational only.

**Error Message** IMAGE\_DNLD-SLOT#-5-ADDON\_IMG\_DNLD\_SUCCESSFUL: Addon module image download and install process successful. [chars]

**Explanation** Addon image download and install to module is successful.

**Recommended Action** Use the show module cli command to verify the module's operational status.

## IM Messages

This section contains the IM messages.

### IM-3

**Error Message** IM-3-IM\_IF\_FEATURE\_BIND\_FAILURE: Interface feature bind failed [chars]

**Explanation** Interface feature bind failed, so applications in that feature set may not behave correctly.

**Recommended Action** No action is required.

**Error Message** IM-3-IM\_LC\_OFFLINE\_ERROR: LC Offline could not be sent to vdc:[dec]

**Explanation** LC Offline was not relayed to some vdc, so applications may not behave correctly.

**Recommended Action** No action is required.

**Error Message** IM-3-IM\_RESP\_ERROR: Component [chars] opcode:[chars] in vdc:[dec] returned error:[chars]

**Explanation** Some component returned an error.

**Recommended Action** No action is required.

**Error Message** IM-3-IM\_SEQ\_ERROR: Error ([chars]) while communicating with component [chars] opcode:[chars] (for:[chars])

**Explanation** Some component did not respond to a request in stipulated time.

**Recommended Action** No action is required.

## IM-5

**Error Message** IM-5-IM\_DEMUX\_ERROR: [chars]

**Explanation** Demux function returned error

**Recommended Action** No action is required.

**Error Message** IM-5-IM\_INTERNAL\_ERROR: [chars]

**Explanation** Internal error occurred

**Recommended Action** No action is required.

**Error Message** IM-5-IM\_MGMT\_INTF\_STATE: [chars] [chars]

**Explanation** Management interface state changed.

**Recommended Action** No action is required.

**Error Message** IM-5-IM\_UNKNOWN\_INTERFACE: [chars]

**Explanation** Interface is not supported or not found

**Recommended Action** No action is required.

## INTERFACE\_VLAN Messages

This section contains the INTERFACE\_VLAN messages.

### INTERFACE\_VLAN-4

**Error Message** INTERFACE\_VLAN-4-SVI\_IF\_CONFIG\_DELETED\_NOTIF\_DELAYED\_DROPPED: Interface VLAN

Delete Notification Not Processed on Time by SAP [dec] ([chars])

**Explanation** This SAP took long time in processing Interface VLAN delete notification and caused timeout

**Recommended Action** No action is required.

**Error Message** INTERFACE\_VLAN-4-SVI\_IF\_CONFIG\_REMOVED\_NOTIF\_DELAYED\_DROPPED: Interface VLAN Remove Notification Not Processed on Time by SAP [dec] ([chars])

**Explanation** This SAP took long time in processing Interface VLAN remove notification and caused timeout

**Recommended Action** No action is required.

**Error Message** INTERFACE\_VLAN-4-SVI\_VLAN\_DOES\_NOT\_EXIST: Vlan [dec] does not exist

**Explanation** Vlan not created before assignment

**Recommended Action** Interface-vlan

**Error Message** INTERFACE\_VLAN-4-SVI\_WARN\_SVI\_UP\_IN\_NON\_ROUTABLE\_VDC: Interface VLAN [dec] is being kept up in non-routable VDC. Reason: management configuration enabled. Please disable all the routing protocols

**Explanation** Keeping Interface VLAN up in non-routable VDC may cause potential traffic blackhole

**Recommended Action** No action is required.

## INTERFACE\_VLAN-5

**Error Message** INTERFACE\_VLAN-5-IF\_DOWN\_ADMIN\_DOWN: Interface [chars] is down(Administratively Down)

**Explanation** Interface has been configured to be administratively down

**Recommended Action** No action is required.

**Error Message** INTERFACE\_VLAN-5-IF\_DOWN\_ERROR\_DISABLED: Interface [chars] is down. Reason [dec]

**Explanation** The interface encountered an error while configuring it

**Recommended Action** No action is required.

**Error Message** INTERFACE\_VLAN-5-IF\_DOWN\_INACTIVE: Interface [chars] is down (Inactive)

**Explanation** Interface VLAN has been suspended or deleted

**Recommended Action** No action is required.

**Error Message** INTERFACE\_VLAN-5-SVI\_DISABLED: SVI Disabled

**Explanation** SVI Service Disabled

**Recommended Action** No action is required.

**Error Message** INTERFACE\_VLAN-5-SVI\_ENABLED: SVI Enabled

**Explanation** SVI Service Enabled

**Recommended Action** No action is required.

**Error Message** INTERFACE\_VLAN-5-SVI\_GET\_MAC\_FAILED: Failed to acquire MAC address for SVI [hex]

**Explanation** SVI failed to acquire MAC address

**Recommended Action** No action is required.

**Error Message** INTERFACE\_VLAN-5-SVI\_INIT: SVI initialization failed with error [hex]

**Explanation** SVI initialization error

**Recommended Action** No action is required.

**Error Message** INTERFACE\_VLAN-5-SVI\_IOD\_RELEASE\_ERROR\_RESPONSE: IM failed to release SVI IOD error [hex]

**Explanation** IM failed to release SVI IOD

**Recommended Action** No action is required.

**Error Message** INTERFACE\_VLAN-5-SVI\_MTS\_SEND\_FAILURE: MTS send failure for opcode [dec], error [hex]

**Explanation** SVI encountered an error in with MTS message

**Recommended Action** No action is required.

**Error Message** INTERFACE\_VLAN-5-SVI\_MTS\_TIME\_OUT: MTS send timed out for rrtoken [hex], vlans [chars]

**Explanation** SVI did not receive response for mts message

**Recommended Action** No action is required.

**Error Message** INTERFACE\_VLAN-5-SVI\_RSRVD\_VLAN\_FAILED: Failed to get list of reserved vlans [hex]

**Explanation** SVI failed to get the list reserved vlans

**Recommended Action** No action is required.

**Error Message** INTERFACE\_VLAN-5-SVI\_SDB\_UPDATE\_FAILED: sdb update failed with ret\_val [dec]

**Explanation** SDB updated failed for SVI

**Recommended Action** No action is required.

**Error Message** INTERFACE\_VLAN-5-SVI\_SEC\_VLAN\_FAILED: Failed to get list of secondary vlans [hex]

**Explanation** SVI failed to get the list of secondary vlans

**Recommended Action** No action is required.

**Error Message** INTERFACE\_VLAN-5-UPDOWN: Line Protocol on Interface [chars], changed state to [chars]

**Explanation** Line protocol status changed for an interface

**Recommended Action** No action is required.

## IPFIB Messages

This section contains the IPFIB messages.

### IPFIB-2

**Error Message** IPFIB-2-FIB\_HW\_ECMP\_ADJ\_CREATE\_FAILURE: ECMP hardware programming failed.

**Explanation** Programming of ECMP adjacency in hardware failed. Programming only one next-hop.

**Recommended Action** No action is required.

**Error Message** IPFIB-2-FIB\_HW\_ECMP\_AUTO\_RECOVERY\_COMPLETE: ECMP auto recovery completed. [dec] v4 and [dec] v6 routes recovered.

**Explanation** ECMP auto recovery process completed.

**Recommended Action** No action is required.

**Error Message** IPFIB-2-FIB\_HW\_ECMP\_AUTO\_RECOVERY\_PARTIAL\_COMPLETE: ECMP auto recovery partially completed. [dec] v4 and [dec] v6 routes recovered.

**Explanation** ECMP auto recovery process completed. Routes were recovered partially

**Recommended Action** No action is required.

**Error Message** IPFIB-2-FIB\_HW\_ECMP\_AUTO\_RECOVERY\_START: ECMP auto recovery start.

**Explanation** ECMP auto recovery process started.

**Recommended Action** No action is required.

**Error Message** IPFIB-2-FIB\_WEIGHTED\_ROUTES\_NOT\_SUPPORTED: Weighted Routes are not supported in Resilient Mode. Disable using CLI:"no hardware profile ecmp resilient"

**Explanation** Weighted Routes are not supported in Resilient Mode.

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-IPFIB\_IPSG\_TAHOE\_TCAM\_SIZE\_BELOW\_FULL: Tcam resource is available in IPSG tcam region[[dec]/[dec]].

**Explanation** Can add new TCAM entries. tcam resource is available.

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-IPFIB\_IPSG\_TAHOE\_TCAM\_SIZE\_BELOW\_THRESHOLD: IPSG tcam region's usage has been below its threshold [dec]% [[dec]/[dec]].

**Explanation** Less than 90 percent of entries are used in TCAM IPSG region

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-IPFIB\_IPSG\_TAHOE\_TCAM\_SIZE\_FULL: No resource available in IPSG tcam region[[dec]/[dec]].IPSG tcam is full.

**Explanation** Cannot add new TCAM entries. All entries are used.

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-IPFIB\_IPSG\_TAHOE\_TCAM\_SIZE\_OVER\_THRESHOLD: IPSG tcam region's usage has reached its threshold [dec]% [[dec]/[dec]].

**Explanation** More than 90 percent of entries are used in TCAM IPSG region

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-IPFIB\_IPSG\_TCAM\_SIZE\_BELOW\_FULL: Tcam resource is available in IPSG tcam region[[dec]/[dec]] on instance [dec] of Slot [dec].

**Explanation** Can add new TCAM entries. tcam resource is available.

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-IPFIB\_IPSG\_TCAM\_SIZE\_BELOW\_THRESHOLD: IPSG tcam region's usage has been below its threshold [dec]% [[dec]/[dec]] on instance [dec] of Slot [dec]

**Explanation** Less than 90 percent of entries are used in TCAM IPSG region

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-IPFIB\_IPSG\_TCAM\_SIZE\_FULL: No resource available in IPSG tcam region[[dec]/[dec]] on instance [dec] of Slot [dec].IPSG tcam is full.

**Explanation** Cannot add new TCAM entries. All entries are used.

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-IPFIB\_IPSG\_TCAM\_SIZE\_OVER\_THRESHOLD: IPSG tcam region's usage has reached its threshold [dec]% [[dec]/[dec]] on instance [dec] of Slot [dec]

**Explanation** More than 90 percent of entries are used in TCAM IPSG region

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-IPFIB\_IPSG\_TCAM\_SIZE\_ZERO: IPSG tcam region is not configured. Please configure IPSG TCAM region and retry

**Explanation** Cannot add TCAM entries. IPSG TCAM region is not configured.

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-IPFIB\_IP\_FIRST\_HOP\_TCAM\_SIZE\_FULL: No resource available in First Hop tcam region. First Hop for [chars]/[dec] can't be created.

**Explanation** Cannot add new TCAM entries. All entries are used.

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-IPFIB\_IP\_LAST\_HOP\_TCAM\_SIZE\_FULL: No resource available in Last Hop tcam region. Last Hop for group [chars] can't be created.

**Explanation** Cannot add new TCAM entries. All entries are used.

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-LFIB\_MAX\_LABEL\_STACK\_LIMIT\_REACHED: Max Label count exceeded, truncating the label stack

**Explanation** Max limit for number of labels in the stack exceeded hence pruning extra labels.

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-MFIB\_BIDIR\_GENERIC\_ERROR: Unexpected condition verified. [chars] . Please collect mifib logs

**Explanation** Generic bidir error

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-MFIB\_BIDIR\_NOT\_SUPPORTED: BiDir is not yet supported. Ignoring multicast route ([chars]/[dec]).

**Explanation** BiDir is not yet supported.

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-MFIB\_EGR\_NAT\_TCAM\_SIZE\_FULL: Mcast-NAT TCAM exhausted for egress multicast routes. Please increase mcast-nat TCAM size if possible (allowed-max 2048) or reduce the number of egress NAT rules.

**Explanation** Num of maximum NAT ACL TCAM for egress mcast routes exceeded

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-MFIB\_EGR\_NAT\_TCAM\_SIZE\_THRESHOLD: Warning: Mcast-NAT TCAM usage is about to reach the maximum. Adding egress NAT rules further could lead to TCAM exhaustion.

**Explanation** Num of maximum NAT ACL TCAM for egress mcast routes is close to exhaustion

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-MFIB\_MAX\_BIDIR\_GRP\_RANGE\_REACHED: Num of BiDir group ranges installed [dec] has reached maximum Bidir group range limit. Please correct the Bidir config to be within limit

**Explanation** Num of maximum Bidir group ranges supported exceeded

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-MFIB\_MAX\_BIDIR\_ROUTES\_REACHED\_EXPAND: Num of BiDir routes installed exceeded max allowed [dec] while expanding ([chars]/[dec]). Please correct the Bidir config to be within limit

**Explanation** Num of maximum Bidir routes supported exceeded

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-MFIB\_MAX\_BIDIR\_ROUTES\_REACHED: Num of BiDir routes installed exceeded max allowed [dec] . Please correct the Bidir config to be within limit

**Explanation** Num of maximum Bidir routes supported exceeded

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-MFIB\_NAT\_REDIRECT\_IDX\_EXCEEDED: Mcast-NAT redirect indexes for egress NAT rules exhausted. Please limit the total number of unique static-oif interfaces for egress NAT rules to 96

**Explanation** Mcast-NAT redirect indexes for egress NAT rules exhausted

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-MFIB\_NAT\_TCAM\_NOT\_CARVED: Mcast-NAT TCAM region has not been carved. Please use 'hardware access-list tcam region mcast-nat ' command to configure NAT TCAM

**Explanation** NAT ACL TCAM not carved for ingress and egress mcast NAT routes

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-MFIB\_NAT\_TCAM\_SIZE\_FULL: Mcast-NAT TCAM exhausted for ingress/egress multicast routes. Please increase mcast-nat TCAM size if possible (allowed-max 2048) or reduce the number of NAT rules.

**Explanation** Num of maximum NAT ACL TCAM for ingress and egress mcast routes exceeded

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-MFIB\_NON\_SSM\_TO\_SSM\_CONV: Converting Routes from Non-SSM to SSM. Please run "clear ip mroute \*".

**Explanation** Converting Routes from Non-SSM to SSM. Clear all routes

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-MFIB\_SSM\_TO\_BIDIR\_CONV: Converting Routes from SSM to Bidir. Please run "clear ip mroute \*".

**Explanation** Converting Routes from SSM to Bidir. Clear all routes

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-MFIB\_UNSUPPORTED\_BIDIR\_GROUP\_AS\_DROP\_RT: Incorrect bidir group range learnt/configured on the system([chars]/[dec]). 224/4 cannot be configured as bidir grp range. Please change your config accordingly for forwarding to work properly

**Explanation** Received drop route as bidir group range

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-MFIB\_UNSUPPORTED\_BIDIR\_GROUP\_RANGE: Incorrect bidir group range



learnt/configured on the system([chars]/[dec]). The shortest supported mask for bidir group ranges on this platform is /[dec]. Please change your config accordingly for forwarding to work properly

**Explanation** Received bidir group range with mask too short

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-MFIB\_UNSUPPORTED\_VMCT\_IR\_MCAST\_MIXED\_MODE: This platform does not support Ingress Replication and Multicast mixed mode with Virtual-peerlink. Please un-configure either IR or Multicast underlay

**Explanation** IR or Multicast underlay traffic to VPCs will not work correctly

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_GET\_BD\_MCINFO\_FAILED: Get interface property failed for Egress nat Service interface [chars]

**Explanation** Get bd mcinfo failed for Enat Service interface.

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_MCINFO\_TILE\_DEPTH\_EMPTY: MCINFO TILE DEPTH is empty

**Explanation** MCINFO TILE DEPTH is empty.

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_V4\_GRP\_CREATE: Multicast IPv4 (\*,G) create failed for [chars]

**Explanation** Multicast group creation failed

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_V4\_GRP\_UPDATE: Multicast IPv4 (\*,G) update failed for [chars]

**Explanation** Multicast group update failed

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_V4\_INVALID\_ARGUMENT: Multicast IPv4 invalid argument for (\*,[chars])

**Explanation** Multicast invalid argument

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_V4\_MCAST\_DA\_TCAM\_FULL: Multicast DA TCAM resource exhaustion ([chars])

**Explanation** Multicast DA TCAM FULL

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_V4\_MCAST\_SA\_TCAM\_FULL: Multicast SA TCAM resource exhaustion ([chars])

**Explanation** Multicast SA TCAM FULL

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_V4\_MCINFO\_L2PTR: Multicast IPv4 get mcinfo l2ptr failed for ([chars],[chars])

**Explanation** Multicast mcinfo l2ptr error

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_V4\_MCINFO\_LOC: Multicast IPv4 mcinfo get location failed for ([chars],[chars])

**Explanation** Multicast mcinfo get loc error

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_V4\_MCINFO\_WRITE: Multicast IPv4 mcinfo programming failed for ([chars],[chars])

**Explanation** Multicast mcinfo creation failed

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_V4\_SG\_CREATE: Multicast IPv4 (S,G) create failed for ([chars],[chars])

**Explanation** Multicast (S,G) creation failed

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_V4\_SG\_PGM: Multicast IPv4 (S,G) programming failed for ([chars],[chars])

**Explanation** Multicast (S,G) programming failed

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_V4\_SG\_UPDATE: Multicast IPv4 (S,G) update failed for ([chars],[chars])

**Explanation** Multicast (S,G) update failed

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_V4\_SRC\_CREATE: Multicast IPv4 source create failed for [chars]/[dec]

**Explanation** Multicast S/32 creation failed

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_V4\_TABLE\_FULL: Multicast S/32 or G/32 create failed for

([chars],[chars]) due to hash collision

**Explanation** Insert failed due to hash collision

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_V4\_TCAM\_INVALID\_INDEX: Multicast IPv4 invalid tcam index for (\*,[chars])

**Explanation** Multicast invalid tcam index

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_V6\_GRP\_CREATE: Multicast IPv6 (\*,G) create failed for [chars]

**Explanation** Multicast group creation failed

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_V6\_GRP\_UPDATE: Multicast IPv6 (\*,G) update failed for [chars]

**Explanation** Multicast group update failed

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_V6\_INVALID\_ARGUMENT: Multicast IPv6 invalid argument for (\*,[chars])

**Explanation** Multicast invalid argument

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_V6\_MCINFO\_L2PTR: Multicast IPv6 get mcinfo l2ptr failed for ([chars],[chars])

**Explanation** Multicast mcinfo l2ptr error

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_V6\_MCINFO\_LOC: Multicast IPv6 mcinfo get location failed for ([chars],[chars])

**Explanation** Multicast mcinfo get loc error

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_V6\_MCINFO\_WRITE: Multicast IPv6 mcinfo programming failed for ([chars],[chars])

**Explanation** Multicast mcinfo creation failed

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_V6\_SG\_CREATE: Multicast IPv6 (S,G) create failed for ([chars],[chars])

**Explanation** Multicast (S,G) creation failed

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_V6\_SG\_PGM: Multicast IPv6 (S,G) programming failed for ([chars],[chars])

**Explanation** Multicast (S,G) programming failed

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_V6\_SG\_UPDATE: Multicast IPv6 (S,G) update failed for ([chars],[chars])

**Explanation** Multicast (S,G) update failed

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_V6\_SRC\_CREATE: Multicast IPv6 source create failed for [chars]/[dec]

**Explanation** Multicast S/128 creation failed

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_V6\_TABLE\_FULL: Multicast S/128 or G/128 create failed for ([chars],[chars]) due to hash collision

**Explanation** Insert failed due to hash collision

**Recommended Action** No action is required.

**Error Message** IPFIB-SLOT#-2-TAH\_MFIB\_V6\_TCAM\_INVALID\_INDEX: Multicast IPv6 invalid tcam index for (\*,[chars])

**Explanation** Multicast invalid tcam index

**Recommended Action** No action is required.

## IPQOSMGR Messages

This section contains the IPQOSMGR messages.

### IPQOSMGR-2

**Error Message** IPQOSMGR-2-QOSMGR\_DCBXP\_PFC\_CMP\_FAIL\_MSG: [chars] - qos config [chars] not compatible with the peer

**Explanation** Port\_id [chars] has qos config [chars] which is incompatible with the peer.

**Recommended Action** No action is required.

**Error Message** IPQOSMGR-2-QOSMGR\_FCOE\_POLICY\_NOT\_REMOVED: Policy [chars] is attached to interfaces. Hence not removed.

**Explanation** Policy is not removed as service policy referenced it

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

**Error Message** IPQOSMGR-2-QOSMGR\_INIT\_FAILED: Initialization failed for QoS Manager: [chars], reason: [hex].

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

**Recommended Action** No action is required.

**Error Message** IPQOSMGR-2-QOSMGR\_LLFC\_APPLY\_FAILURE\_BUFFER\_FULL: Unable to apply flow-control configuration on interface: [chars] due to \"[chars]\". Please manually remove the configuration

**Explanation** Failed to apply flow-control configuration on Port\_id [chars] due to error [chars]

**Recommended Action** Manually delete flow-control configuration on the port to keep the config accurate

**Error Message** IPQOSMGR-2-QOSMGR\_LLFC\_APPLY\_FAILURE: Unable to apply flow-control configuration on interface: [chars] due to \"[chars]\".

**Explanation** Failed to apply flow-control configuration on Port\_id [chars] due to error [chars]

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

**Error Message** IPQOSMGR-2-QOSMGR\_NETWORK\_QOS\_POLICY\_CHANGE: Policy [chars] is now active

**Explanation** [chars] is the new active network-qos policy

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

## IPQOSMGR-3

**Error Message** IPQOSMGR-3-QOSMGR\_CONFIG\_ERROR: Configuration error: [chars].

**Explanation** Configuration error. [chars] is the reason.

**Recommended Action** No action is required.

**Error Message** IPQOSMGR-3-QOSMGR\_NVDC\_PFF\_ERROR: PPF verify/commit failed in vdc [dec] error: [hex] for global qos command

**Explanation** For global qos command, PPF verify/commit failed in vdc [dec] with reason [hex].

**Recommended Action** No action is required.

**Error Message** IPQOSMGR-3-QOSMGR\_PFF\_ERROR: PPF library error: [chars].

**Explanation** PPF library errors. [chars] is the reason.

**Recommended Action** No action is required.

## IPQOSMGR-4

**Error Message** IPQOSMGR-4-QOSMGR\_ING\_QUEUING\_DCBX\_WARNING: Input direction queuing config is being allowed for FCoE/DCBX exchange but will not be applied.

**Explanation** Input direction Queuing config is unsupported on N9K but config is being allowed for DCBX compatibility with peer.

**Recommended Action** No action is required.

**Error Message** IPQOSMGR-4-QOSMGR\_LC\_ERROR\_MSG: Linecard [dec] returned an error: [chars]

**Explanation** Linecard [dec] returned an error message which is reported as [chars].

**Recommended Action** No action is required.

**Error Message** IPQOSMGR-4-QOSMGR\_POLICIES\_PRESENT\_ON\_DELETED\_VLANS: Some VLANs (id: [chars]) which are getting deleted now are still having qos service-policy attached. These policies will be effective only when the VLANs get created again.

**Explanation** VLAN(s) [chars] is(are) getting deleted now. This is an informational message to notify that qos service-policies are present when the vlan is deleted. If the service-policies are not needed, please detach them from the vlans

**Recommended Action** No action is required.

**Error Message** IPQOSMGR-4-QOSMGR\_PFF\_WARNING: PPF library warning: [chars].

**Explanation** PPF library warning. [chars] is the reason.

**Recommended Action** No action is required.

**Error Message** IPQOSMGR-4-QOSMGR\_WARNING\_MSG: [chars] [dec]

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

**Recommended Action** No action is required.

## IPQOSMGR-5

**Error Message** IPQOSMGR-5-QOSMGR\_LC\_STAT\_SESSION\_ERROR\_MSG: Linecard [dec] returned the following error for [chars] session: [chars].

**Explanation** Linecard [dec] returned an error message for session of type [chars] which is reported as [chars]. This message may be seen during linecard reload if there is an active session going on.

**Recommended Action** No action is required.

## IPQOSMGR-6

**Error Message** IPQOSMGR-6-QOSMGR\_DCBXP\_CMP\_FAIL\_MSG: [chars] - qos config [chars] not compatible with the peer

**Explanation** Dcbxp warning: Port\_id [chars] has qos config [chars] which is incompatible with the peer.

**Recommended Action** No action is required.

**Error Message** IPQOSMGR-6-QOSMGR\_INFO: QOSMGR Info: [chars].

**Explanation** QOSMGR info is reported as [chars].

**Recommended Action** No action is required.

**Error Message** IPQOSMGR-6-QOSMGR\_STATUS: QOSMGR Status: [chars].

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

**Recommended Action** No action is required.

## IPSEC Messages

This section contains the IPSEC messages.

### IPSEC-2

**Error Message** IPSEC-2-IPSEC\_INIT: IPsec initialization of [chars] [chars]

**Explanation** IPsec initialization failed

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

**Error Message** IPSEC-2-IPSEC\_SPD\_OVERFLOW\_DUE\_TO\_ACL: SPD Overflow on interface due to IP ACL [chars] bound to crypto map [chars] [dec]

**Explanation** Modifying IP ACL caused Security Policy Database on the interface to overflow, IP ACL filter not applied to security policy database

**Recommended Action** Undo IP ACL change

### IPSEC-3

**Error Message** IPSEC-3-14\_2\_MODULE\_PACKETS\_DROPPED: [chars]: packets were dropped in the module

**Explanation** Packets dropped in the 14/2 module. Please collect drop statistics using \show ipsec internal crypto-acc interface gigabit stats\

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

**Error Message** IPSEC-3-IPSEC\_FIPS\_TEST\_FAILED: IPSEC FIPS compliance test failed

**Explanation** IPSEC FIPS compliance test failed

**Recommended Action** No action is required.

**Error Message** IPSEC-3-IPSEC\_MSG\_SEND\_FAILURE: failed to send [chars] to sap [dec]: [chars]

**Explanation** Failed to send a message

**Recommended Action** No action is required.

### IPSEC-5

**Error Message** IPSEC-5-IPSEC\_CMS\_IF\_ACL\_UPDATED: IP ACL [chars] updated while Crypto map [chars] [dec] bound to interface(s)

**Explanation** IP ACL updated while it is mapped to a crypto map that is bound to interface(s)

**Recommended Action** No action is required.

**Error Message** IPSEC-5-IPSEC\_DISABLED\_LIC\_EXPIRED: IPsec Disabled due to License Expiry

**Explanation** IPsec Disabled due to License Expiry

**Recommended Action** No action is required.

**Error Message** IPSEC-5-IPSEC\_DISABLED: IPsec Disabled

**Explanation** IPsec Disabled

**Recommended Action** No action is required.

**Error Message** IPSEC-5-IPSEC\_ENABLED: IPsec Enabled

**Explanation** IPsec Enabled

**Recommended Action** No action is required.



**Error Message** IPSEC-5-IPSEC\_SA\_CREATED: [chars]: IPsec SA created: local\_ip: [chars], peer\_ip: [chars], [chars] SPI: [dec] ([hex])

**Explanation** IPsec SA created

**Recommended Action** No action is required.

**Error Message** IPSEC-5-IPSEC\_SA\_DELETED: [chars]: IPsec SA deleted: local\_ip: [chars], peer\_ip: [chars], [chars] SPI: [dec] ([hex]), reason: [chars]

**Explanation** IPsec SA deleted

**Recommended Action** No action is required.

**Error Message** IPSEC-5-IPSEC\_SA\_REKEYED: [chars]: IPsec SA rekeyed: local\_ip: [chars], peer\_ip: [chars], [chars] SPI: [dec] ([hex])

**Explanation** IPsec SA rekeyed

**Recommended Action** No action is required.

**Error Message** IPSEC-5-IPSEC\_TUNNEL\_CREATED: [chars]: IPsec tunnel created: local\_ip: [chars], peer\_ip: [chars], id: [dec], protocol: [chars], traffic:: local: [chars]/[chars], port: [chars], remote: [chars]/[chars], ports: [chars]

**Explanation** IPsec tunnel created

**Recommended Action** No action is required.

**Error Message** IPSEC-5-IPSEC\_TUNNEL\_DELETED: [chars]: IPsec tunnel deleted: local\_ip: [chars], peer\_ip: [chars], id: [dec], protocol: [chars], traffic:: local: [chars]/[chars], ports: [chars] remote: [chars]/[chars], ports: [chars]

**Explanation** IPsec tunnel deleted

**Recommended Action** No action is required.

**Error Message** IPSEC-5-IPSEC\_TUNNEL\_REKEYED: [chars]: IPsec tunnel rekeyed: local\_ip: [chars], peer\_ip: [chars], id: [dec], protocol: [chars] traffic:: local: [chars]/[chars], ports: [chars] remote: [chars]/[chars], ports: [chars]

**Explanation** IPsec tunnel rekeyed

**Recommended Action** No action is required.

## IPV6 Messages

This section contains the IPV6 messages.

### IPV6-2

**Error Message** IPV6-2-ALLOC\_MEMORY: Memory allocation failed

**Explanation** The IP Configuration Manager failed to allocate a block of dynamic memory.

**Recommended Action** No action is required.

### IPV6-3

**Error Message** IPV6-3-FILE\_WRITE\_FAILED: Writing to file [chars] failed - error: [chars]

**Explanation** Writing to a file failed probably due to no space.

**Recommended Action** Ipv6

**Error Message** IPV6-3-INIT\_FAILED: Initialization failed. Component [chars]

**Explanation** The service failed to start. The failure occurred while initializing the component [chars].

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

### IPV6-4

**Error Message** IPV6-4-DAD\_FAILED\_EVENT: Duplicate address detection failed for [chars] on [chars]

**Explanation** Duplicate address detection for IP address failed.

**Recommended Action** Ipv6

### IPV6-6

**Error Message** IPV6-6-CONFIG\_EVENT: IP Configuration Msg: [chars]

**Explanation** Configuration message that needs to be logged.

**Recommended Action** No action is required.

**Error Message** IPV6-6-INTERFACE\_DELETED: The interface [chars] has been deleted

**Explanation** The specified interface has been deleted. The service will delete all the configuration on that interface.

**Recommended Action** No action is required.

**Error Message** IPV6-6-INTERFACE\_EVENT: IP address [chars] [chars] on interface [chars]

**Explanation** The IP address [chars] has been successfully [chars] on the interface [chars].

**Recommended Action** No action is required.

**Error Message** IPV6-6-ROUTE\_NOT\_ACTIVE: The [chars] is not active

**Explanation** The specified route is successfully configured but currently is not active.

**Recommended Action** Check that the route is correct and the outgoing interface is operationally up.

**Error Message** IPV6-6-STARTING: IP configuration Manager started

**Explanation** The IP Configuration Manager service has successfully started.

**Recommended Action** No action is required.

## IP Messages

This section contains the IP messages.

### IP-1

**Error Message** IP-1-DHCP\_CLIENT\_FAILED: dhcp-client failed to get the ip address

**Explanation** Dhcp-client failed to get the ip from server, probably due to server lease unavailability or cable disconnectivity .

**Recommended Action** Ip

### IP-2

**Error Message** IP-2-ALLOC\_MEMORY: Memory allocation failed

**Explanation** The IP Configuration Manager failed to allocate a block of dynamic memory.

**Recommended Action** No action is required.

### IP-3

**Error Message** IP-3-FILE\_WRITE\_FAILED: Writing to file [chars] failed - error: [chars]

**Explanation** Writing to a file failed probably due to no space.

**Recommended Action** Ip

**Error Message** IP-3-INIT\_FAILED: Initialization failed. Component [chars]

**Explanation** The service failed to start. The failure occurred while initializing the component [chars].

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

### IP-4

**Error Message** IP-4-DAD\_FAILED\_EVENT: Duplicate address detected for [chars] on [chars]

**Explanation** Duplicate address detected for IP address.

**Recommended Action** Ip

### IP-6

**Error Message** IP-6-CONFIG\_EVENT: IP Configuration Msg: [chars]

**Explanation** Configuration message that needs to be logged.

**Recommended Action** No action is required.

**Error Message** IP-6-DHCP\_CLIENT\_SUCCESS: dhcp\_client got ip address:[chars],netmask:[chars] for mgmt interface,got from server:[chars]

**Explanation** Dhcp-client is able to get the ip address from server,

**Recommended Action** No action is required.

**Error Message** IP-6-INTERFACE\_DELETED: The interface [chars] has been deleted

**Explanation** The specified interface has been deleted. The service will delete all the configuration on that interface.

**Recommended Action** No action is required.

**Error Message** IP-6-INTERFACE\_EVENT: IP address [chars] [chars] on interface [chars]

**Explanation** The IP address [chars] has been successfully [chars] on the interface [chars].

**Recommended Action** No action is required.

**Error Message** IP-6-ROUTE\_NOT\_ACTIVE: The [chars] is not active

**Explanation** The specified route is successfully configured but currently is not active.

**Recommended Action** Check that the route is correct and the outgoing interface is operationally up.

**Error Message** IP-6-STARTING: IP configuration Manager started

**Explanation** The IP Configuration Manager service has successfully started.

**Recommended Action** No action is required.

## ISNS Messages

This section contains the ISNS messages.

### ISNS-2

**Error Message** ISNS-2-ISNS\_CFS\_OPERATION\_FAILED: isNS CFS [chars] failed

**Explanation** ISNS CFS operation failed

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

**Error Message** ISNS-2-ISNS\_INIT: isNS initialization of [chars] [chars]

**Explanation** ISNS initialization failed

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

## L2FMC Messages

This section contains the L2FMC messages.

## L2FMC-SLOT#-0

**Error Message** L2FMC-SLOT#-0-L2FMC\_CLI\_INIT\_FAILED: CLI library initialization failed!

**Explanation** L2FMC failed to initialize CLI infrastructure\'s backend library. This is a fatal error.

**Recommended Action** No action is required.

**Error Message** L2FMC-SLOT#-0-L2FMC\_TIMER\_INIT\_FAILED: Timer subsystem initialization failed!

**Explanation** L2FMC failed to initialize timer library. This is a fatal error.

**Recommended Action** No action is required.

## L2FMC-SLOT#-2

**Error Message** L2FMC-SLOT#-2-L2FMC\_MEM\_ALLOC: Memory allocation failed. [chars]

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

**Recommended Action** No action is required.

**Error Message** L2FMC-SLOT#-2-L2FMC\_VLAN\_NOT\_FOUND: VLAN [dec] not found in L2FMC database!

**Explanation** L2FMC failed to find VLAN [dec] in its database. L2 MAC learning & aging on VLAN [dec] may be affected.

**Recommended Action** No action is required.

## L2FMC-SLOT#-5

**Error Message** L2FMC-SLOT#-5-L2FMC\_GLBL\_AGE\_CONFIG\_FAIL: Global age value configuration to [dec] seconds failed!

**Explanation** L2FMC failed to configure global default age to [dec] seconds.

**Recommended Action** No action is required.

**Error Message** L2FMC-SLOT#-5-L2FMC\_VLAN\_AGE\_CONFIG\_FAIL: VLAN Age configuration to [dec] seconds failed!

**Explanation** L2FMC failed to configure age for VLAN [dec] to [dec] seconds.

**Recommended Action** No action is required.

## L2FMC-SLOT#-6

**Error Message** L2FMC-SLOT#-6-L2FMC\_GLBL\_AGE\_CONFIGURED: Global age value configured to [dec] seconds.

**Explanation** L2FMC has successfully configured global default age to [dec] seconds.

**Recommended Action** No action is required.

**Error Message** L2FMC-SLOT#-6-L2FMC\_INITIALIZED: Internal state created [chars]

**Explanation** L2FMC has created its internal state stateless/stateful [chars].

**Recommended Action** No action is required.

**Error Message** L2FMC-SLOT#-6-L2FMC\_VDC\_CREATED: VDC [dec] created

**Explanation** Request to create VDC [dec] in L2FMC was successful.

**Recommended Action** No action is required.

**Error Message** L2FMC-SLOT#-6-L2FMC\_VDC\_REMOVED: VDC [dec] Removed

**Explanation** L2FMC has successfully removed VDC [dec] from its databases.

**Recommended Action** No action is required.

**Error Message** L2FMC-SLOT#-6-L2FMC\_VDC\_VLAN\_CREATED: VLAN [dec] created

**Explanation** L2FMC has added VLAN [dec].

**Recommended Action** No action is required.

**Error Message** L2FMC-SLOT#-6-L2FMC\_VDC\_VLAN\_REMOVED: VLAN [dec] removed from VDC [dec]

**Explanation** L2FMC has successfully removed VLAN [dec] from VDC [dec].

**Recommended Action** No action is required.

**Error Message** L2FMC-SLOT#-6-L2FMC\_VLAN\_AGE\_CONFIGURED: Age configured for VLAN [dec] to [dec] seconds.

**Explanation** L2FMC has successfully configured age for VLAN [dec] to [dec] seconds.

**Recommended Action** No action is required.

## L2FM Messages

This section contains the L2FM messages.

### L2FM-0

**Error Message** L2FM-0-L2FM\_CLI\_INITIALIZATION\_FAILED: CLI library initialization failed!

**Explanation** Failed to initialize CLI infrastructure's backend library. This is a fatal error.

**Recommended Action** No action is required.

**Error Message** L2FM-0-L2FM\_VDC\_GWMAC\_GET\_FAILED: Failed to get gwmac for VDC

**Explanation** Failed to get gwmac for VDC.

**Recommended Action** No action is required.

**Error Message** L2FM-0-L2FM\_WRITE\_TO\_PSS\_FAILED\_IN\_PREVIOUS\_INCARNATION: PSS Write Failed in pervious incarnation. Stateful restart not possible

**Explanation** PSS Write Failed in pervious incarnation. Stateful restart not possible

**Recommended Action** No action is required.

## L2FM-1

**Error Message** L2FM-1-L2FM\_MAX\_NUM\_CONFIGURABLE\_MACS\_EXCEEDED: Error: Configurable MACs exceeded [dec] so cannot program. [chars][chars]

**Explanation** Cannot program more than 16 user configured MACs

**Recommended Action** No action is required.

**Error Message** L2FM-1-L2FM\_ORIB\_SENDS\_INCORRECT\_IFIDX: Incorrect ifidx received from Orib. Please check mac [chars] vlan [dec]

**Explanation** L2fm has received a mac insert/delete from Orib with incorrect ifidx. Please check oiv mac entries

**Recommended Action** No action is required.

**Error Message** L2FM-1-L2FM\_OWNER\_NOT\_FOUND: Error : fe owner not found for mac entry [chars] in age notif sent from slot = [dec], fe = [dec]

**Explanation** L2fm has received an age notification from the linecard but does not have the mac owner in its database

**Recommended Action** No action is required.

**Error Message** L2FM-1-L2FM\_SDB\_NOT\_FLUSHED: Error : [dec] mac entries have not flushed from l2fm sdb

**Explanation** Due to an internal error l2fm has not written mac entries to its sdb

**Recommended Action** No action is required.

**Error Message** L2FM-1-L2FM\_SMAC\_DUP\_FOUND: Duplicate static mac found in secondary vlan. P-VLAN:[dec] S-VLAN:[dec] MAC:[chars]

**Explanation** Duplicate static mac found in secondary vlan. P-VLAN:[dec] S-VLAN:[dec] MAC:[chars]

**Recommended Action** No action is required.

**Error Message** L2FM-1-L2FM\_WRITE\_TO\_PSS\_FAILED: Failed to write to PSS err [chars]

**Explanation** Failed to write to PSS err [chars]

**Recommended Action** No action is required.

## L2FM-2

**Error Message** L2FM-2-CONSISTENCY\_CHECK\_L2: CC\_L2: Consistency Check: [chars]

**Explanation** Status of show consistency-checker l2 command

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_AGING\_TIME\_SET\_FAILED: Failed to set age time [dec] for vlan [dec]

**Explanation** Failed to set age time [dec] for vlan [dec].

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_CFS\_OUT\_OF\_ORDER: Error: Received Message for STATIC MAC INSERT/DELETE as Out Of Order from vpc peer due to congestion. Please check mac programming for Router macs.Flup interface-vlans if necessary to correct the programming

**Explanation** Messages over peer-link could be received out of order due to congestion

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_GLBL\_AGING\_TIME\_SET\_FAILED: Failed to set global age time [dec]

**Explanation** Failed to set global age time [dec]

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_GUARD\_VPC\_PEER\_GW\_DEPRECATE: \'mac address-table guard-vpc-peergw-mac\' CLI has been deprecated. Please bringup SVIs on both vPC switches to statically program peer\'s MAC address

**Explanation** CLI has been deprecated from 7.0(3)I7(7) and 9.3(4) releases

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_HASH\_ENTRY\_REMOVAL\_FAILED: Hash entry (%px) removal failed, vlan [dec], mac [chars], hash index [dec]

**Explanation** Hash entry removal failed. Please collect show tech-support l2fm and console logs

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_INVALID\_PORT\_NUM: Invalid port num [dec], max\_ports [dec]

**Explanation** Invalid port num. Please check the card config for this card and collect show tech-support l2fm

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_INVALID\_SLOT\_NUM: Invalid slot num [dec], max\_slots [dec]

**Explanation** Invalid slot num. Please check the card config for this card and collect show tech-support l2fm

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_MAC\_CONF\_INTFLIM\_REACHED: L2 HW table reached its configured capacity - no further new MAC addresses can be installed. Disabling Mac Learn on Interface [chars]

**Explanation** L2 HW table reached its conf capacity - no further new MACs addresses can be programmed on [string] - Macs will Flood



**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_MAC\_CONF\_SYSLIM\_REACHED\_DROP: L2 HW table reached its configured capacity - no further MAC addresses can be installed. Disabling Mac Learn on SYSTEM with Drop Action

**Explanation** L2 HW table reached its conf capacity - no further MAC addresses can be programmed  
- Macs will Drop

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_MAC\_CONF\_SYSLIM\_REACHED: L2 HW table reached its configured capacity - no further MAC addresses can be installed. Disabling Mac Learn on SYSTEM

**Explanation** L2 HW table reached its conf capacity - no further MAC addresses can be programmed  
- Macs will Flood

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_MAC\_CONF\_VLANLIM\_REACHED\_DROP: L2 HW table reached its configured capacity - no further MAC addresses can be installed. Disabling Mac Learn on VLAN [dec] with Drop Action

**Explanation** L2 HW table reached its conf capacity - no further MAC addresses can be programmed  
- Macs will Drop

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_MAC\_CONF\_VLANLIM\_REACHED: L2 HW table reached its configured capacity - no further MAC addresses can be installed. Disabling Mac Learn on VLAN [dec]

**Explanation** L2 HW table reached its conf capacity - no further MAC addresses can be programmed on VLAN [dec] - Macs will Flood

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_MAC\_FLAP\_DISABLE\_LEARN\_2: Possible loops in the network, disabling learning in vlan [dec] for 120s due to rapid mac move. Mac [chars] moved between [chars] and [chars]

**Explanation** Possible loops in the network, MAC(s) in vlan [dec] have moved too many times. Disabling learning for 120s.

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_MAC\_FLAP\_DISABLE\_LEARN\_N3K: Loops detected in the network for mac [chars] among ports [chars] and [chars] vlan [dec] - Disabling dynamic learning notifications for a period between 120 and 240 seconds on vlan [dec]

**Explanation** System detected loops in the network - administration intervention may be required to avoid this problem in future

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_MAC\_FLAP\_DISABLE\_LEARN: Disabling learning in vlan [dec] for 120s due to too many mac moves

**Explanation** MAC(s) in vlan [dec] have moved too many times. Disabling learning for 120s.

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_MAC\_FLAP\_RE\_ENABLE\_LEARN\_N3K: Re-enabling dynamic learning on vlan [dec]

**Explanation** Re enabling learning on all interfaces after disable period expired

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_MAC\_FLAP\_RE\_ENABLE\_LEARN: Re-enabling learning in vlan [dec]

**Explanation** Re-enabling learning in vlan [dec] after 120s timer.

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_MAC\_HW\_INSERT\_FAILURE\_REDUCED: Re-enabling Mac Learn

**Explanation** Re-enabling Mac Learn, more space available after hw insert failure

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_MAC\_HW\_INSERT\_FAILURE\_RE\_ENABLE: Re-enabling Mac Learn after [dec] seconds

**Explanation** Re-enabling Mac Learn, [dec] seconds after hw insert failure

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_MAC\_HW\_INSERT\_FAILURE: L2 HW table insert failure - no further MAC addresses can be installed. Disabling Mac Learn

**Explanation** L2 HW table insert failure - no further MAC addresses could be programmed - Disabling Mac Learn until there is sufficient capacity

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_MAC\_HW\_LIMIT\_REACHED: L2 HW table reached its capacity - no further MAC addresses can be installed. Disabling Mac Learn

**Explanation** L2 HW table reached its capacity - no further MAC addresses could be programmed - Disabling Mac Learn until there is sufficient capacity

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_MAC\_HW\_LIMIT\_REDUCED: Re-enabling Mac Learn

**Explanation** Re-enabling Mac Learn as there is sufficient L2 HW capacity

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_MAC\_LIMIT\_REACHED: Unicast station table dynamic capacity reached (supported limit [dec])

**Explanation** System station table reached its capacity - no further MAC addresses could be programmed - administration intervention may be required to avoid this problem in future

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_MAC\_MOVE\_PORT\_DOWN: Loops detected in the network for mac [chars] among ports [chars] and [chars] vlan [dec] - Port [chars] Disabled on loop detection

**Explanation** System detected loops in the network - administration intervention may be required to avoid this problem in future

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

**Error Message** L2FM-2-L2FM\_MAC\_WITHIN\_CONF\_SYSLIM\_ENABLE: L2 HW table is within 90% configured capacity - Re-enabling SYSTEM flooding

**Explanation** L2 HW table is within conf capacity - Re-enabling Mac flood

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_MAC\_WITHIN\_CONF\_VLANLIM\_ENABLE: L2 HW table is within 90% configured capacity - Re-enabling VLAN [dec] flooding

**Explanation** L2 HW table is within conf capacity - Re-enabling Mac flood

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_PEER\_ID\_INVALID: Invalid peer id, source [chars]

**Explanation** Peer id is zero, which is invalid. Please collect show tech-support nve as well

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_PPF\_FAILED: L2FM Policy failure: [chars]

**Explanation** Policy operation failed in l2fm

**Recommended Action** No DDTS.

**Error Message** L2FM-2-L2FM\_SMAC\_INS\_FAILED\_HW\_VMAC: ERROR: Virtual MAC address usage has hit the hardware limit. No new Virtual MAC addresses can be added! Each interface can have only one virtual MAC address

**Explanation** Failed to insert virtual mac

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_SMAC\_INS\_FAILED\_VMAC: Virtual MAC address usage has hit the maximum limit of [dec]. No new Virtual MAC addresses can be added! VLAN:[dec] MAC:[chars] Interface:[chars] Slot:[dec]

**Explanation** Failed to insert static mac for VLAN:[dec] MAC:[chars] Intf:[chars] Slot:[dec]

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_UPDATE\_LOST\_HINTS: mac [hex]:[hex]:[hex]:[hex]:[hex]:[hex] updated by slot [dec] fe\_index [dec], from [hex] to [hex], with [hex] new hints and loosing %08 old\_hints. stack trace: [chars]

**Explanation** An update from MTM looks inconsistent with the previous state

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_VPC\_FAST\_CONVERGENCE\_NOTIFICATION: vpc fast-convergence is not supported in this release

**Explanation** Vpc fast-convergence is not supported in this release. It will be supported in future releases.

**Recommended Action** No action is required.

**Error Message** L2FM-2-L2FM\_VXLAN\_MAC\_MOVE\_PORT\_DOWN: Loops detected in the network for mac [chars] between NVE and [chars] on vlan [dec] - Port [chars] Disabled on loop detection

**Explanation** System detected loops in the network - administration intervention may be required to avoid this problem in future

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

### L2FM-3

**Error Message** L2FM-3-L2FM\_DOT1X\_MAC\_MOVE\_DENY\_CONFIGURED: Dot1x mac-move changed to deny from allow, please configure the same on peer switch as well(if in VPC topology)

**Explanation** Please configure Dot1x mac move deny on peer vpc

**Recommended Action** No action is required.

**Error Message** L2FM-3-L2FM\_GET\_VLAN\_SEGMENT\_ID\_FAILED: Error: Get vlan\_segment\_id failed for vlan [dec], rc [chars], segment\_id [dec]

**Explanation** Failed to get the vlan\_segment\_id. Please collect show tech-support vlan as well

**Recommended Action** No action is required.

**Error Message** L2FM-3-L2FM\_PEER\_ID\_CREATE\_REQUEST\_FAILED: Error: Peer id create request failed for [chars], rc [chars], segment\_id [dec]

**Explanation** Peer id create request failed. Please collect show tech-support nve as well

**Recommended Action** No action is required.

**Error Message** L2FM-3-L2FM\_PEER\_ID\_DELETE\_REQUEST\_FAILED: Error: Peer id delete request failed for [chars], rc [chars], segment\_id [dec]

**Explanation** Peer id delete request failed. Please collect show tech-support nve as well

**Recommended Action** No action is required.

**Error Message** L2FM-3-L2FM\_STATIC\_MAC\_CONFLICT: Conflict with an existing Static Mac [chars] in vlan [dec] on [chars]

**Explanation** Mac [string] in vlan [dec] is configured on interface [string]

**Recommended Action** No action is required.

## L2FM-4

**Error Message** L2FM-4-L2FM\_CLI\_CLEAR\_MAC\_WARNING: Clearing the mac address table may black-hole traffic on the l2 segments

**Explanation** There is a limitation where there is no mac-lookup after re-write which prevents any l2 flooding of routed traffic when the arp is valid and the mac is not in the bridge table

**Recommended Action** No action is required.

**Error Message** L2FM-4-L2FM\_MAC\_MOVE2: Mac [chars] in vlan [dec] has moved from [chars] to [chars]

**Explanation** Mac [string] in vlan [dec] has moved between [string] and [string]

**Recommended Action** No action is required.

**Error Message** L2FM-4-L2FM\_MAC\_MOVE: Mac [chars] in vlan [dec] has moved from [chars] to [chars]

**Explanation** Mac [string] in vlan [dec] has moved from [string] to [string]

**Recommended Action** No action is required.

**Error Message** L2FM-4-L2FM\_MAC\_PEER\_SYNC\_DB\_FORCE\_FLUSH: Force flush for stale vpc binding! Mac [chars] in vlan [dec] has moved from [chars]

**Explanation** Mac [string] in vlan [dec] has moved from [string]

**Recommended Action** No action is required.

**Error Message** L2FM-4-L2FM\_MAC\_PEER\_SYNC\_DB\_STALE\_RVTEP\_ENTRY: Stale RVTEP binding for Mac [chars] in vlan [dec] from [chars]

**Explanation** Mac [string] in vlan [dec] was moved from [string]

**Recommended Action** No action is required.

## L2FM-5

**Error Message** L2FM-5-L2FM\_EXCESSIVE\_DELAY: L2FM - Excessive Delay in handling opcode: [dec](rr:[hex]) ssap: [chars] - %llu ms

**Explanation** Excessive Delay in handling opcode

**Recommended Action** No action is required.

**Error Message** L2FM-5-L2FM\_MAC\_CONF\_REMOVED\_INTF: The Mac Limit configuration is removed for Interface [chars]

**Explanation** Since the Interface was removed - The Mac Limit configured on the Interface [string] is also removed

**Recommended Action** No action is required.

**Error Message** L2FM-5-L2FM\_MAC\_CONF\_REMOVED\_VLAN: The Mac Limit configuration is removed for VLAN [dec]

**Explanation** Since the Vlan was removed - The Mac Limit configured on the VLAN [dec] is also removed

**Recommended Action** No action is required.

**Error Message** L2FM-5-L2FM\_MAX\_NUM\_MACS\_EXCEEDED: Warn: Number of mac entries approaching 75% HW limit. Please run l2 consistency-checker to check inconsistencies

**Explanation** Number of mac entries approaching HW limit.

**Recommended Action** No action is required.

**Error Message** L2FM-5-L2FM\_VLAN\_MODE\_CHANGE\_TO\_NON\_CONV: Vlan [dec] has been internally changed to non conversational mode on SVI CREATE

**Explanation** Change vlan learning mode to non conversational mode on SVI CREATE

**Recommended Action** No action is required.

**Error Message** L2FM-5-L2FM\_VLAN\_MODE\_REVERTED\_BACK: Vlan [dec] has been internally changed to user configured learning mode on SVI DELETE. Mac entries installed non-optimally due to SVI up will get removed from all FEs once ages out

**Explanation** Change vlan learning mode to user configured value on SVI DELETE

**Recommended Action** No action is required.

## L2FM-6

**Error Message** L2FM-6-L2FM\_DYN\_MAC\_INS\_FAILED: Dynamic mac insertion failure!fail\_cnt: [dec] Slot: [dec]

**Explanation** Failed to insert dynamic macs fail\_cnt:[dec] for Slot:[Slot]

**Recommended Action** No action is required.

**Error Message** L2FM-6-L2FM\_MAC\_TABLE\_THRESHOLD\_NOTIFICATION: Station table reached [dec]% of the total capacity (num entries [dec], total limit [dec])

**Explanation** Station table capacity utilization message as per configured threshold values

**Recommended Action** No action is required.

## L3VM Messages

This section contains the L3VM messages.

### L3VM-2

**Error Message** L3VM-2-L3VM\_NS\_CREATE\_FAILED: Failed to create a new network namespace "[chars]". errno: [dec] ([chars])

**Explanation** Namespace creation failed

**Recommended Action** No action is required.

**Error Message** L3VM-2-L3VM\_NS\_CREATE\_GENERIC\_ERROR: [chars] "[chars]". errno: [dec] ([chars])

**Explanation** Namespace creation generic failure

**Recommended Action** No action is required.

**Error Message** L3VM-2-L3VM\_VRF\_LIMIT\_REACHED: Maximum VRF count reached. Cannot create VRF [chars]. Please delete some unused VRFs before proceeding.

**Explanation** VRF limit failed

**Recommended Action** No action is required.

## L3VM-5

**Error Message** L3VM-5-FP\_TPG\_CREATE: Fabricpath topology [dec] created

**Explanation** FP-Topology created

**Recommended Action** No action is required.

**Error Message** L3VM-5-FP\_TPG\_DELETE: Fabricpath topology [dec] deleted

**Explanation** FP-Topology deleted

**Recommended Action** No action is required.

**Error Message** L3VM-5-FP\_TPG\_INTF\_DOWN: Interface [chars] down in fabricpath topology [dec] [chars]

**Explanation** Interface in a FP-Topology went down

**Recommended Action** No action is required.

**Error Message** L3VM-5-FP\_TPG\_INTF\_UP: Interface [chars] up in fabricpath topology [dec]

**Explanation** Interface in a FP-Topology is up

**Recommended Action** No action is required.

## LACP Messages

This section contains the LACP messages.

### LACP-3

**Error Message** LACP-3-GENERAL\_ERROR: [chars]

**Explanation** General error

**Recommended Action** No action is required.

**Error Message** LACP-3-LACP\_SUSPEND\_HALF\_DUPLEX\_PORT: Port [chars] is in half duplex mode.  
suspend port

**Explanation** LACP is not supported in half duplex mode. Suspend port

**Recommended Action** No action is required.

**Error Message** LACP-3-LACP\_SUSPEND\_MINLINK: LACP port [chars] of port-channel [chars] is  
suspended as min-link requirement not met.

**Explanation** LACP suspend ports due to min-link

**Recommended Action** No action is required.

**Error Message** LACP-3-LACP\_UPGRADE\_READY\_FAILED: Upgrade ready failed.

**Explanation** Upgrade ready event failed because atleast one port channel member is in intermediate  
state.

**Recommended Action** No action is required.

**Error Message** LACP-3-PACKET\_TRANSMIT\_ERR: [chars]: Could not send LACP packet err=[dec]

**Explanation** There was an error in sending LACP packet

**Recommended Action** No action is required.

**Error Message** LACP-3-SYN\_COLL\_DIS\_EN: [chars] [[chars]]: SYNC, COLLECT and DISTRIBUTE flags  
enabled too early by partner

**Explanation** Potential interop issue. Partner system seems to have enabled sync as well collecting or  
distributing flags too early even before actor has selected an aggregator

**Recommended Action** No action is required.

**Error Message** LACP-3-SYSTEM\_MAC\_ERR: [chars]: Could not get system mac[[chars]]

**Explanation** There was an error in acquiring system mac from VDC Mgr

**Recommended Action** No action is required.

## LACP-5

**Error Message** LACP-5-LACP\_DISABLED: LACP Disabled

**Explanation** LACP Service Disabled

**Recommended Action** No action is required.

**Error Message** LACP-5-LACP\_DOES\_NOT\_MEET\_MINLINK\_REQ: LACP port-channel [chars] is brought down  
as min-link requirement not met.

**Explanation** LACP port-channel down as min-link requirement not met

**Recommended Action** No action is required.



**Error Message** LACP-5-LACP\_ENABLED: LACP Enabled

**Explanation** LACP Service Enabled

**Recommended Action** No action is required.

**Error Message** LACP-5-LACP\_MEETS\_MINLINK\_REQ: LACP port-channel [chars] meets min-link requirement. Reint port-channel

**Explanation** LACP port-channel meets min-link requirement

**Recommended Action** No action is required.

**Error Message** LACP-5-LACP\_RATE\_FAST\_NOT\_RECOMENDED: 'lACP rate fast' not recomended if 'vpc peer-link' configured.

**Explanation** Can cause traffic outage

**Recommended Action** No action is required.

**Error Message** LACP-5-LACP\_REMOTE\_NOTIFY\_SUCCESS: Remote notify event.

**Explanation** Remote notify event was successful.

**Recommended Action** No action is required.

**Error Message** LACP-5-LACP\_REMOTE\_PDU\_SEND: Pre/Post ISSU hello sent.

**Explanation** Remote notify event was successful.

**Recommended Action** No action is required.

**Error Message** LACP-5-LACP\_SUSPEND\_INDIVIDUAL: LACP port [chars] of port-channel [chars] not receiving any LACP BPDUs suspending (individual) port

**Explanation** LACP suspend individual ports

**Recommended Action** No action is required.

**Error Message** LACP-5-LACP\_SWITCHOVER\_NOTIFY: LACP switchover start [dec]

**Explanation** LACP switchover notify

**Recommended Action** No action is required.

**Error Message** LACP-5-LACP\_UPGRADE\_READY\_SUCCESS: Upgrade ready successful.

**Explanation** Upgrade ready event is successful as all port channel members are in steady state.

**Recommended Action** No action is required.

**Error Message** LACP-5-PORT\_PRIORITY\_CHANGED: [chars]: LACP port priority changed from [dec] to [dec]

**Explanation** LACP port priority has been changed

**Recommended Action** No action is required.

**Error Message** LACP-5-SYSTEM\_PRIORITY\_CHANGED: LACP system priority changed from [hex] to [hex]

**Explanation** LACP system priority has been changed

**Recommended Action** No action is required.

## LC-SPAN Messages

This section contains the LC-SPAN messages.

### LC-SPAN-3

**Error Message** LC-SPAN-3-ERROR: [chars]

**Explanation** Lc\_span\_mgr encountered an error

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

## LDAP Messages

This section contains the LDAP messages.

### LDAP-2

**Error Message** LDAP-2-LDAP\_PROGRAM\_EXIT: LDAP daemon exiting: [chars]

**Explanation** LDAP daemon is exiting.

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

### LDAP-3

**Error Message** LDAP-3-LDAP\_ERROR\_MESSAGE: [chars]

**Explanation** LDAP Error Message

**Recommended Action** No action is required.

### LDAP-5

**Error Message** LDAP-5-LDAP\_MONITOR\_STATUS: [chars] [chars]

**Explanation** Notifying Ldap server monitor status change

**Recommended Action** No action is required.

**Error Message** LDAP-5-LDAP\_SERVER\_STATUS: [chars] server [chars] with port [dec] status has changed from [chars] to [chars]. Server was in previous-state for [chars], and total dead time of the server is [chars]

**Explanation** Notifying Ldap server status change

**Recommended Action** No action is required.

## LDAP-6

**Error Message** LDAP-6-LDAP\_MESSAGE: [chars]

**Explanation** LDAP Message

**Recommended Action** No action is required.

## LICMGR Messages

This section contains the LICMGR messages.

### LICMGR-0

**Error Message** LICMGR-0-LOG\_LIC\_GRACE\_EXPIRED: Grace period expired for feature [chars].

**Explanation** Unlicensed feature [chars] has exceeded it's grace time period. Applications using will be shut down immediately.

**Recommended Action** Please install the license file to continue using the feature.

### LICMGR-1

**Error Message** LICMGR-1-LOG\_LIC\_LICENSE\_EXPIRED: License expired for feature [chars]. Feature will run in honor mode.

**Explanation** The named feature has exceeded it's time period. Applications using the license will run in honor mode. after exceeded time period.

**Recommended Action** Please install the license file to continue using the feature.

**Error Message** LICMGR-1-LOG\_LIC\_LICENSE\_EXPIRY\_WARNING\_ALERT: License for feature [chars] will expire in [dec] days.

**Explanation** Feature [chars] has very limited time for expiry. Feature will expire in [dec] days.

**Recommended Action** Please install the license file to continue using the feature.

**Error Message** LICMGR-1-LOG\_LIC\_NO\_LIC\_ALERT: No license(s) present for feature [chars]. Application(s) running in grace-period and will be shut down in [dec] days.

**Explanation** Feature [chars] has not been licensed. The feature will work for a grace period of [dec] days after which application(s) using the feature will be shut down.

**Recommended Action** Please install the license file to continue using the feature.

### LICMGR-2

**Error Message** LICMGR-2-LOG\_LICAPP\_EXPIRY\_WARNING: Application [chars] subscription license [chars] expiry in [dec] days.

**Explanation** Application [chars1] will exceed it's subscription time period in [dec] days and will be

shut down after a grace period unless a permanent license for feature [chars2] is installed.

**Recommended Action** Please install the license file to continue using the feature.

**Error Message** LICMGR-2-LOG\_LICAPP\_NOPORT\_LIC: !!!!!!! WARNING: '[chars]' LICENSE NOT FOUND ON THE SYSTEM !!!!!!! You have tried to enable a licensed port without installing the '[chars]' license, which has not been found on the system.

**Explanation** Application [chars1] has not been licensed.

**Recommended Action** Please install the license file to continue using the feature.

**Error Message** LICMGR-2-LOG\_LICAPP\_NO\_LIC: Application [chars] running without [chars] license, shut down in [dec] days.

**Explanation** Application [chars1] has not been licensed. The application will work for a grace period of [dec] days after which it will be shut down unless a license file for feature [chars2] is installed.

**Recommended Action** Please install the license file to continue using the feature.

**Error Message** LICMGR-2-LOG\_LIC\_EXIT: License manager exiting: [chars]

**Explanation** License manager exiting.

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

**Error Message** LICMGR-2-LOG\_LIC\_INVALID\_SERVER\_LINE: License file [chars] contains invalid "SERVER" line. Contact TAC

**Explanation** Invalid SERVER line in license file.

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

**Error Message** LICMGR-2-LOG\_LIC\_MISSING\_WARNING: A feature that requires [chars] license is not installed. System supports honor based licensing so feature will continue to be fully functional. Use 'show license usage ' to find features using missing license.

**Explanation** Open environment platform requires a license to run NXOS. Please get a license and install it. Features will be running in honor mode.

**Recommended Action** Please install the license file to continue using the feature.

**Error Message** LICMGR-2-LOG\_LIC\_NO\_LIC: No license(s) present for feature [chars]. Application(s) shut down in [dec] days.

**Explanation** Feature [chars] has not been licensed. The feature will work for a grace period of [dec] days after which application(s) using the feature will be shut down.

**Recommended Action** Please install the license file to continue using the feature.

**Error Message** LICMGR-2-LOG\_LIC\_NO\_OE\_LICENSE: Missing license to run NXOS on open environment platform, will be shut down in [dec] days.

**Explanation** Open environment platform requires a license to run NXOS. Please get a license and

instal it. Features will not be able to function properly, the box will shut down after few days unless licensed.

**Recommended Action** Please install the license file to continue using the feature.

**Error Message** LICMGR-2-LOG\_LIC\_NVRAM\_DISABLED: Licensing NVRAM is not available. Grace period will be disabled: [chars]

**Explanation** The Supervisor NVRAM block may have a hardware problem and may need to be replaced

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

**Error Message** LICMGR-2-LOG\_LIC\_VENDOR\_DOWN: License file contains invalid "SERVER" line. Vendor daemon down

**Explanation** Vendor daemon is down

**Recommended Action** Licensing

## LICMGR-3

**Error Message** LICMGR-3-LOG\_LIC\_FILE\_MISSING: License file(s) missing for feature [chars].

**Explanation** One or more license files for feature [chars] are missing and must be reinstalled.

**Recommended Action** Please install the license file to continue using the feature.

**Error Message** LICMGR-3-LOG\_LIC\_INVALID\_HOSTID: Invalid license hostid VDH=[chars] for feature [chars].

**Explanation** Feature [chars2] has a license with an invalid license hostid VDH=[chars1]. This can occur if a supervisor card with licensed features for one switch is installed on another switch.

**Recommended Action** No action is required.

**Error Message** LICMGR-3-LOG\_LIC\_MESSAGE\_ERROR: could not handle message: [chars] of type [dec] from addr [dec]:[dec].

**Explanation** Could not handle a IPC message [chars] of type [dec1] sent by a component running on node [dec2] with sap [dec3].

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

**Error Message** LICMGR-3-LOG\_LIC\_SERVER\_DOWN: License Server Down [dec]

**Explanation** A connection to the license server was lost.

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

**Error Message** LICMGR-3-LOG\_LIC\_SPROM\_LIC: Feature [chars] issued [dec] licenses without a valid license file.

**Explanation** Feature [chars] has been licensed [dec] times without a valid license file. This means one or more license files are missing for feature [chars] and must be reinstalled.

**Recommended Action** Please install the license file to continue using the feature.

**Error Message** LICMGR-3-LOG\_LIC\_TOO\_MANY\_LIC: Only [dec] licenses are supported for [chars] feature, where as [dec] licenses are installed.

**Explanation** More licenses are installed than allowed.

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

## LICMGR-4

**Error Message** LICMGR-4-LOG\_LIC\_LICENSE\_EXPIRY\_WARNING: License for feature [chars] will expire in [dec] days.

**Explanation** Feature [chars] will exceed period in [dec] days.

**Recommended Action** Please install the license file to continue using the feature.

## LICMGR-6

**Error Message** LICMGR-6-LOG\_CHECKPOINT\_CREATED: auto checkpoint [chars] created during license expiry.

**Explanation** When a license expires, auto checkpoint is created to prevent configuration loss.

**Recommended Action** Rollback can be done to the created checkpoint when a new license is installed.

**Error Message** LICMGR-6-LOG\_LIC\_FEATURE\_CLEARED: Cleared [dec] license(s) for feature [chars].

**Explanation** Uninstalled [dec] license(s) for feature [chars].

**Recommended Action** Use the 'show license usage' command to verify this license feature removal.

**Error Message** LICMGR-6-LOG\_LIC\_FEATURE\_INSTALLED: Installed [dec] license(s) for feature [chars].

**Explanation** Installed [dec] license(s) for feature [chars].

**Recommended Action** Use the 'show license usage' command to verify this license feature installation.

**Error Message** LICMGR-6-LOG\_LIC\_LICENSE\_CLEARED\_ALL: Cleared all licenses.

**Explanation** Cleared all license files.

**Recommended Action** No action is required.

**Error Message** LICMGR-6-LOG\_LIC\_LICENSE\_CLEARED: Cleared license file [chars].

**Explanation** Uninstalled the named license file.

**Recommended Action** Use the 'show license' command to verify this license removal.

**Error Message** LICMGR-6-LOG\_LIC\_LICENSE\_INSTALLED: Installed license file [chars].

**Explanation** Installed the named license file.

**Recommended Action** Use the 'show license' command to verify this license installation.

## M6RIB Messages

This section contains the M6RIB messages.

### M6RIB-4

**Error Message** M6RIB-4-NBM\_TOKEN\_ALLOCATION\_FAILED: No tokens available for new group [chars]

**Explanation** No tokens available for new group [chars]

**Recommended Action** No action is required.

## MCAST Messages

This section contains the MCAST messages.

### MCAST-2

**Error Message** MCAST-2-SHUTDOWN: Process shutting down: [chars]

**Explanation** Mcast is shutting down

**Recommended Action** The action depends on the situation. The multicast process can shut down gracefully because of a system restart (in which case no action needs to take place) or because of a failure. The message associated with the syslog should be self explanatory to understand the reason for the shutdown. If the process is able to restart properly, there is no immediate harm for the system stability and the suggested action is to report the syslog event together with an explanation of the operations most recently performed on the system.

### MCAST-4

**Error Message** MCAST-4-ERROR: [chars]

**Explanation** Mcast encountered a generic error

**Recommended Action** No action is required.

### MCAST-5

**Error Message** MCAST-5-BAD\_MSG: Received bad message: [chars]

**Explanation** Mcast has received a malformed/unrecognized message

**Recommended Action** No action is required.

**Error Message** MCAST-5-START: Process has been started

**Explanation** Mcast has been started

**Recommended Action** No action is required.

## MFDM Messages

This section contains the MFDM messages.

### MFDM-2

**Error Message** MFDM-2-DI\_REUSE: LTL node exists with DI [hex] oiflist\_index [hex] type [dec] and same DI returned for oiflist\_index [hex] type [dec] Please collect show tech-support forwarding multicast and show tech-support pixm.

**Explanation** PIXM returned duplicate DI.

**Recommended Action** No action is required.

**Error Message** MFDM-2-DOWNLOAD\_TIMEOUT: Download of L2/L3 route databases timed out : download\_in\_progress\_slots [hex] for database [chars] [chars] [chars]

**Explanation** Download of L2/L3 route databases timed out. Download triggered by VMM insert request.

**Recommended Action** No action is required.

**Error Message** MFDM-2-INTERNAL\_ERROR: MFDM-[chars] Internal error : show system internal mfdm errors for more information

**Explanation** MFDM PD hit a internal error. show system internal mfdm errors for futher analysis.

**Recommended Action** No action is required.

**Error Message** MFDM-2-MAX\_OIFS\_LIMIT\_REACHED: A route or more in your system has more than [dec] oifs that is the max currently supported. This may lead to inconsistencies between MRIB and MFIB since the route will not be updated in HW. Plese reduce the scale

**Explanation** Received route with too many OIFs

**Recommended Action** No action is required.

**Error Message** MFDM-2-MFDM\_NVE\_DSG\_VP\_LIMIT\_REACHED: All available NVE DSG VPs ([dec]) are used. Failed to allocate VP for group [chars], oif [chars]. Please reduce the VxLAN multicast group scale

**Explanation** There are too many OIFs for VXLAN DSG entries

**Recommended Action** No action is required.

**Error Message** MFDM-2-MFDM\_NVE\_INIT\_FAILED: INIT with NVE is Failed. Need reload

**Explanation** MFDM not register with vxlan



**Recommended Action** No action is required.

**Error Message** MFDM-2-MFDM\_PIM\_BIDIR\_NOT\_SUPPORTED: Current release does support PIM BIDIR route ([chars], [chars]) df\_ordinal ([dec])

**Explanation** Current release does support PIM BIDIR route

**Recommended Action** No action is required.

**Error Message** MFDM-2-REF\_OUTOFSYNC: In Decrement ltl\_node ref\_count: [dec] is less than count: [dec] passed in for DI: [hex], oiflist\_index: [hex], type: [dec]. Possible PI/PD refcount out-of-sync. Please collect show tech-support forwarding multicast and show tech-support pixm.

**Explanation** MFDM PI/PD refcount out-of-sync

**Recommended Action** No action is required.

## MODULE Messages

This section contains the MODULE messages.

### MODULE-1

**Error Message** MODULE-1-MOD\_PORT\_TYPE\_CHANGE\_FC\_INFO: Please enable feature-set fcoe-npv or fcoe to change port type to fc. If already done please ignore

**Explanation** Port type fc will work only after enabling feature-set fcoe-npv. To convert ports to FC, please enable feature-set fcoe-npv

**Recommended Action** Install feature-set fcoe-np followed by feature-set fcoe-npv. If already done no further action is required. Ports will come up in FC mode

### MODULE-2

**Error Message** MODULE-2-LCM\_PRE\_UPGRADE\_GENERAL\_FAIL: Pre upgrade message fails seq [dec]

**Explanation** Pre upgrade message failed.

**Recommended Action** No action is required.

**Error Message** MODULE-2-LCM\_UPGRADE\_DONE\_GENERAL\_FAIL: Upgrade done message fails SAP [chars]

**Explanation** Upgrade ready message failed.

**Recommended Action** No action is required.

**Error Message** MODULE-2-LCM\_UPGRADE\_OVER\_FAIL: Upgrade over message returned [dec] [hex] for SAP [chars]

**Explanation** Upgrade done message failed.

**Recommended Action** No action is required.

**Error Message** MODULE-2-LCM\_UPGRADE\_READY\_FAIL: Upgrade ready message returned [dec] [hex] for SAP [chars]

**Explanation** Upgrade ready message failed.

**Recommended Action** No action is required.

**Error Message** MODULE-2-LCM\_UPGRADE\_READY\_GENERAL\_FAIL: Upgrade ready message fails SAP [chars]

**Explanation** Upgrade ready message failed.

**Recommended Action** No action is required.

**Error Message** MODULE-2-LCM\_UPG\_DBG\_LOG: Sending upgrade [chars] request to service [chars] for slot [dec].

**Explanation** LCM sent upgrade request for the sap mentioned.

**Recommended Action** No action is required.

**Error Message** MODULE-2-MOD\_DIAG\_FAIL: Module [dec] (Serial number: [chars]) reported failure [chars] due to [chars] in device [chars] (device error [hex])

**Explanation** The module in slot [decimal digit] reported a failure in the runtime diagnostic. Module manager is going to power cycle the module.

**Recommended Action** Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

**Error Message** MODULE-2-MOD\_DNLD\_FAIL: Image download failed for module [dec] (Serial number: [chars])

**Explanation** Module [decimal digit] failed to download a new image from the supervisor.

**Recommended Action** Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

**Error Message** MODULE-2-MOD\_FAILURE: Re-initializing module [dec] (Serial number: [chars]) failed. Received lc\_failed from sap [chars] failure reason [hex]

**Explanation** Module [decimal digit] reported a failure during the initialization phase and will be rebooted.

**Recommended Action** Collect information about the module by issuing the commands 'show module\_internal all module '.

**Error Message** MODULE-2-MOD\_FAIL: Initialization of module [dec] (Serial number: [chars]) failed

**Explanation** Module [decimal digit] reported a failure during the initialization phase and will be powered down.

**Recommended Action** Collect information about the module by issuing the commands 'show module\_internal all module '.

**Error Message** MODULE-2-MOD\_MAJORSWFAIL: Module [dec] (Serial number: [chars]) reported a critical failure in service [chars]

**Explanation** A critical failure in service [string] happened at module [decimal digit] is going to reset the module [decimal digit].

**Recommended Action** Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

**Error Message** MODULE-2-MOD\_MINORSWFAIL: Module [dec] (Serial number: [chars]) reported a failure in service [chars]

**Explanation** A non-critical failure in service [string] happened at module [decimal digit] is not going to reset the module [decimal digit].

**Recommended Action** Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

**Error Message** MODULE-2-MOD\_NOT\_ALIVE: Module [dec] not responding... resetting (Serial number: [chars])

**Explanation** Module [decimal digit] is not replying to the hello message: module manager is then going to reset the module.

**Recommended Action** No action is required.

**Error Message** MODULE-2-MOD\_REGFAILED: Registration failed for module [dec]

**Explanation** Module [decimal digit] sent the registration message notifying a failure.

**Recommended Action** Collect module internal information by issuing the command 'show module internal all module [decimal digit]'.

**Error Message** MODULE-2-MOD\_SOMEPORTS\_FAILED: Module [dec] (Serial number: [chars]) reported failure on ports [chars] ([chars]) due to [chars] in device [chars] (device error [hex])

**Explanation** Module [decimal digit] reported a failure in the runtime diagnostic due to failure in some of the ports.

**Recommended Action** Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

**Error Message** MODULE-2-MOD\_UNKNOWN: Module type [[dec]] in slot [dec] is not supported

**Explanation** The software card id of module [decimal digit] is not supported by the supervisor.

**Recommended Action** Collect information about the module by issuing the commands 'show module internal all module [decimal digit]'

**Error Message** MODULE-2-SE\_FAILURE: Factory reset operations for module [dec] failed

**Explanation** Module persistent storage erase, repartion, and reformat 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.

**Error Message** MODULE-2-SE\_TIMEOUT: Factory reset operations for module [dec] timed out

**Explanation** Module persistent storage erase, repartion, and reformat failed to complete in time

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

**Error Message** MODULE-2-SPROM\_MISMATCH: Module [dec] SPROM mismatch. More info in [chars]

**Explanation** Module SPROM mismatch from expected

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

**Error Message** MODULE-2-XBAR\_DIAG\_FAIL: Xbar [dec] (Serial number: [chars]) reported failure [chars] due to [chars] in device [chars] (device error [hex])

**Explanation** The xbar in slot [decimal digit] reported a failure in the runtime diagnostic. Module manager is going to power cycle the module.

**Recommended Action** Collect information about the module by issuing the command 'show module internal all xbar [decimal digit]'.

**Error Message** MODULE-2-XBAR\_FAILURE: Re-initializing xbar [dec] (Serial number: [chars]) failed. Received lc\_failed from sap [chars] failure reason [hex]

**Explanation** Xbar [decimal digit] reported a failure during the initialization phase and will be rebooted.

**Recommended Action** Collect information about the module by issuing the commands 'show module\_internal all xbar '.

**Error Message** MODULE-2-XBAR\_FAIL: Initialization of xbar [dec] (Serial number: [chars]) failed

**Explanation** Xbar [decimal digit] reported a failure during the initialization phase and will be powered down.

**Recommended Action** Collect information about the module by issuing the commands 'show module\_internal all xbar '.

**Error Message** MODULE-2-XBAR\_SOMEPORTS\_FAILED: Xbar [dec] (Serial number: [chars]) reported failure on ports [chars] ([chars]) due to [chars] in device [chars] (error [hex])

**Explanation** Xbar [decimal digit] reported a failure in the runtime diagnostic due to failure in some of the ports.

**Recommended Action** Collect information about the module by issuing the command 'show module internal all xbar [decimal digit]'.

**Error Message** MODULE-2-XBAR\_UNKNOWN: Xbar type [[dec]] in slot [dec] is not supported

**Explanation** The software card id of xbar [decimal digit] is not supported by the supervisor.

**Recommended Action** Collect information about the module by issuing the commands 'show module internal all xbar [decimal digit]'

## MODULE-3

**Error Message** MODULE-3-LCM\_SEQ\_ERROR: Error ([chars]) for slot:[dec] while communicating with component [chars] opcode:[chars] (for:[dec])

**Explanation** LCM encountered an error while executing a sequence for a module.

**Recommended Action** No action is required.

**Error Message** MODULE-3-LCM\_SYSLOG\_ERR: [chars]

**Explanation** LCM encountered an error while processing a message for module.

**Recommended Action** No action is required.

**Error Message** MODULE-3-MOD\_SRG\_NOT\_COMPATIBLE: Module [dec] (Serial number: [chars]) firmware is not compatible with supervisor, downloading new image

**Explanation** The software version of module [decimal digit] is not supported by the supervisor.

**Recommended Action** Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

## MODULE-4

**Error Message** MODULE-4-MOD\_IMG\_VER\_MISMATCH: Module [dec] (Serial number: [chars]) image version mismatch with supervisor, mage version in the linecard is [chars] Image version in the sup is [chars] download image with same version as supervisor

**Explanation** The software version of module [decimal digit] should match the software version in supervisor.

**Recommended Action** Download image in module with the same version as supervisor

**Error Message** MODULE-4-MOD\_WARNING: Module [dec] (Serial number: [chars]) reported warning [chars] due to [chars] in device [chars] (device error [hex])

**Explanation** Module [decimal digit] reported a warning in the runtime diagnostic due to failure in some of the ports.

**Recommended Action** Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

**Error Message** MODULE-4-SE\_START: Factory reset operations started for module [dec]

**Explanation** Module persistent storage erase, repartion, and reformat is in progress

**Recommended Action** No action is required.

**Error Message** MODULE-4-SE\_SUCCESS: Factory reset operations for module [dec] succeeded

**Explanation** Module persistent storage erase, repartion, and reformat is complete

**Recommended Action** No action is required.

**Error Message** MODULE-4-XBAR\_WARNING: Xbar [dec] (Serial number: [chars]) reported warning [chars] due to [chars] in device [chars] (device error [hex])

**Explanation** Xbar [decimal digit] reported a warning in the runtime diagnostic due to failure in some of the ports.

**Recommended Action** Collect information about the module by issuing the command 'show module internal all xbar [decimal digit]'.

## MODULE-5

**Error Message** MODULE-5-ACTIVE\_SUP\_OK: Supervisor [dec] is active (Serial number: [chars])

**Explanation** Module [decimal digit] is ready to be configured and be able to switch traffic.

**Recommended Action** No action is required.

**Error Message** MODULE-5-LCM\_MODULE\_UPGRADE\_END: Upgrade of module [dec] ended

**Explanation** Upgrade of the module has ended.

**Recommended Action** No action is required.

**Error Message** MODULE-5-LCM\_MODULE\_UPGRADE\_START: Upgrade of module [dec] started

**Explanation** Upgrade of the module has been started by installer

**Recommended Action** No action is required.

**Error Message** MODULE-5-MOD\_OK: Module [dec] is online (Serial number: [chars])

**Explanation** Module [decimal digit] is ready to be configured and be able to switch traffic.

**Recommended Action** No action is required.

**Error Message** MODULE-5-MOD\_REINIT: Re-initializing module [dec] (Serial number: [chars])

**Explanation** Module [decimal digit] reported a failure during the initialization phase and will be rebooted.

**Recommended Action** Collect information about the module by issuing the commands 'show module\_internal all module '.

**Error Message** MODULE-5-MOD\_RESTART: Module [dec] is restarting after image download

**Explanation** Module [decimal digit] completed image download and is restarting.

**Recommended Action** No action is required.

**Error Message** MODULE-5-MOD\_STARTUP\_CFG\_MISMATCH: The startup configuration cannot be applied to a different module type for module [dec] (Serial number: [chars]). [chars] module is replacing [chars].

**Explanation** The startup configuration for module [decimal digit] contains information about a different type of module instead of containing information about the current one.

**Recommended Action** No action is required.

**Error Message** MODULE-5-STANDBY\_SUP\_OK: Supervisor [dec] is standby

**Explanation** Module [decimal digit] is ready to be configured and be able to switch traffic.

**Recommended Action** No action is required.

**Error Message** MODULE-5-XBAR\_OK: Xbar [dec] is online (Serial number: [chars])

**Explanation** Xbar [decimal digit] is ready to be configured and be able to switch traffic.

**Recommended Action** No action is required.

**Error Message** MODULE-5-XBAR\_REINIT: Re-initializing xbar [dec] (Serial number: [chars])

**Explanation** Xbar [decimal digit] reported a failure during the initialization phase and will be rebooted.

**Recommended Action** Collect information about the module by issuing the commands 'show module\_internal all xbar '.

## MODULE-6

**Error Message** MODULE-6-MOD\_PURGE\_CONFIG: Purging the configuration for module [dec]

**Explanation** Notification is being sent to remove the module configurations.

**Recommended Action** No action is required.

**Error Message** MODULE-6-MOD\_REG\_OK: Registration succeeded for module [dec]

**Explanation** Module [decimal digit] sent a successful registration message.

**Recommended Action** No action is required.

## MRIB Messages

This section contains the MRIB messages.

### MRIB-4

**Error Message** MRIB-4-NBM\_TOKEN\_ALLOCATION\_FAILED: No tokens available for new group [chars]

**Explanation** No tokens available for new group [chars]

**Recommended Action** No action is required.

## NFM Messages

This section contains the NFM messages.

### NFM-1

**Error Message** NFM-1-RTP\_FLOW\_ERROR\_DETECTED: Flow SIP: [chars] DIP: [chars] Interface: [chars] Vrf: [chars] loss detected

**Explanation** Loss detected in RTP flow

**Recommended Action** No action is required.

**Error Message** NFM-1-RTP\_FLOW\_ERROR\_STOP: Flow SIP: [chars] DIP: [chars] Interface: [chars] Vrf: [chars] loss no longer detected

**Explanation** Loss no longer detected in RTP flow

**Recommended Action** No action is required.

## NFM-2

**Error Message** NFM-2-COMMIT\_FAIL: Commit failed: client [hex], [chars]

**Explanation** The DDB commit failed

**Recommended Action** No action is required.

**Error Message** NFM-2-DDB\_FAILURE: DDB failure: [chars]

**Explanation** A DDB generated failure

**Recommended Action** No action is required.

**Error Message** NFM-2-EXITING: Exit reason: [chars]

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

**Recommended Action** No action is required.

**Error Message** NFM-2-INIT\_FAIL: NFM Service Init failed: [chars] error [hex]

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

**Recommended Action** No action is required.

**Error Message** NFM-2-MALLOC\_ERROR: Function [chars]: Size [dec] bytes

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

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

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

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

**Recommended Action** No action is required.

**Error Message** NFM-2-VERIFY\_FAIL: Verify failed - Client [hex], Reason: [chars], Interface: [chars]

**Explanation** The DDB Verify failed

**Recommended Action** No action is required.

## NFM-3

**Error Message** NFM-3-DDB\_ERROR: DDB error: [chars]

**Explanation** The DDB generated error



**Recommended Action** No action is required.

**Error Message** NFM-3-FEATURE\_MANAGER\_ERROR: [chars]: An error occurred processing a Feature Manager msg - error [chars]

**Explanation** An error occurred while processing a message from FEATURE Manager

**Recommended Action** No action is required.

**Error Message** NFM-3-HANDLE\_IN\_USE: [chars]: name: [chars]

**Explanation** The NFM service encountered a handle that was in use while reading a persistent storage database.

**Recommended Action** No action is required.

**Error Message** NFM-3-INVALID\_HANDLE: [chars]: handle =[hex]

**Explanation** The NFM service encountered an invalid handle in a persistent storage database.

**Recommended Action** No action is required.

**Error Message** NFM-3-MONITOR\_NOT\_FOUND: Monitor with handle [hex] from source [hex]

**Explanation** An Export Msg from a Linecard contained an invalid Monitor handle

**Recommended Action** No action is required.

**Error Message** NFM-3-MTS\_ERROR: NFM encountered the following MTS error: [chars]

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

**Recommended Action** No action is required.

**Error Message** NFM-3-NFM\_CONFIG\_ERROR: [chars]

**Explanation** L2 Netflow config is applied on Port-channel with F1 Line Cards only - error

**Recommended Action** No action is required.

**Error Message** NFM-3-NFM\_DDB\_ERROR: DDB error: [chars]

**Explanation** The DDB generated error

**Recommended Action** No action is required.

**Error Message** NFM-3-PSS\_CORRUPTED: [chars] PSS found corrupted

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

**Recommended Action** No action is required.

**Error Message** NFM-3-VLAN\_PARSE\_ERROR: [chars]: An error occurred processing a VLAN Mgr Parse msg [hex]

**Explanation** An error occurred while processing a message from VLAN Manager

**Recommended Action** No action is required.

## NFM-4

**Error Message** NFM-4-DDB\_WARNING: DDB warning: [chars]

**Explanation** The DDB generated warning

**Recommended Action** No action is required.

**Error Message** NFM-4-LICENSE\_EXPIRED: The License has expired.

**Explanation** The NFM service requires a License to run and exits when the License expires.

**Recommended Action** No action is required.

**Error Message** NFM-4-NFM\_DDB\_WARNING: DDB warning: [chars]

**Explanation** The DDB generated warning

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

## NFM-5

**Error Message** NFM-5-FEATURE\_DISABLED: Feature '[chars]' is Disabled.

**Explanation** NetFlow/Analytics Feature is Disabled.

**Recommended Action** No action is required.

**Error Message** NFM-5-FEATURE\_ENABLED: Feature '[chars]' is Enabled.

**Explanation** NetFlow/Analytics Feature is Enabled.

**Recommended Action** No action is required.

## NFM-6

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

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

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

**Error Message** NFM-6-DDB\_NOTIF: DDB notification: [chars]

**Explanation** The DDB generated notification

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

**Error Message** NFM-6-NFM\_DDB\_NOTIF: DDB notification: [chars]

**Explanation** The DDB generated notification

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

**Error Message** NFM-6-SRV\_EXIT: NFM Service shutting down gracefully

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

**Recommended Action** No action is required.

**Error Message** NFM-6-SWITCH\_OVER: Switching Over to other Sup.

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

**Recommended Action** No action is required.

## NFM-7

**Error Message** NFM-7-DEBUG: [chars]

**Explanation** Debug information is being sent to syslog

**Recommended Action** No action is required.

## NFP Messages

This section contains the NFP messages.

### NFP-SLOT#-2

**Error Message** NFP-SLOT#-2-FTEC\_DDB\_ERR: [chars]([dec]): fte ddb error.[chars] [hex]

**Explanation** Fte ddb error

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

**Error Message** NFP-SLOT#-2-FTEC\_ERR: [chars]([dec]): fte error.[chars] [hex]

**Explanation** Fte error occurred

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

**Error Message** NFP-SLOT#-2-NF\_ACL\_ERR: [chars]([dec]): acl error. [chars]

**Explanation** Acl error

**Recommended Action** No DDTS.

**Error Message** NFP-SLOT#-2-NF\_DDB\_ERR: [chars]([dec]): ddb error.[chars] [hex]

**Explanation** Ddb error

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

**Error Message** NFP-SLOT#-2-NF\_ERR: [chars]([dec]): nfp error. [chars]

**Explanation** Nfp error occurred

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

**Error Message** NFP-SLOT#-2-NF\_FIB\_ERR: [chars]([dec]): fib error. [chars]

**Explanation** Fib error

**Recommended Action** No DDTS.

**Error Message** NFP-SLOT#-2-NF\_NDE\_ERR: [chars]([dec]): nde error. [chars]

**Explanation** Nde error

**Recommended Action** No DDTS.

**Error Message** NFP-SLOT#-2-NF\_NFM\_ERR: [chars]([dec]): nfm error. [chars]

**Explanation** Nfm error

**Recommended Action** No DDTS.

**Error Message** NFP-SLOT#-2-NF\_QOS\_ERR: [chars]([dec]): qos error. [chars]

**Explanation** Qos error

**Recommended Action** No DDTS.

## NFP-SLOT#-5

**Error Message** NFP-SLOT#-5-NF\_INFO: [chars]

**Explanation** Info

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

## NTP Messages

This section contains the NTP messages.

### NTP-2

**Error Message** NTP-2-NTP\_SYSLOG\_CRIT\_ERR: : [chars]

**Explanation** NTP syslog Critical Error : [chars].

**Recommended Action** No action is required.

**Error Message** NTP-2-NTP\_SYSLOG\_INIT\_FAIL: : [chars] [chars]

**Explanation** NTP Initialization Failed: [chars] [chars].

**Recommended Action** No action is required.

**Error Message** NTP-2-NTP\_SYSLOG\_NO\_RESP\_FROM\_LC: from LC[dec] for [chars]

**Explanation** NTP did not receive response from the linecard for the request sent.

**Recommended Action** No action is required.

### NTP-3

**Error Message** NTP-3-NTP\_SYSLOG\_ALLOC\_FAIL: : [chars]

**Explanation** NTP syslog allocation failed : [chars].

**Recommended Action** No action is required.

**Error Message** NTP-3-NTP\_SYSLOG\_ERR\_EXT: : [chars] [chars]

**Explanation** NTP syslog Error Exit : [chars] [dec].

**Recommended Action** No action is required.

**Error Message** NTP-3-NTP\_SYSLOG\_ERR: : [chars]

**Explanation** NTP syslog Error : [chars].

**Recommended Action** No action is required.

**Error Message** NTP-3-NTP\_SYSLOG\_MTS\_ERR: : [chars]

**Explanation** NTP MTS Error : [chars].

**Recommended Action** No action is required.

## **NTP-6**

**Error Message** NTP-6-NTP\_SYSLOG\_CREATED: : [chars]; Slot No: [dec]

**Explanation** NTP syslog created : [chars] [chars].

**Recommended Action** No action is required.

**Error Message** NTP-6-NTP\_SYSLOG\_EXIT: : [chars]

**Explanation** NTP syslog Exit : [chars].

**Recommended Action** No action is required.

**Error Message** NTP-6-NTP\_SYSLOG\_LOGGING: : [chars]

**Explanation** NTP logging : [chars].

**Recommended Action** No action is required.

**Error Message** NTP-6-NTP\_SYSLOG\_WARN: : [chars]

**Explanation** NTP syslog Warning : [chars].

**Recommended Action** No action is required.

## **NTP-7**

**Error Message** NTP-7-NTP\_SYSLOG\_DEBUG: : [chars]

**Explanation** NTP debug : [chars].

**Recommended Action** No action is required.

## **OTM Messages**

This section contains the OTM messages.

### **OTM-2**

**Error Message** OTM-2-OTM\_EEM\_FAIL: OTM failed to register with EEM

**Explanation** OTM process failed to register with eem, exiting now

**Recommended Action** No action is required.

### **OTM-3**

**Error Message** OTM-3-OTM\_ERROR: [chars] [chars]

**Explanation** [chars1][chars2]

**Recommended Action** No action is required.

## OTM-5

**Error Message** OTM-5-OTM\_OBJECT\_STATUS: Status of tracking object [dec] changed to [chars]

**Explanation** Status of tracking object [dec] changed to [chars]

**Recommended Action** No action is required.

**Error Message** OTM-5-OTM\_OBJ\_ADD: : Tracking object [dec] configured, status of the object [chars]

**Explanation** Tracking Object [dec] configured, status of the object [chars]

**Recommended Action** No action is required.

## OTM-6

**Error Message** OTM-6-OTM\_EXITED: OTM process exited

**Explanation** OTM process is terminated

**Recommended Action** No action is required.

**Error Message** OTM-6-OTM\_OBJ\_REM: : Tracking object [dec] removed

**Explanation** Tracking Object [dec] removed

**Recommended Action** No action is required.

**Error Message** OTM-6-OTM\_STARTED: OTM process started

**Explanation** OTM process is up and running

**Recommended Action** No action is required.

**Error Message** OTM-6-OTM\_TRACK\_START: Client started tracking object [dec]

**Explanation** Client has started tracking object [dec]

**Recommended Action** No action is required.

**Error Message** OTM-6-OTM\_TRACK\_STOP: Client stopped tracking object [dec]

**Explanation** Client has stopped tracking object [dec]

**Recommended Action** No action is required.

## PIXM Messages

This section contains the PIXM messages.

## PIXM-2

**Error Message** PIXM-2-PIXM\_SYSLOG\_MESSAGE\_TYPE\_CRIT: [chars]

**Explanation** PIXM has encountered a critical error

**Recommended Action** Please collect PIXM tech support using 'show tech pixm-all' and 'show tech pixmc-all'

## PIXM-3

**Error Message** PIXM-3-PIXM\_SYSLOG\_MESSAGE\_TYPE\_ERR: [chars]

**Explanation** PIXM has encountered a error

**Recommended Action** Please collect PIXM tech support using 'show tech pixm-all' and 'show tech pixmc-all'

## PIXM-4

**Error Message** PIXM-4-PIXM\_SYSLOG\_MESSAGE\_TYPE\_WARNING: [chars]

**Explanation** PIXM has encountered a warning-level error

**Recommended Action** Please collect PIXM tech support using 'show tech pixm-all' and 'show tech pixmc-all'

## PIXM-7

**Error Message** PIXM-7-PIXM\_SYSLOG\_MESSAGE\_TYPE\_DEBUG: [chars]

**Explanation** This is a debug output from PIXM

**Recommended Action** Please collect PIXM tech support using 'show tech pixm-all' and 'show tech pixmc-all'

## PLATFORM Messages

This section contains the PLATFORM messages.

### PLATFORM-0

**Error Message** PLATFORM-0-CHASSIS\_CLKSWITCH: Hardware clock switched to redundant clock-[dec]

**Explanation** Clock module on chassis deteted a failure and switched to redundant clock module.

**Recommended Action** Please perform a 'show platform internal info' to collect more information.

**Error Message** PLATFORM-0-CHASSIS\_CLKSWRESET: Switch reset due to clock switch

**Explanation** Chassis clock source has failed and system will be reset. System will automatically start using redundant clock module.



**Recommended Action** Please refer to the platform document on clock modules.

**Error Message** PLATFORM-0-CHASSIS\_CLKSW\_MODULE\_RESET: Modules reset due to clock switch

**Explanation** Chassis clock source has switched and all Vegas line cards will be reset. System will automatically continue using redundant clock module.

**Recommended Action** Please refer to the platform document on clock modules.

**Error Message** PLATFORM-0-FAIL\_REMOVED: Fan module removed. Fan[dec] has been absent for [dec] seconds

**Explanation** Fan module is removed. This could lead to temperature alarms.

**Recommended Action** Replace the fan module ASAP.

**Error Message** PLATFORM-0-MOD\_TEMPMAJALRM: [chars] reported Major temperature alarm. Sensor=[dec] Temperature=[dec] MajThreshold=[dec]

**Explanation** Module in slot [decimal digit] exceeded major temperature threshold.

**Recommended Action** Please perform a 'show env temperature' to collect more information.

**Error Message** PLATFORM-0-MOD\_TEMPSHUTDOWN: [chars] powered down due to major temperature alarm for Sensor [dec].

**Explanation** Module in slot [decimal digit] shutdown due to temperature exceeding major threshold.

**Recommended Action** Please perform a 'show env temperature' to collect more information.

**Error Message** PLATFORM-0-MOD\_TEMPWARMALRM: [chars] reported Warm temperature alarm. Sensor=[dec] Temperature=[dec] WarmThreshold=[dec]

**Explanation** Module in slot [decimal digit] exceeded warm temperature threshold.

**Recommended Action** Please perform a 'show env temperature' to collect more information.

**Error Message** PLATFORM-0-PFM\_EMERGENCY: [chars]

**Explanation** Platform Emergency

**Recommended Action** No action is required.

**Error Message** PLATFORM-0-SUP\_SPROM\_ERROR: Unable to read SPROM for Sup in slot [dec]

**Explanation** The supervisor in slot [decimal digit] was not able to read its SPROM.

**Recommended Action** No action is required.

**Error Message** PLATFORM-0-SUP\_WRONGSLOTNUM: Supervisor powered up in WRONG SLOT:[dec] (Serial number [chars])

**Explanation** The supervisor is coming up in wrong slot [decimal digit].

**Recommended Action** No action is required.

**Error Message** PLATFORM-0-SYS\_LC\_DRIVER\_LOAD\_FAILED: Failed to load linecard module drivers

**Explanation** Failed to load drivers.

**Recommended Action** Image is possibly corrupt. Try to load a different image.

**Error Message** PLATFORM-0-SYS\_NO\_SHUTDOWN\_FAN\_DIR\_MISMATCH: PS/Fan-Tray Fan dir mismatch is detected - System auto shutdown is disabled. Rectify mismatch to avoid system malfunction.

**Explanation** Mismatch in direction between fan and ps module. System will not shutdown

**Recommended Action** Please perform a 'show env fan' to collect more information.

**Error Message** PLATFORM-0-SYS\_RESET: [chars] System shutdown in [dec] seconds

**Explanation** System shutdown in [decimal digit] seconds.

**Recommended Action** Please perform a 'show env temperature' to collect more information.

**Error Message** PLATFORM-0-SYS\_SHUTDOWN\_FAN\_DIR\_MISMATCH: PS/Fan-Tray Fan dir mismatch is detected - System will shutdown in [dec] minutes if mismatch is not rectified

**Explanation** System shutdown in [decimal digit] seconds due to mismatch in direction between fan and ps module.

**Recommended Action** Please perform a 'show env fan' to collect more information.

**Error Message** PLATFORM-0-SYS\_SHUTDOWN\_FAN\_REMOVAL: System shutdown in [dec] seconds due to fan removal

**Explanation** System shutdown in [decimal digit] seconds due to removal of fan module.

**Recommended Action** Please perform a 'show env fan' to collect more information.

**Error Message** PLATFORM-0-SYS\_SHUTDOWN\_MDS9124\_FAN\_FAIL: System shutdown in [dec] seconds due to less than 4 fans operating.

**Explanation** System shutdown in [decimal digit] seconds due to less than 4 fans operating.

**Recommended Action** Please perform a 'show env fan' to collect more information.

**Error Message** PLATFORM-0-SYS\_SHUTDOWN: System shutdown in [dec] seconds due to major temperature alarm

**Explanation** System shutdown in [decimal digit] seconds due to temperature exceeding major threshold.

**Recommended Action** Please perform a 'show env temperature' to collect more information.

**Error Message** PLATFORM-0-SYS\_SUP\_DRIVER\_LOAD\_FAILED: Failed to load supervisor module drivers

**Explanation** Failed to load drivers.

**Recommended Action** Image is possibly corrupt. Try to load a different image

**Error Message** PLATFORM-0-XBAR\_CARD\_CLK\_FAIL: Xbar card in slot:[dec] (Serial number [chars]) encountered clock failure

**Explanation** The xbar in slot [decimal digit] encountered clock failure.

**Recommended Action** No action is required.

**Error Message** PLATFORM-0-XBAR\_CARD\_INCOMPAT\_CHASSIS: Xbar card in slot:[dec] (Part number [chars]) Incompatible with backplane chassis Part Num:[chars]

**Explanation** The xbar in slot [decimal digit] is incompatible with backplane chassis.

**Recommended Action** No action is required.

**Error Message** PLATFORM-0-XBAR\_WRONGSLOTNUM: Xbar powered up in WRONG SLOT:[dec] (Serial number [chars])

**Explanation** The xbar in slot [decimal digit] powered up in wrong slot.

**Recommended Action** No action is required.

## PLATFORM-1

**Error Message** PLATFORM-1-FABRIC\_SWITCH\_FAN\_FAIL: Less than 4 required fans operating.

**Explanation** Fan module has failed leaving less than 4 total fans operating. Fan needs to be replaced. This can lead to overheating and temperature alarms.

**Recommended Action** Please perform a 'show platform internal info' to collect more information.

**Error Message** PLATFORM-1-FAN\_FAIL: Fan module Failed

**Explanation** Fan module has failed and needs to be replaced. This can lead to overheating and temperature alarms.

**Recommended Action** Please perform a 'show platform internal info' to collect more information.

**Error Message** PLATFORM-1-PFM\_ALERT: [chars]

**Explanation** Platform Alert

**Recommended Action** No action is required.

**Error Message** PLATFORM-1-PS\_SINGLE\_INPUT: Both power inputs are connected for Power supplies, remove single-input configuration for optimal power usage

**Explanation** Current power supply redundancy mode may not be optimal

**Recommended Action** Please perform a 'show environment power' and 'show platform internal info' to collect more information.

**Error Message** PLATFORM-1-XBAR\_PWRDENY: Xbar [dec] can not be powered up due to insufficient power (Serial number [chars])

**Explanation** Available power in power supplies is not sufficient to power up the xbar

**Recommended Action** You can verify available power and current usage using command 'show env power'. Please refer to power supply document on how to increase power supply capacity.

## PLATFORM-2

**Error Message** PLATFORM-2-9134\_FAN\_FAIL: Fan module [dec] Failed

**Explanation** Fan module has failed and needs to be replaced. This can lead to overheating and temperature alarms.

**Recommended Action** Please perform a 'show platform internal info' to collect more information.

**Error Message** PLATFORM-2-9134\_FAN\_OK: Fan module [dec] ok

**Explanation** Fan module is ok

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-ACTIVE\_SUP\_LESS\_MEMORY: Active Sup and Standby Sup are different model. Replace Sup in slot [dec] with same memory config for continued redundancy post switchover

**Explanation** Supervisor memory mismatch

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-BJ\_CHANGE: Detected backup ioslice change to module [dec] instance [dec]

**Explanation** Backup ioslice changed.

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-BOOTFLASH\_LIFETIME\_MAJOR: Bootflash lifetime usage crossed 95%. Collect 'show hardware internal bootflash log' and consult with product support team.

**Explanation** Bootflash lifetime usage crossed 95%. Collect 'show hardware internal bootflash log' and consult with product support team.

**Recommended Action** Collect show system internal bootflash log and consult with product support team

**Error Message** PLATFORM-2-CASA\_FAN\_FAIL: Fan module [dec] Failed

**Explanation** Fan module has failed and needs to be replaced. This can lead to overheating and temperature alarms.

**Recommended Action** Please perform a 'show platform internal info' to collect more information.

**Error Message** PLATFORM-2-CASA\_FAN\_OK: Fan module [dec] ok

**Explanation** Fan module is ok

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-CHASSIS\_CLKMODFAULTY: Chassis clock module [dec] faulty

**Explanation** Clock module on chassis is faulty or has been removed.

**Recommended Action** Please perform a 'show platform internal info' to collect more information.

**Error Message** PLATFORM-2-CHASSIS\_CLKMODOK: Chassis clock module [dec] ok

**Explanation** Clock module on chassis is functioning properly.

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-CHASSIS\_CLKSRC: Current chassis clock source is clock-[dec]

**Explanation** The current chassis clock source is [decimal digit].

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-DJBJ\_DISTRIBUTE: Distribute Mode

**Explanation** Ioslice distribute mode.

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-DJ\_CHANGE: Detected designated ioslice change to module [dec] instance [dec]

**Explanation** Designated ioslice changed.

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-FANLET\_FAN\_FAIL: Failed Fanlets for Fan [dec] ([chars] fan) : [chars]

**Explanation** The specified fanlets have failed. This can lead to overheating and temperature alarms.

**Recommended Action** Please perform a 'show platform internal info' to collect more information.

**Error Message** PLATFORM-2-FANMOD\_FAN\_FAIL: Fan module [dec] ([chars] fan) Failed/Removed

**Explanation** Fan module has failed and needs to be replaced. This can lead to overheating and temperature alarms.

**Recommended Action** Please perform a 'show platform internal info' to collect more information.

**Error Message** PLATFORM-2-FANMOD\_FAN\_OK: Fan module [dec] ([chars] fan) ok

**Explanation** Fan module is ok

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-FAN\_OK: Fan module ok

**Explanation** Fan module is ok

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-FAN\_REMOVED: Fan module [dec] (Serial number [chars]) [chars] removed

**Explanation** Fan module is removed

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-INSUFFICIENT\_MAC: Ran out of Mac address to program management port on all the non-default VDCs

**Explanation** Could not program the mac address for the management port of all the VDCs

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-INVALID\_SUPERVISOR\_MODULE\_COMBINATION: This combination of supervisor and fabric/linecard modules is not supported. Please update your chassis with a supported hardware configuration.

**Explanation** This combination of supervisor and linecard modules is not supported. Please update your chassis with a supported hardware configuration.

**Recommended Action** Check your hardware configuration and install supported modules

**Error Message** PLATFORM-2-MEMORY\_ALERT\_RECOVERED: Memory Status Alert : [chars]

**Explanation** Memory alert event received

**Recommended Action** None

**Error Message** PLATFORM-2-MEMORY\_ALERT: Memory Status Alert : [chars]. Usage [chars]% of Available Memory

**Explanation** Memory alert event received

**Recommended Action** None

**Error Message** PLATFORM-2-MODULE\_EJECTOR\_POLICY\_DISABLED: Ejector based shutdown disabled for Module [dec] [chars]. Please close all the ejectors to enable ejector based shutdown

**Explanation** Ejector based shutdown has been disabled

**Recommended Action** Close all the ejectors to enable ejector based shutdown

**Error Message** PLATFORM-2-MODULE\_EJECTOR\_POLICY\_ENABLED: All Ejectors closed for module [dec]. Ejector based shutdown enabled

**Explanation** Ejector based shutdown has been enabled

**Recommended Action** None

**Error Message** PLATFORM-2-MOD\_ALL\_PARTIAL\_LC\_PWRDN\_FABRIC\_MODE: Partially connected line-card modules powered down due to configured fabric mode

**Explanation** Partially line-card modules in switch are powered down because of configured fabric mode

**Recommended Action** Please perform a 'show module', 'show platform internal all module [decimal digit]', 'show system fabric-mode' and 'show module internal all module [decimal digit]' to collect more information if you suspect module has been powered down due to errors. Atleast one partially connected fabric module has to be online for partially connected line-card modules to function

**Error Message** PLATFORM-2-MOD\_ALL\_PARTIAL\_LC\_PWRDN\_NOFM: Partially connected line-card modules powered down due to no connectivity with existing fabric modules

**Explanation** Partially line-card modules in switch are powered down because of no connectivity to existing fabric modules

**Recommended Action** Please perform a 'show module', 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' to collect more information if you suspect module has been powered down due to errors. Atleast one partially connected fabric module has to be online for partially connected line-card modules to function

**Error Message** PLATFORM-2-MOD\_ALL\_PWRDN\_NOFM: All line-card modules powered down due to non-availability of fabric modules

**Explanation** All line-card modules in switch are powered down because all fabric modules are offline

**Recommended Action** Please perform a 'show module', 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' to collect more information if you suspect module has been powered down due to errors. Atleast one fabric module has to be online for line-card modules to function

**Error Message** PLATFORM-2-MOD\_ALL\_PWRDN\_NOSC: All fabric, line-card modules powered down due to non-availability of system controller modules

**Explanation** All fabric, line-card modules in switch are powered down because all system controller modules are offline

**Recommended Action** Please perform a 'show module', 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' to collect more information if you suspect module has been powered down due to errors. Atleast one system-controller module has to be online for fabric, line-card modules to function

**Error Message** PLATFORM-2-MOD\_ALL\_PWRDN\_NOXBAR: All modules powered down due to non-availability of xbar modules

**Explanation** All modules in switch are powered down because all xbar modules are offline

**Recommended Action** Please perform a 'show module', 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' to collect more information if you suspect module has been powered down due to errors. Atleast one xbar module has to be for modules to function

**Error Message** PLATFORM-2-MOD\_DETECT: Module [dec] detected (Serial number [chars]) Module-Type [chars] Model [chars]

**Explanation** A new module in slot [decimal digit] is detected.

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-MOD\_INSERTED: Module [dec] inserted ([chars]), [dec] VNICs mapped

**Explanation** A new module in slot [decimal digit] is virtually inserted.

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-MOD\_INSERTION\_FAILED: Failed to insert module [dec] ([chars] - [chars])

**Explanation** Failed to virtually insert a new module in slot [decimal digit].

**Recommended Action** The exact reason for the failure should be in the syslog output.

**Error Message** PLATFORM-2-MOD\_PRESENT: Detected the presence of Module [dec]

**Explanation** A new module in slot [decimal digit] is inserted.

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-MOD\_PWRDENY: Module [dec] can not be powered up due to insufficient power (Serial number [chars])

**Explanation** Available power in power supplies is not sufficient to power up the module

**Recommended Action** You can verify available power and current usage using command 'show env power'. Please refer to power supply document on how to increase power supply capacity.

**Error Message** PLATFORM-2-MOD\_PWRDN: Module [dec] powered down (Serial number [chars])

**Explanation** The module in slot [decimal digit] is powered down.

**Recommended Action** Please perform a 'show module', 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' to collect more information if you suspect module has been powered down due to errors.

**Error Message** PLATFORM-2-MOD\_PWRFAIL\_EJECTORS\_OPEN: All ejectors open, Module [dec] will not be powered up (Serial number [chars])

**Explanation** The module can not be powered up because all the ejectors are open

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sptom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

**Error Message** PLATFORM-2-MOD\_PWRFAIL: Module [dec] failed to power up (Serial number [chars])

**Explanation** The module in slot [decimal digit] failed to power up

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and to collect more information.

**Error Message** PLATFORM-2-MOD\_PWRIDPROMFAIL: Module [dec] failed to power up due to IDPROM read error

**Explanation** The module can not be powered up due to IDPROM read error

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sptom module [dec] [dec]' to read module IDPROM contents to collect more information.

**Error Message** PLATFORM-2-MOD\_PWRIDPROM\_SW\_CARD\_ID\_UNKNOWN: Module [dec] failed to power up. (Unknown card. Could not get software-card-id)

**Explanation** The module can not be powered up due to missing SWID in core-plugin for this CARDID

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sptom module [dec] [dec]' to read module IDPROM contents to collect more information.



**Error Message** PLATFORM-2-MOD\_PWRUP\_FM: Modules powered up due to fabric-module availability

**Explanation** Modules powered up because atleast one fabric module is online

**Recommended Action** No action needed

**Error Message** PLATFORM-2-MOD\_PWRUP\_PARTIAL\_FM: Partially connected line-card modules powered up due to available connectivity with fabric-modules

**Explanation** Partially connected line-card modules powered up because atleast one fabric module is online

**Recommended Action** No action needed

**Error Message** PLATFORM-2-MOD\_PWRUP\_SC: Modules powered up due to system-controller module availability

**Explanation** Modules powered up because atleast one system-controller module is online

**Recommended Action** No action needed

**Error Message** PLATFORM-2-MOD\_PWRUP\_XBAR: Modules powered up due to xbar availability

**Explanation** Modules powered up because atleast one xbar module is online

**Recommended Action** No action needed

**Error Message** PLATFORM-2-MOD\_PWRUP: Module [dec] powered up (Serial number [chars])

**Explanation** The module in slot [decimal digit] is powered up.

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-MOD\_REMOVE: Module [dec] removed (Serial number [chars])

**Explanation** The module in slot [decimal digit] has been removed.

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-MOD\_TEMPMAJOR2WARM: [chars] recovered from minor temperature alarm. Warm alarm pending. Sensor=[dec] Temperature=[dec] MajTheshold=[dec] WarmThreshold=[dec]

**Explanation** Module in slot [decimal digit] warm temperature threshold.

**Recommended Action** Please perform a 'show env temperature' to collect more information.

**Error Message** PLATFORM-2-MOD\_TEMPMAJOR\_OK: [chars] recovered from major temperature alarm. Sensor=[dec] Temperature=[dec] MajThreshold=[dec]

**Explanation** Module in slot [decimal digit] major temperature threshold.

**Recommended Action** Please perform a 'show env temperature' to collect more information.

**Error Message** PLATFORM-2-MOD\_TEMPMINALRM: [chars] reported minor temperature alarm. Sensor=[dec] Temperature=[dec] MinThreshold=[dec]

**Explanation** Module in slot [decimal digit] has exceeded minor temperature threshold.

**Recommended Action** Please perform a 'show env temperature' to collect more information.

**Error Message** PLATFORM-2-MOD\_TEMPMINOR2WARM: [chars] recovered from minor temperature alarm. Warm alarm pending. Sensor=[dec] Temperature=[dec] MinTheshold=[dec] WarmThreshold=[dec]

**Explanation** Module in slot [decimal digit] warm temperature threshold.

**Recommended Action** Please perform a 'show env temperature' to collect more information.

**Error Message** PLATFORM-2-MOD\_TEMPPOK: [chars] recovered from minor temperature alarm. Sensor=[dec] Temperature=[dec] MinThreshold=[dec]

**Explanation** Module in slot [decimal digit] minor temperature threshold.

**Recommended Action** Please perform a 'show env temperature' to collect more information.

**Error Message** PLATFORM-2-MOD\_TEMPRECOVER: [chars] recovered from major temperature alarm. Minor temperature alarm pending. Sensor=[dec] Temperature=[dec] MajThreshold=[dec] MinThresh=[dec]

**Explanation** Module in slot [decimal digit] recovered from major temperature threshold. Minor threshold still exceeded.

**Recommended Action** Please perform a 'show env temperature' to collect more information.

**Error Message** PLATFORM-2-MOD\_TEMPWARM\_OK: [chars] recovered from warm temperature alarm. Sensor=[dec] Temperature=[dec] WarmThreshold=[dec]

**Explanation** Module in slot [decimal digit] warm temperature threshold.

**Recommended Action** Please perform a 'show env temperature' to collect more information.

**Error Message** PLATFORM-2-PFM\_CRITICAL: [chars]

**Explanation** Platform Critical

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-PFM\_FATW\_BUS\_SWITCH\_FAIL: Backplane two wire [chars] bus connection fault detected but failed to perform bus switchover(BUS\_A to BUS\_B)

**Explanation** Could not access some modules using BUS\_A, but can access using BUS\_B

**Recommended Action** Please perform a 'show platform internal err'

**Error Message** PLATFORM-2-PFM\_FATW\_BUS\_SWITCH: Backplane two wire [chars] bus connection or device fault caused bus switchover(BUS\_A to BUS\_B)

**Explanation** Could not access some modules using BUS\_A, but can access using BUS\_B

**Recommended Action** Please perform a 'show platform internal err'

**Error Message** PLATFORM-2-PFM\_IMG\_CMPT\_FAIL: Image version is not supported in this chassis.

**Explanation** This image version is not supported in this chassis.

**Recommended Action** Sup-platform

**Error Message** PLATFORM-2-PFM\_LC\_BOOT\_DEV\_ABSENT: No bootflash found in Module [dec]

**Explanation** No bootflash found.

**Recommended Action** Try to put in a bootflash in the module and try again.

**Error Message** PLATFORM-2-PFM\_LC\_BOOT\_DEV\_FAIL: Bootflash access error in Module [dec]

**Explanation** Bad bootflash/corrupted filesystem.

**Recommended Action** Try to put in a known good bootflash in the module and try again.

**Error Message** PLATFORM-2-PFM\_LC\_MOD\_POWERED\_DOWN: Module [dec] Powered Down. Module is not supported in this chassis. (Chassis Incompatible card)

**Explanation** Module Powered Down, because Module is not supported in this chassis. (Chassis Incompatible card)

**Recommended Action** Please perform a 'show module' to see the Power Down reason.

**Error Message** PLATFORM-2-PFM\_LC\_NETBOOT\_FAIL: Netboot for Module [dec] failed

**Explanation** Netboot failed.

**Recommended Action** Try to replace the BIOS in the module.

**Error Message** PLATFORM-2-PFM\_LC\_REGISTRATION\_FAIL: Could not register with Module [dec]

**Explanation** Module registration failed.

**Recommended Action** Try to replace the module.

**Error Message** PLATFORM-2-PFM\_LC\_STATUS: Module [dec] powered up with [dec] status

**Explanation** Status for the module that failed registration.

**Recommended Action** Try to replace the module.

**Error Message** PLATFORM-2-PFM\_LOW\_MEMORY\_CONDITION: Module [dec] is running low on memory. %ld percent used

**Explanation** Supervisor is running low on memory

**Recommended Action** Switchover

**Error Message** PLATFORM-2-PFM\_MODULE\_POWER\_OFF\_TRIGGER: Power-off [chars] due to [chars] policy trigger

**Explanation** Policy trigger initiated a module poweroff

**Recommended Action** None

**Error Message** PLATFORM-2-PFM\_MODULE\_POWER\_OFF: Manual power-off of [chars] from Command Line Interface

**Explanation** User initiated a module power-off from the CLI

**Recommended Action** None

**Error Message** PLATFORM-2-PFM\_MODULE\_POWER\_ON: Manual power-on of [chars] from Command Line Interface

**Explanation** User initiated a module power-on from the CLI

**Recommended Action** None

**Error Message** PLATFORM-2-PFM\_MODULE\_RESET: Manual restart of Module [dec] from Command Line Interface

**Explanation** User initiated a module reload from the CLI

**Recommended Action** None

**Error Message** PLATFORM-2-PFM\_NETBOOT\_DISABLE: Netboot for supervisor module in slot [dec] is disabled due to incompatible platform

**Explanation** Standby supervisor failed to powerup.

**Recommended Action** Try to replace the standby supervisor.

**Error Message** PLATFORM-2-PFM\_PREP\_DEEP\_SLEEP: Supervisor module in slot [dec] preparing to enter deep sleep mode

**Explanation** Deep sleep mode initiated by the Connectivity Management Processor (CMP) for this supervisor

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-PFM\_PWR\_MGMT\_EPLD\_VER\_MISMATCH: Module [dec] Pwr Mgmt Epld (Version-[dec]) needs to be upgraded

**Explanation** Using a wrong version of Epld version can result in unexplainable behaviour

**Recommended Action** Upgrade Power Managment EPLD

**Error Message** PLATFORM-2-PFM\_STDBY\_POWERUP\_FAIL: standby supervisor failed to powerup

**Explanation** Standby supervisor failed to powerup.

**Recommended Action** Try to replace the standby supervisor.

**Error Message** PLATFORM-2-PFM\_SYSTEM\_RESET\_TIMER: Manual system restart with [dec] seconds delay from Command Line Interface

**Explanation** User initiated a system reload with delay from the CLI

**Recommended Action** None

**Error Message** PLATFORM-2-PFM\_SYSTEM\_RESET\_TRIGGER: System restart due to [chars] policy trigger

**Explanation** Policy/trigger initiated a system reload

**Recommended Action** None

**Error Message** PLATFORM-2-PFM\_SYSTEM\_RESET: Manual system restart from Command Line Interface

**Explanation** User initiated a system reload from the CLI

**Recommended Action** None

**Error Message** PLATFORM-2-PFM\_SYSTEM\_SHUTDOWN\_TRIGGER: System shutdown due to [chars] policy trigger

**Explanation** Policy/trigger initiated a system shutdown

**Recommended Action** None

**Error Message** PLATFORM-2-PFM\_SYS\_RESET\_IMG\_CMPT\_FAIL: \*\*\*\*\*ERROR: System reset due to unsupported image version\*\*\*\*\*

**Explanation** System reset is triggered because of unsupported image version in this chassis.

**Recommended Action** Sup-platform

**Error Message** PLATFORM-2-PFM\_XBAR\_RESET: Manual restart of Xbar [dec] from Command Line Interface

**Explanation** User initiated a xbar reload from the CLI

**Recommended Action** None

**Error Message** PLATFORM-2-PLUGIN\_ABSENT: Module in slot[dec] (sw\_card\_id=[dec]) has missing plugin

**Explanation** Plugin not loaded, The LC cannot be poweredup

**Recommended Action** Load the associated plugin

**Error Message** PLATFORM-2-PS\_ABSENT: Power supply [dec] is absent/shutdown, ps-redundancy might be affected

**Explanation** Power Supply is absent.

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-PS\_CAPACITY\_CHANGE: Power supply PS[dec] changed its capacity. possibly due to On/Off or power cable removal/insertion (Serial number [chars])

**Explanation** Detected power supply capacity change.

**Recommended Action** Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc. Please perform 'show environment power' and 'show platform internal info' to collect more information.

**Error Message** PLATFORM-2-PS\_CAPACITY\_DIFFER: Detected power supplies with differing capacity. It is recommended to have same capacity for both powersupplies otherwise it may cause service disruptions

**Explanation** Detected a power supply that has differing capacity than an the otherpower supply.

**Recommended Action** Please refer to power supply document on increasing decreasing power

supply capacity, configuring power supplies, etc. Please perform 'show environment power' and 'show platform internal info' to collect more information.

**Error Message** PLATFORM-2-PS\_DETECT: Power supply [dec] detected but shutdown (Serial number [chars])

**Explanation** Power Supply is detected but shutdown.

**Recommended Action** Please perform a 'show environment power' and 'show platform internal info' to collect more information.

**Error Message** PLATFORM-2-PS\_FAIL: Power supply [dec] failed or shut down (Serial number [chars])

**Explanation** Power Supply has failed or has been shutdown

**Recommended Action** Please perform a 'show environment power' and 'show platform internal info' to collect more information. Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc.

**Error Message** PLATFORM-2-PS\_FANFAIL: Fan in Power supply [dec] failed

**Explanation** Fan module in the Power Supply has failed

**Recommended Action** Please perform a 'show environment power' and 'show platform internal info' to collect more information.

**Error Message** PLATFORM-2-PS\_FANOK: Fan in Power supply [dec] ok

**Explanation** Fan module in the Power Supply is ok.

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-PS\_MISMATCH: Detected power supply [chars]. This reduces the redundant power available to the system and can cause service disruptions (Serial number [chars])

**Explanation** Detected a new power supply that has reduced capacity than an existing power supply.

**Recommended Action** Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc. Please perform 'show environment power' and 'show platform internal info' to collect more information.

**Error Message** PLATFORM-2-PS\_OK: Power supply [dec] ok (Serial number [chars])

**Explanation** Power Supply is ok.

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-PS\_PWR\_INPUT\_MISSING: Power supply [dec] present but all AC/DC inputs are not connected, power redundancy might be affected

**Explanation** Power Supply is present but not at full capacity.

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-PS\_RED\_MODE\_CHG: Power supply operational redundancy mode changed to [chars]

**Explanation** Power supply redundancy mode changed notification

**Recommended Action** Please perform a 'show environment power' and 'show platform internal info' to collect more information.

**Error Message** PLATFORM-2-PS\_RED\_MODE\_RESTORED: Power redundancy operational mode changed to configured mode

**Explanation** Power Supply redundancy mode changes.

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-PS\_REMOVE\_LAST: Unexpected removal of last power supply [dec]. (Serial number [chars])

**Explanation** Unexpected removal the only power supply in the system.

**Recommended Action** Power supply unit may be faulty. Contact CISCO to replace the unit.

**Error Message** PLATFORM-2-PS\_REMOVE: Power supply [dec] removed (Serial number [chars])

**Explanation** Power Supply is removed.

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-PS\_UNKNOWN: Detected an unknown power supply [dec] for CISCO Multilayer Switch (Serial number [chars])

**Explanation** Unable to determine power supply type. Default power supply types will be assumed.

**Recommended Action** Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc.

**Error Message** PLATFORM-2-PS\_UNSUPPORTED: Detected an unsupported power supply [dec] [chars] for CISCO Multilayer Switch (Serial number [chars])

**Explanation** This power supply is not supported for the CISCO Multilayer Switches.

**Recommended Action** Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc.

**Error Message** PLATFORM-2-SUP\_UNSUPPORTED: Unsupported card detected in supervisor slot [dec] powered down

**Explanation** The module in slot [decimal digit] has been powered down.

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-SYS\_IDPROMBAD\_RECOVER\_FAIL: Chassis IDPROM [dec] data re-initialization Un-successful. Data is invalid

**Explanation** Chassis IDPROM [decimal digit] re-initialization was unsuccessful. Data is invalid.

**Recommended Action** Please perform a 'show sprom module [decimal digit] 1' to read module IDPROM contents and collect more information.

**Error Message** PLATFORM-2-SYS\_IDPROMBAD\_RECOVER\_PASS: Chassis IDPROM [dec] data re-initialized

successfully

**Explanation** Chassis IDPROM [decimal digit] invalid data was successfully re-initialized to valid.

**Recommended Action** Please perform a 'show sprom module [decimal digit] 1' to read module IDPROM contents and verify the information.

**Error Message** PLATFORM-2-SYS\_IDPROMBAD: Chassis IDPROM [dec] data invalid

**Explanation** Chassis IDPROM [decimal digit] contains invalid data.

**Recommended Action** Please perform a 'show sprom module [decimal digit] 1' to read module IDPROM contents and collect more information.

**Error Message** PLATFORM-2-XBAR\_DETECT: Xbar [dec] detected (Serial number [chars])

**Explanation** A new xbar in slot [decimal digit] is detected.

**Recommended Action** No action is required.

**Error Message** PLATFORM-2-XBAR\_EJECTOR\_POLICY\_DISABLED: Ejector based shutdown disabled for Xbar [dec][chars]. Please close all the ejectors to enable ejector based shutdown

**Explanation** Ejector based shutdown has been disabled

**Recommended Action** Close all the ejectors to enable ejector based shutdown

**Error Message** PLATFORM-2-XBAR\_EJECTOR\_POLICY\_ENABLED: All Ejectors closed for Xbar [dec]. Ejector based shutdown enabled

**Explanation** Ejector based shutdown has been enabled

**Recommended Action** None

**Error Message** PLATFORM-2-XBAR\_PWRFAIL\_EJECTORS\_OPEN: All ejectors open, Xbar [dec] will not be powered up (Serial number [chars])

**Explanation** The xbar can not be powered up because all the ejectors are open

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

**Error Message** PLATFORM-2-XBAR\_REMOVE: Xbar [dec] removed (Serial number [chars])

**Explanation** The xbar in slot [decimal digit] has been removed.

**Recommended Action** No action is required.

## PLATFORM-3

**Error Message** PLATFORM-3-BOOTFLASH\_LIFETIME\_MINOR: Bootflash lifetime usage crossed 80%. Collect 'show hardware internal bootflash log' and consult with product support team.

**Explanation** Bootflash lifetime usage crossed 80%. Collect 'show hardware internal bootflash log' and consult with product support team.



**Recommended Action** Collect show system internal bootflash log and consult with product support team

**Error Message** PLATFORM-3-EJECTOR\_STAT\_CHANGED: Ejectors' status in slot [dec] has changed, [chars] Ejector is [chars], [chars] Ejector is [chars]

**Explanation** Ejector status has changed

**Recommended Action** None

**Error Message** PLATFORM-3-MOD\_BRINGUP\_MULTI\_LIMIT: Giving up after multiple attempts were made to bring up the Module [dec], (Serial number [chars])

**Explanation** The module can not be powered up even after three attempts

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

**Error Message** PLATFORM-3-MOD\_PWRFAIL\_MULTI: Module [dec] failed to power up multiple times (Serial number [chars])

**Explanation** The module can not be powered up even after three attempts

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

**Error Message** PLATFORM-3-PFM\_ERROR: [chars]

**Explanation** Platform Error

**Recommended Action** No action is required.

**Error Message** PLATFORM-3-SINGLE\_EJECTOR\_STAT\_CHANGED: Ejectors' status in slot [dec] has changed, Ejector is [chars]

**Explanation** Ejector status has changed

**Recommended Action** None

**Error Message** PLATFORM-3-XBAR\_BRINGUP\_MULTI\_LIMIT: Giving up after multiple attempts were made to bring up the Xbar [dec], (Serial number [chars])

**Explanation** The module can not be powered up even after three attempts

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contXBA ents to collect more information.

**Error Message** PLATFORM-3-XBAR\_PWRFAIL\_MULTI: Xbar [dec] failed to power up multiple times (Serial number [chars])

**Explanation** The xbar can not be powered up even after three attempts

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and

'show module internal all module [decimal digit]' 'show sptom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

**Error Message** PLATFORM-3-XBAR\_PWRFAIL: Xbar [dec] failed to power up (Serial number [chars])

**Explanation** The xbar in slot [decimal digit] failed to power up

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and to collect more information.

**Error Message** PLATFORM-3-XBAR\_PWRIDPROMFAIL: Xbar [dec] failed to power up due to IDPROM read error

**Explanation** The xbar can not be powered up due to IDPROM read error

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sptom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

**Error Message** PLATFORM-3-XBAR\_PWRIDPROM\_SW\_CARD\_ID\_UNKNOWN: Xbar [dec] failed to power up. (Unknown card. Could not get software-card-id)

**Explanation** The xbar can not be powered up due to missing SWID in core-plugin for this CARDID

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sptom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

## PLATFORM-4

**Error Message** PLATFORM-4-MOD\_TEMPACCESSFAIL: [chars] temperature sensor [dec] access failed

**Explanation** Module in slot [decimal digit] unable to access temperature sensor.

**Recommended Action** Please perform a 'show env temperature' to collect more information.

**Error Message** PLATFORM-4-MOD\_TEMPFAIL: [chars] temperature sensor [dec] failed (or inaccessible) - collect show tech gold and show tech module

**Explanation** Module in slot [decimal digit] contains a faulty temperature sensor.

**Recommended Action** Please perform a 'show env temperature' to collect more information.

**Error Message** PLATFORM-4-PFM\_FAN\_FLTR\_STATUS: Fan Filter status: [chars]

**Explanation** Fan Filter status: Present/Absent

**Recommended Action** Please perform a 'show platform internal info.

**Error Message** PLATFORM-4-PFM\_PS\_RED\_MODE\_CHG: Power redundancy configured mode changed to [chars]

**Explanation** Power redundancy mode changed

**Recommended Action** Please perform a 'show platform internal info.

**Error Message** PLATFORM-4-PFM\_WARNING: [chars]

**Explanation** Platform Warning

**Recommended Action** No action is required.

## PLATFORM-5

**Error Message** PLATFORM-5-FAN\_DETECT: Fan module [dec] (Serial number [chars]) [chars] detected

**Explanation** Fan module is detected

**Recommended Action** No action is required.

**Error Message** PLATFORM-5-FAN\_STATUS: Fan module [dec] (Serial number [chars]) [chars] current-status is [chars]

**Explanation** Fan module changed status

**Recommended Action** No action is required.

**Error Message** PLATFORM-5-FEX\_FAN\_DETECT: Fex [dec] Fan Module [dec] detected

**Explanation** Fex Fan module is detected

**Recommended Action** No action is required.

**Error Message** PLATFORM-5-FEX\_FAN\_REMOVE: Fex [dec] Fan Module [dec] removed

**Explanation** Fex Fan module is removed

**Recommended Action** No action is required.

**Error Message** PLATFORM-5-FEX\_PS\_FOUND: Fex [dec] Power Supply [dec] found (Serial number [chars])

**Explanation** Fex power supply is found

**Recommended Action** No action is required.

**Error Message** PLATFORM-5-FEX\_PS\_REMOVE: Fex [dec] Power Supply [dec] removed (Serial number [chars])

**Explanation** Fex power supply is removed

**Recommended Action** No action is required.

**Error Message** PLATFORM-5-MOD\_STATUS: [chars] current-status is [chars]

**Explanation** Module in slot [decimal digit] changed status.

**Recommended Action** No action is required.

**Error Message** PLATFORM-5-PFM\_NOTICE: [chars]

**Explanation** Platform Notice

**Recommended Action** No action is required.

**Error Message** PLATFORM-5-POE\_DISABLING: The only 1100W power supply is shutdown, Disabling POE.

**Explanation** No 1100W power supply to support POE

**Recommended Action** No action is required.

**Error Message** PLATFORM-5-PS\_FOUND: Power supply [dec] found (Serial number [chars])

**Explanation** Power Supply is detected.

**Recommended Action** No action is required.

**Error Message** PLATFORM-5-PS\_STATUS: PowerSupply [dec] current-status is [chars] [chars]

**Explanation** Module in slot [decimal digit] changed status.

**Recommended Action** No action is required.

**Error Message** PLATFORM-5-XBAR\_PWRDN: Xbar [dec] powered down (Serial number [chars])

**Explanation** The xbar in slot [decimal digit] is powered down.

**Recommended Action** Please perform a 'show module xbar', 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' to collect more information if you suspect module has been powered down due to errors.

**Error Message** PLATFORM-5-XBAR\_PWRUP: Xbar [dec] powered up (Serial number [chars])

**Explanation** The xbar in slot [decimal digit] is powered up.

**Recommended Action** No action is required.

## PLATFORM-6

**Error Message** PLATFORM-6-PFM\_FAN\_SPEED: [chars]

**Explanation** Fan Speed: For Zones

**Recommended Action** Please perform a 'show platform internal info.

**Error Message** PLATFORM-6-PFM\_INFO: [chars]

**Explanation** Platform Info

**Recommended Action** No action is required.

## PLATFORM-7

**Error Message** PLATFORM-7-PFM\_CLOCK\_UPD\_FAIL: Clock update failed due to context-switch delay of [dec] msec

**Explanation** System shutdown in [decimal digit] seconds.

**Recommended Action** Please perform a 'show env temperature' to collect more information.

## PLOG\_SUP Messages

This section contains the PLOG\_SUP messages.

### PLOG\_SUP-4

**Error Message** PLOG\_SUP-4-PLOG\_SUP\_EXIT: Persistent Logger encountered an error [dec].

**Explanation** Persistent Logger encountered an error

**Recommended Action** No action is required.

## PLOG Messages

This section contains the PLOG messages.

### PLOG-4

**Error Message** PLOG-4-PLOG\_LC\_EXIT: Persistent Logger encountered an error [dec]

**Explanation** Persistent Logger encountered an error

**Recommended Action** No action is required.

## PORT-CHANNEL Messages

This section contains the PORT-CHANNEL messages.

### PORT-CHANNEL-1

**Error Message** PORT-CHANNEL-1-LC\_CFG\_FAILURE: configuring module [dec] failed [[chars]]

**Explanation** Module configuration failed

**Recommended Action** Module will be automatically reset

**Error Message** PORT-CHANNEL-1-MALLOC\_FAILED: cannot allocate memory (size [dec])

**Explanation** No enough memory

**Recommended Action** No action is required.

**Error Message** PORT-CHANNEL-1-MAP\_PARAM\_FAILURE: mapping parameter failed for [chars] [[chars]]

**Explanation** Parameter mapping failed

**Recommended Action** Specified service is misbehaving; check its status

**Error Message** PORT-CHANNEL-1-MCAST\_SEND\_FAILURE: failed to send multicast [chars]: [chars]

**Explanation** Failed to send a multicast message to all modules, usually because some module went down

**Recommended Action** Run show port-channel consistency to check consistency

**Error Message** PORT-CHANNEL-1-PC\_BUNDLE\_ID\_NOT\_CORRECT: [chars] : PC Bundle ([dec]) not equal to expected value ([dec]). Flapping the port-channel

**Explanation** Bundle of pc is not equal to port-channel id minus one, flap of the port-channel is performed

**Recommended Action** Flap of the port-channel was done since bundle was not equal to expected value. Check is PC traffic is restored fine.

## PORT-CHANNEL-2

**Error Message** PORT-CHANNEL-2-AUTO\_CREATE\_DISABLED: [chars] has been deprecated; [chars] [chars]

**Explanation** Auto create port-channel is deprecated and disabled

**Recommended Action** Convert the auto created channel to persistent by doing port-channel persistent

**Error Message** PORT-CHANNEL-2-RESET\_MODULE: reset module [dec] for not responding or returning error

**Explanation** A module is reset for not responding or returning error

**Recommended Action** No action is required.

## PORT-CHANNEL-3

**Error Message** PORT-CHANNEL-3-COMPAT\_CHECK\_FAILURE: [chars] is not compatible

**Explanation** Compatibility check failed when adding ports to port-channel

**Recommended Action** Make sure the compatibility parameters are consistent while adding ports to port-channel, or use force option

**Error Message** PORT-CHANNEL-3-GENERAL\_ERROR: [chars]

**Explanation** General error

**Recommended Action** No action is required.

**Error Message** PORT-CHANNEL-3-LC\_CFG\_TIMEOUT\_ENTRY\_PORT\_ERR\_DISABLE: Failed to send LC config due to timeout, Port [chars] Err disabled

**Explanation** Failed to send a lc\_config message

**Recommended Action** No action is required.

**Error Message** PORT-CHANNEL-3-LC\_CFG\_UCAST\_FAILED\_PORT\_ERR\_DISABLE: Failed to send LC config unicast msg, Port [chars] Err disabled

**Explanation** Failed to send a lc\_config unicast message

**Recommended Action** No action is required.

**Error Message** PORT-CHANNEL-3-LC\_CFG\_UCAST\_SEND\_FAILURE: Failed to send LC config Unicast msg to slot [dec] node [hex] sap [dec]: [chars]. Resetting LineCard

**Explanation** Failed to send a lc\_config unicast message

**Recommended Action** No action is required.

**Error Message** PORT-CHANNEL-3-MSG\_SEND\_FAILURE: failed to send [chars] to sap [dec]: [chars]

**Explanation** Failed to send a message

**Recommended Action** No action is required.

**Error Message** PORT-CHANNEL-3-PORT\_CHANNEL\_NOT\_FOUND: [chars] is not found

**Explanation** Cannot find port-channel in its database, which indicates an inconsistency with an external component

**Recommended Action** No action is required.

**Error Message** PORT-CHANNEL-3-TIMEOUT: timed out after [dec] seconds [type [chars], state [chars]]

**Explanation** Some operation timed out

**Recommended Action** Run show port-channel consistency to check all module connectivity and consistency

## PORT-CHANNEL-4

**Error Message** PORT-CHANNEL-4-PORT\_CFG\_DELETED: [chars] removed from [chars]

**Explanation** Port is removed from a port-channel because different module was inserted or module config purged

**Recommended Action** You lost some ports from port-channel, check if you want to add ports in the new module to the same port-channel.

**Error Message** PORT-CHANNEL-4-PORT\_INDIVIDUAL: port [chars] is operationally individual

**Explanation** The port is operating as an individual link even though it is locally or remotely configured to be part of a port channel

**Recommended Action** Check the configuration of the port locally and remotely to ensure that it can operate as part of a port channel

**Error Message** PORT-CHANNEL-4-PORT\_NOT\_FOUND: port [chars] is not part of port-channel

**Explanation** Cannot find the port in port-channel database, which indicates an inconsistency with an external component

**Recommended Action** No action is required.

**Error Message** PORT-CHANNEL-4-RACE\_WARN: [chars]

**Explanation** Warning of possible race condition

**Recommended Action** No action is required.

**Error Message** PORT-CHANNEL-4-UNEXPECTED\_RESPONSE: unexpected response [chars] from [chars]

**Explanation** Received an unexpected response and discarded

**Recommended Action** No action is required.

## PORT-CHANNEL-5

**Error Message** PORT-CHANNEL-5-AUTO\_CREATE\_FAILURE: [chars] [chars]

**Explanation** Auto create process on the port failed

**Recommended Action** No action is required.

**Error Message** PORT-CHANNEL-5-CREATED: [chars] created

**Explanation** A port-channel is created

**Recommended Action** No action is required.

**Error Message** PORT-CHANNEL-5-DELETED: [chars] deleted

**Explanation** A port-channel is deleted

**Recommended Action** No action is required.

**Error Message** PORT-CHANNEL-5-FOP\_CHANGED: [chars]: first operational port changed from [chars] to [chars]

**Explanation** The first operational port in a port-channel is changed

**Recommended Action** No action is required.

**Error Message** PORT-CHANNEL-5-MAX\_CHANNEL\_DISALLOWED: Module failed to come online because port channel interface greater than [dec] is present

**Explanation** The port-channel number configured on the switch is larger than 128

**Recommended Action** Delete the set of port channel interface which is greater than 128

**Error Message** PORT-CHANNEL-5-PORT\_ADDED: [chars] added to [chars]

**Explanation** Ports are added to a port-channel

**Recommended Action** No action is required.

**Error Message** PORT-CHANNEL-5-PORT\_DOWN: [chars]: [chars] is down

**Explanation** Port goes down in a port-channel

**Recommended Action** No action is required.

**Error Message** PORT-CHANNEL-5-PORT\_REMOVED: [chars] removed from [chars]

**Explanation** Ports are removed from a port-channel



**Recommended Action** No action is required.

**Error Message** PORT-CHANNEL-5-PORT\_UP: [chars]: [chars] is up

**Explanation** Port comes up in a port-channel

**Recommended Action** No action is required.

## PORT-CHANNEL-6

**Error Message** PORT-CHANNEL-6-RESYNC: resyncing [chars] with all modules

**Explanation** Resync modules with sup after an error or switchover

**Recommended Action** No action is required.

## PORT-CHANNEL-7

**Error Message** PORT-CHANNEL-7-GSYNC\_DONE: global synchronization is done

**Explanation** Port-channel manager finished global synchronization

**Recommended Action** No action is required.

**Error Message** PORT-CHANNEL-7-GSYNC\_REQ: requesting global synchronization

**Explanation** Port-channel manager requested a global synchronization from active sup

**Recommended Action** No action is required.

**Error Message** PORT-CHANNEL-7-START\_ACTIVE: started in active mode

**Explanation** Port-channel manager started in active mode

**Recommended Action** No action is required.

**Error Message** PORT-CHANNEL-7-START\_DEFAULT: started with default configuration

**Explanation** Port-channel manager started with default configuration

**Recommended Action** No action is required.

**Error Message** PORT-CHANNEL-7-START\_STANDBY: started in standby mode

**Explanation** Port-channel manager started in standby mode

**Recommended Action** No action is required.

**Error Message** PORT-CHANNEL-7-START\_STATEFUL: started statefully

**Explanation** Port-channel manager started with running configuration

**Recommended Action** No action is required.

**Error Message** PORT-CHANNEL-7-START\_STATELESS: started statelessly

**Explanation** Port-channel manager started with startup configuration

**Recommended Action** No action is required.

## PORT-RESOURCES Messages

This section contains the PORT-RESOURCES messages.

### PORT-RESOURCES-3

**Error Message** PORT-RESOURCES-3-PRM\_MSG\_SEND\_FAILURE: failed to send [chars] to sap [dec]: [chars]

**Explanation** Failed to send a message

**Recommended Action** No action is required.

### PORT-RESOURCES-5

**Error Message** PORT-RESOURCES-5-INVALID\_PORT\_ACTIV\_PKG\_LICENSE\_FILE\_INSTALLED: Invalid on demand port activation license file is installed for module [dec] (number of port licenses = [dec])

**Explanation** Interfaces may not acquire port activation licenses during installation

**Recommended Action** Install a valid port activation license file

## PORT Messages

This section contains the PORT messages.

### PORT-2

**Error Message** PORT-2-IF\_DOWN\_ERROR\_DISABLED: Interface [chars] is down (Error disabled) [chars] [chars]

**Explanation** The interface encountered an error while configuring it. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Collect more information about failed interface using command 'show port internal all interface [char]'. In most cases, you can recover using following commands 'config terminal', 'interface [char]', 'shutdown', 'no shutdown' on the interface or removing and re-inserting the fibre optic cable

**Error Message** PORT-2-IF\_DOWN\_LINK\_FAILURE\_CRIT: Interface [chars] is down (Link failure)

**Explanation** The physical link has gone down

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

### PORT-3

**Error Message** PORT-3-IF\_SFP\_ALARM: Interface [chars], [chars] [chars] [chars]

**Explanation** There was an alarm on the transceiver module. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please do show interface transceiver details to obtain more information

**Error Message** PORT-3-IF\_TRANSCEIVER\_READ\_ERROR: Transceiver read error for interface [chars]  
[chars] [chars]

**Explanation** Transceiver eeprom read failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Remove and insert the SFP back again. If the problem persists check if the transceiver is supported using the command: show interface transceiver. Please contact customer support to resolve the condition

**Error Message** PORT-3-IF\_UNSUPPORTED\_TRANSCEIVER: Transceiver for interface [chars] is not supported

**Explanation** Transceiver is not from an authorized vendor

**Recommended Action** This command will determine the transceiver being used: show interface transceiver. Please contact customer support for a list of authorized transceiver vendors

## PORT-4

**Error Message** PORT-4-IF\_NON\_QUALIFIED\_TRANSCEIVER: Non-qualified transceiver on interface [chars] was detected

**Explanation** The transceiver for the interface specified has not been qualified on this platform for this software release

**Recommended Action** Replace the module with a supported transceiver. Contact Cisco TAC to get platform transceiver qualification details

**Error Message** PORT-4-IF\_SFP\_CLK\_RATE\_ERROR: SFP clock rate error for interface [chars] [chars]  
[chars]

**Explanation** SFP clock rate mismatch/failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Remove the SFP and insert a new one with a different frequency type. If the problem persists check if the transceiver is supported using the command: show interface transceiver. Please contact customer support to resolve the condition

**Error Message** PORT-4-IF\_SFP\_WARNING: Interface [chars], [chars] [chars] [chars]

**Explanation** There was an warning on the transceiver module. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please do show interface transceiver details to obtain more information

**Error Message** PORT-4-IF\_TRUSTSEC\_VIOLATION: Interface [chars] encountered port security

violation [chars] [chars]

**Explanation** The port has detected port security violation. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Check port security configs on interface

## PORT-5

**Error Message** PORT-5-EC\_DISABLED\_AS\_LICENSE\_NOT\_PRESENT: Extended credit feature has been disabled as Enterprise Package license could not be checked out

**Explanation** The Enterprise Package license is not available, so the extended credit feature has been disabled even though it was present in startup config

**Recommended Action** Install the Enterprise Package license and re-enable the extended credit feature

**Error Message** PORT-5-IF\_BRINGUP\_ALLOWED\_FCOT\_CHECKSUM\_ERR: Interface [chars] is allowed to come up even with SFP checksum error [chars] [chars]

**Explanation** SFP checksum on this interface failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Try to replace the SFP on this interface

**Error Message** PORT-5-IF\_BRINGUP\_FAILED\_ALL\_ZERO\_PEER\_WWN\_RCVD: Interface [chars], is not allowed to come up (received as all zeros wwn from peer [chars] [chars])

**Explanation** Check peer interface configuration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Error Message** PORT-5-IF\_BRINGUP\_NOT\_ALLOWED\_PORT\_CONFIG\_FAILURE: Interface [chars] is not allowed to be operational due to port config failure for reason: [chars] ([hex]) [chars] [chars]

**Explanation** Check interface configuration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Try to change the configuration on the interface with the current available hardware capability

**Error Message** PORT-5-IF\_DOWN\_8G\_ARBFF\_FILL\_PATTERN\_RCVD: Interface [chars] is down (Error disabled - ARBFF fill-pattern rcvd ) [chars] [chars]

**Explanation** The port has received ARBFF fill-pattern in 8G speed. Only IDLE fill-pattern is supported.

**Recommended Action** Configure switchport fill-pattern IDLE for 8G speed on peer, and if it does not support then try different speed

**Error Message** PORT-5-IF\_DOWN\_ADMIN\_DOWN: Interface [chars] is down (Administratively down) [chars] [chars]

**Explanation** Interface has been configured to be administratively down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Perform the following commands to bring up the interface: 'config terminal', 'interface [char]', 'no shutdown'

**Error Message** PORT-5-IF\_DOWN\_BIT\_ERR\_RT\_THRES\_EXCEEDED: Interface [chars] is down (Error disabled - bit error rate too high) [chars] [chars]

**Explanation** The port has detected too high bit error rate in frames received from attached device. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Check the attached device; replace it if needed

**Error Message** PORT-5-IF\_DOWN\_BUNDLE\_MISCFG: Interface [chars] is down (Isolation due to channel mis-configuration on local or remote switch) [chars] [chars]

**Explanation** One port across a link is part of a PortChannel while the other is not. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** While adding or deleting a member port from a PortChannel, both ports across the link should be added/deleted. No operation should be performed on either ports until they are both added/deleted.

**Error Message** PORT-5-IF\_DOWN\_CFG\_CHANGE: Interface [chars] is down(Config change) [chars] [chars]

**Explanation** FCIP interface temporarily down due to reconfiguration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Error Message** PORT-5-IF\_DOWN\_CHANNEL\_ADMIN\_DOWN: Interface [chars] is down (Channel admin down) [chars] [chars]

**Explanation** This interface belongs to a PortChannel and the PortChannel is configured to be administratively down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Perform the following commands on the PortChannel interface to which it belongs to bring the interface up: 'config terminal', 'interface [char]', 'shutdown', 'no shutdown'

**Error Message** PORT-5-IF\_DOWN\_CHANNEL\_MEMBERSHIP\_UPDATE\_IN\_PROGRESS: Interface [chars] is down (Channel membership update in progress) [chars] [chars]

**Explanation** The interface belongs to a PortChannel and a configuration is being attempted on the interface while there is a configuration in progress on the PortChannel. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface

description is configured, the interface description is displayed]

**Recommended Action** Retry the configuration again

**Error Message** PORT-5-IF\_DOWN\_DENIED\_DUE\_TO\_PORT\_BINDING: Interface [chars] is down(Suspended due to port binding) [chars] [chars]

**Explanation** The F port is suspended due to being denied by port binding. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please check the port binding database to allow the host port to log in.

**Error Message** PORT-5-IF\_DOWN\_DOMAIN\_ADDR\_ASSIGN\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to domain id assignment failure) [chars] [chars]

**Explanation** Isolated due to a failure while assigning a domain. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Error Message** PORT-5-IF\_DOWN\_DOMAIN\_ID\_MISMATCH\_ISOLATION: Interface [chars] is isolated (configured fcdomain ID is different from runtime config) [chars] [chars]

**Explanation** The runtime fcdomain ID does not equal the static configured fcdomain ID. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that the fcdomain ID configuration matches the runtime config.

**Error Message** PORT-5-IF\_DOWN\_DOMAIN\_INVALID\_RCF\_RECEIVED: Interface [chars] is down (Isolation due to invalid fabric reconfiguration) [chars] [chars]

**Explanation** Invalid RCF received. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Error Message** PORT-5-IF\_DOWN\_DOMAIN\_MANAGER\_DISABLED: Interface [chars] is down (Isolation due to domain manager disabled) [chars] [chars]

**Explanation** Isolated due to domain manager being disabled. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Error Message** PORT-5-IF\_DOWN\_DOMAIN\_MAX\_RETRANSMISSION\_FAILURE: Interface [chars] is down (Isolation due to domain manager other side not responding) [chars] [chars]

**Explanation** Remote end domain manager not responding. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Error Message** PORT-5-IF\_DOWN\_DOMAIN\_NOT\_ALLOWED\_ISOLATION: Interface [chars] is isolated (domain not allowed) [chars] [chars]

**Explanation** There aren't enough allowed domains to merge the VSANs across the link. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that all assigned domain id's are in the configured allowed domains on both sides of the link.

**Error Message** PORT-5-IF\_DOWN\_DOMAIN\_OTHER\_SIDE\_EPORT\_ISOLATED: Interface [chars] is down (Isolation due to domain other side eport isolated) [chars] [chars]

**Explanation** Isolating this interface due to the remote end being isolated. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Error Message** PORT-5-IF\_DOWN\_DOMAIN\_OVERLAP\_ISOLATION: Interface [chars] is down (Isolation due to domain overlap) [chars] [chars]

**Explanation** Isolated due to domain overlap. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Error Message** PORT-5-IF\_DOWN\_DPVM\_VSAN\_NOT\_FOUND: Interface [chars] is down (dynamic vsan not present) [chars] [chars]

**Explanation** The specified dynamic vsan is not configured on this switch. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the dynamic vsan.

**Error Message** PORT-5-IF\_DOWN\_DPVM\_VSAN\_SUSPENDED: Interface [chars] is down (dynamic vsan in suspended state) [chars] [chars]

**Explanation** The specified dynamic vsan is in suspended state. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Un-suspend the dynamic vsan.

**Error Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_CLASSF\_PARAM\_ERR: Interface [chars] is down (Isolation due to ELP failure: class F param error) [chars] [chars]

**Explanation** ELP failed on the interface due to class F param error. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the attached switchport correctly and try again

**Error Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_CLASSN\_PARAM\_ERR: Interface [chars] is down (Isolation due to ELP failure: class N param error) [chars] [chars]

**Explanation** ELP failed on the interface due to class N param error. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the attached switchport correctly and try again

**Error Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_INVALID\_PAYLOAD\_SIZE: Interface [chars] is down (Isolation due to ELP failure: invalid payload size)

**Explanation** ELP failed on the interface due to invalid payload size

**Recommended Action** Configure the attached switchport correctly and try again

**Error Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_INVALID\_PORT\_NAME: Interface [chars] is down (Isolation due to ELP failure: invalid port name) [chars] [chars]

**Explanation** ELP failed on the interface due to invalid port name. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the attached switchport correctly and try again

**Error Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_INVALID\_SWITCH\_NAME: Interface [chars] is down (Isolation due to ELP failure: invalid switch name) [chars] [chars]

**Explanation** ELP failed on the interface due to invalid switch name. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the attached switchport correctly and try again

**Error Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_INVALID\_TX\_BBCREDIT: Interface [chars] is down (Isolation due to ELP failure: loopback detected) [chars] [chars]

**Explanation** ELP failed on the interface due to loopback connection detected. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Connect to a port on another switch and try again

**Error Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_LOOPBACK\_DETECTED: Interface [chars] is down (Isolation due to ELP failure: invalid transmit B2B credit) [chars] [chars]

**Explanation** ELP failed on the interface due to invalid transmit B2B credit. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the attached switchport correctly and try again

**Error Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_RATOV\_EDTOV\_MISMATCH: Interface [chars] is down (Isolation due to ELP failure: R\_A\_TOV or E\_D\_TOV mismatch) [chars] [chars]

**Explanation** ELP failed on the interface due to R\_A\_TOV or E\_D\_TOV mismatch. [optionally if the



port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure R\_A\_TOV and E\_D\_TOV values correctly and try again

**Error Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_REVISION\_MISMATCH: Interface [chars] is down (Isolation due to ELP failure: revision mismatch) [chars] [chars]

**Explanation** ELP failed on the interface due to revision mismatch. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the attached switchport correctly and try again

**Error Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_UNKNOWN\_FLOW\_CTL\_CODE: Interface [chars] is down (Isolation due to ELP failure: invalid flow control code) [chars] [chars]

**Explanation** ELP failed on the interface due to invalid flow control code. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the attached switchport correctly and try again

**Error Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_UNKNOWN\_FLOW\_CTL\_PARAM: Interface [chars] is down (Isolation due to ELP failure: invalid flow control param) [chars] [chars]

**Explanation** ELP failed on the interface due to invalid flow control param. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the attached switchport correctly and try again

**Error Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to ELP failure) [chars] [chars]

**Explanation** ELP failed on the interface. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Check the output of 'show port internal info' in the 'ELP failure reason' field

**Error Message** PORT-5-IF\_DOWN\_EPP\_FAILURE: Interface [chars] is down (Error Disabled - EPP Failure) [chars] [chars]

**Explanation** Trunk protocol failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** 'show port internal event-history msgs' will indicate the trunk protocol exchanges to determine why it failed

**Error Message** PORT-5-IF\_DOWN\_ESC\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to ESC failure) [chars] [chars]

**Explanation** ESC failed on the interface. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured,

the interface description is displayed]

**Recommended Action** Check the output of 'show port internal event-history' to determine the ESC protocol exchanges to determine how it failed

**Error Message** PORT-5-IF\_DOWN\_ETH\_IF\_DOWN: Interface [chars] is down(Tunnel port src interface down) [chars] [chars]

**Explanation** Ethernet link to which the FCIP interface is bound is down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that the ethernet cable is connected, the interface is administratively enabled

**Error Message** PORT-5-IF\_DOWN\_ETH\_LINK\_DOWN: Interface [chars] is down(Tunnel port src interface link down) [chars] [chars]

**Explanation** Ethernet link to which the FCIP interface is bound is down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that the ethernet cable is connected and the remote end is also active

**Error Message** PORT-5-IF\_DOWN\_FABRIC\_BIND\_FAILURE: Interface [chars] is down(Isolation due to fabric bind failure) [chars] [chars]

**Explanation** Fabric binding failed on this port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please check the fabric binding database to ensure that the remote port is allowed to connect to this port

**Error Message** PORT-5-IF\_DOWN\_FCOT\_NOT\_PRESENT: Interface [chars] is down (FCOT not present) [chars] [chars]

**Explanation** The FCOT has been removed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Insert an FCOT

**Error Message** PORT-5-IF\_DOWN\_FCOT\_REMOVED: Interface [chars] is down (FCOT has been removed) [chars] [chars]

**Explanation** The FCOT has been removed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Insert an FCOT

**Error Message** PORT-5-IF\_DOWN\_FCOT\_VENDOR\_NOT\_SUPPORTED: Interface [chars] is down (Error disabled - FCOT vendor not supported) [chars] [chars]

**Explanation** FCOT inserted is not a supported one. [optionally if the port belongs to port-channel,

the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please contact customer support for a list of authorized transceiver vendors

**Error Message** PORT-5-IF\_DOWN\_FCSP\_AUTHENT\_FAILURE: Interface [chars] is down (FC-SP authentication failure) [chars] [chars]

**Explanation** The port failed FC-SP authentication with its peer. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please check the FC-SP configuration.

**Error Message** PORT-5-IF\_DOWN\_FICON\_BEING\_ENABLED: Interface [chars] is down(FICON being enabled) [chars] [chars]

**Explanation** FICON is being enabled on the port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please wait. This might take a while

**Error Message** PORT-5-IF\_DOWN\_FICON\_NOT\_ENABLED: Interface [chars] is down(Error disabled - FICON not enabled) [chars] [chars]

**Explanation** FICON not enabled on port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please enable FICON on port

**Error Message** PORT-5-IF\_DOWN\_FICON\_VSAN\_DOWN: Interface [chars] is down(FICON vsan down) [chars] [chars]

**Explanation** FICON is being enabled on the port VSAN of this port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** This is an intermediary state, whereby the port VSAN of the port is being enabled to be a FICON VSAN.

**Error Message** PORT-5-IF\_DOWN\_HW\_FAILURE: Interface [chars] is down (Hardware Failure) [chars] [chars]

**Explanation** The module's hardware has failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Collect more information about failed module using command 'show module internal all module'

**Error Message** PORT-5-IF\_DOWN\_INACTIVE: Interface [chars] is down (Inactive) [chars] [chars]

**Explanation** The port VSAN has been suspended or deleted. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface

description is configured, the interface description is displayed]

**Recommended Action** Assign a new active port VSAN to the interface

**Error Message** PORT-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_MODE: Interface [chars] is down (Error disabled - Incompatible admin port mode) [chars] [chars]

**Explanation** The configured mode is not supported on this interface. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Perform a 'show port internal info' to determine the list of modes supported on this interface

**Error Message** PORT-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_RXBBCREDIT: Interface [chars] is down (Error disabled - Incompatible admin port rxbbcredit) [chars] [chars]

**Explanation** The configured receive B2B credit size is not supported. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Get the allowed receive B2B credit size from 'show port internal info'

**Error Message** PORT-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_RXBUFSIZE: Interface [chars] is down (Error disabled - Incompatible admin port rxbufsize) [chars] [chars]

**Explanation** The configured receive buffer size is not supported. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Get the allowed receive buffer size from 'show port internal info'

**Error Message** PORT-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_SPEED: Interface [chars] is down (Error disabled - Incompatible admin port speed) [chars] [chars]

**Explanation** The configured speed is not supported on this interface. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Perform a 'show port internal info' to determine the range of speed supported on this interface

**Error Message** PORT-5-IF\_DOWN\_INITIALIZING: Interface [chars] is down (Initializing) [chars] [chars]

**Explanation** The interface is in the process of coming up. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** If the interface is stuck in this state for a while, check the output of 'show port internal event-history' to determine what it is waiting for

**Error Message** PORT-5-IF\_DOWN\_INTERFACE\_REMOVED: Interface [chars] is down (Interface removed) [chars] [chars]

**Explanation** Interface removed. [optionally if the port belongs to port-channel, the port-channel

number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Error Message** PORT-5-IF\_DOWN\_INVALID\_ATTACHMENT: Interface [chars] is down(Invalid attachment) [chars] [chars]

**Explanation** The peer port does not have the compatible security attributes. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please ensure that the peer port has compatible security attributes as the local port.

**Error Message** PORT-5-IF\_DOWN\_INVALID\_CONFIG: Interface [chars] is down(Error disabled - Possible PortChannel misconfiguration) [chars] [chars]

**Explanation** The local and peer port have a PortChannel membership misconfiguration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that both the local and peer ports are either both members of the same PortChannel or are not both part of PortChannel

**Error Message** PORT-5-IF\_DOWN\_INVALID\_FABRIC\_BINDING: Interface [chars] is down(Invalid fabric binding exchange) [chars] [chars]

**Explanation** Fabric binding failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please check fabric binding database

**Error Message** PORT-5-IF\_DOWN\_LINK\_FAILURE: Interface [chars] is down (Link failure [chars]) [chars] [chars]

**Explanation** The physical link has gone down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

**Error Message** PORT-5-IF\_DOWN\_LOCALLY\_DISRUPTIVE\_RECONFIGURATION: Interface [chars] is down (fcdomain applied a locally disruptive reconfiguration) [chars] [chars]

**Explanation** Fcdomain applied a locally disruptive reconfiguration (local domain became invalid. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Error Message** PORT-5-IF\_DOWN\_LOOPBACK\_DIAG\_FAILURE: Interface [chars] is down (Diag failure) [chars] [chars]

**Explanation** Diag failed on the interface. [optionally if the port belongs to port-channel, the port-

channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Collect more information about failed interface using command 'attach module' to connect to module

**Error Message** PORT-5-IF\_DOWN\_LOOPBACK\_ISOLATION: Interface [chars] is down (Isolation due to port loopback to same switch) [chars] [chars]

**Explanation** The interface is looped back to another interface on the same switch. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Check the connectivity of this interface and ensure that it is connected to another switch

**Error Message** PORT-5-IF\_DOWN\_MODULE\_REMOVED: Interface [chars] is down (module removed) [chars] [chars]

**Explanation** Interface is down because the module was removed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Error Message** PORT-5-IF\_DOWN\_NONE: Interface [chars] is down (None) [chars] [chars]

**Explanation** There is no apparent reason the interface is down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Collect more information about port using command 'show port internal all interface [char]' to determine why it went down

**Error Message** PORT-5-IF\_DOWN\_NON\_PARTICIPATING: Interface [chars] is down (Non participating) [chars] [chars]

**Explanation** The loop port has been put into non participating mode. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Error Message** PORT-5-IF\_DOWN\_NOS\_RCVD: Interface [chars] is down (NOS received) [chars] [chars]

**Explanation** The physical link has gone down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

**Error Message** PORT-5-IF\_DOWN\_NO\_TRUNK\_OPER\_VSANS\_ISOLATION: Interface [chars] is down(Isolation due to no common vsans with peer on trunk) [chars] [chars]

**Explanation** The trunk port is isolated as there are no common VSANs to be brought up with the peer port. [optionally if the port belongs to port-channel, the port-channel number to which the port

belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please check that there are common VSANs configured and allowed to come up between the ports.

**Error Message** PORT-5-IF\_DOWN\_OFFLINE: Interface [chars] is down (Offline) [chars] [chars]

**Explanation** The interface has been placed into the offline state. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Error Message** PORT-5-IF\_DOWN\_OHMS\_EXTERNAL\_LB\_TEST: Interface [chars] is down(Loopback test) [chars] [chars]

**Explanation** Loopback tests. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please wait. This might take a while

**Error Message** PORT-5-IF\_DOWN\_OLS\_RCVD: Interface [chars] is down (OLS received) [chars] [chars]

**Explanation** The physical link has gone down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

**Error Message** PORT-5-IF\_DOWN\_PARENT\_ADMIN\_DOWN: Interface [chars] is down (Parent interface down) [chars] [chars]

**Explanation** Parent interface is down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Error Message** PORT-5-IF\_DOWN\_PEER\_CLOSE: Interface [chars] is down(TCP conn. closed by peer) [chars] [chars]

**Explanation** The FCIP peer connected to this interface closed the TCP connection. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** This command will provide the peer IP address of this FCIP interface: show interface. Check to see why the peer closed the TCP connection

**Error Message** PORT-5-IF\_DOWN\_PEER\_RESET: Interface [chars] is down(TCP conn. reset by peer) [chars] [chars]

**Explanation** TCP connection to the FCIP peer got reset. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Check to see why the peer reset the TCP connection

**Error Message** PORT-5-IF\_DOWN\_PORT\_ACT\_LICENSE\_NOT\_AVAILABLE: Interface [chars] is allowed to come up BUT port activation license not available [chars] [chars]

**Explanation** Assign a port activation license to this port after installing additional port activation licenses as needed. [cmd: conf t; interface fc / ; port-license acquire;]

**Recommended Action** No action is required.

**Error Message** PORT-5-IF\_DOWN\_PORT\_BIND\_FAILURE: Interface [chars] is down(Isolation due to port bind failure) [chars] [chars]

**Explanation** Port binding failed on this port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please check the port binding database to ensure that the remote port is allowed to connect to this port

**Error Message** PORT-5-IF\_DOWN\_PORT\_BLOCKED: Interface [chars] is down(Port blocked due to FICON) [chars] [chars]

**Explanation** The port has been blocked by FICON configuration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please unblock the port in FICON configuration.

**Error Message** PORT-5-IF\_DOWN\_PORT\_CHANNEL\_MEMBERS\_DOWN: Interface [chars] is down (No operational members) [chars] [chars]

**Explanation** This is a PortChannel interface and all its members are operationally down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Enable at least one of the PortChannel's members

**Error Message** PORT-5-IF\_DOWN\_PORT\_VSAN\_MISMATCH\_ISOLATION: Interface [chars] is down (Isolation due to port VSAN mismatch) [chars] [chars]

**Explanation** Isolated due to a mismatch in the configured port VSAN of the local and remote ends. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the port VSAN of the local and remote interfaces to be the same and perform a 'shutdown' and a 'no shutdown'

**Error Message** PORT-5-IF\_DOWN\_RCF\_IN\_PROGRESS: Interface [chars] is down (RCF in progress) [chars] [chars]

**Explanation** There is an RCF in progress. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]



**Recommended Action** No action is required.

**Error Message** PORT-5-IF\_DOWN\_SOFTWARE\_FAILURE: Interface [chars] is down (Port software failure) [chars] [chars]

**Explanation** The software servicing the data path on the port has failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Error Message** PORT-5-IF\_DOWN\_SRC\_MOD\_NOT\_ONLINE: Interface [chars] is down(Tunnel source module not online) [chars] [chars]

**Explanation** Module that has the tunnel source port of this FCIP interface is not fully online. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** The module that has the tunnel src port is coming online. Please use show mod to find module status

**Error Message** PORT-5-IF\_DOWN\_SRC\_PORT\_NOT\_BOUND: Interface [chars] is down (Tunnel port src interface unbound) [chars] [chars]

**Explanation** Tunnel port source interface unbound. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Error Message** PORT-5-IF\_DOWN\_SRC\_PORT\_REMOVED: Interface [chars] is down(Tunnel src port removed) [chars] [chars]

**Explanation** Tunnel source port of this FCIP interface has been removed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** The src interface with ip address that matches the ip address of the bound entity is removed. This happens normally due to the module on which the src interface exists is removed

**Error Message** PORT-5-IF\_DOWN\_SUSPENDED\_BY\_MODE: Interface [chars] is down (Suspended due to incompatible mode) [chars] [chars]

**Explanation** This interface belongs to a PortChannel and operational mode of the interface is different from that of the PortChannel. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Change the mode and the trunking mode of the PortChannel from 'auto' and check to ensure that the remote end of the interface also belongs to the same PortChannel

**Error Message** PORT-5-IF\_DOWN\_SUSPENDED\_BY\_SPEED: Interface [chars] is down (Suspended due to incompatible speed) [chars] [chars]

**Explanation** This interface belongs to a PortChannel and operational speedode of the interface is

different from that of the PortChannel. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Change the speed of the PortChannel from 'auto' and check to ensure that the remote end of the interface also belongs to the same PortChannel

**Error Message** PORT-5-IF\_DOWN\_SUSPENDED\_BY\_WWN: Interface [chars] is down (Suspended due to incompatible remote switch WWN) [chars] [chars]

**Explanation** This interface belongs to a PortChannel and remote switch WWN of the interface is different from that of the PortChannel. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that this interface is connected to the same remote switch as all the other interfaces in the PortChannel

**Error Message** PORT-5-IF\_DOWN\_SUSPENDED: Interface [chars] is down (Suspended) [chars] [chars]

**Explanation** This interface belongs to a PortChannel and has been suspended to to an error while bringing it up. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** In most cases, you can recover using following commands 'config terminal', 'interface [char]', 'shutdown', 'no shutdown' on the interface. If this happens again obtain output of 'show port internal all interface [char]' on the interface

**Error Message** PORT-5-IF\_DOWN\_TCP\_KEEP\_ALIVE\_EXPIRED: Interface [chars] is down(TCP conn. closed - Keep alive expired) [chars] [chars]

**Explanation** TCP session to the FCIP peer got closed due to loss of TCP keep alive. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command:traceroute ipaddr

**Error Message** PORT-5-IF\_DOWN\_TCP\_MAX\_RETRANSMIT: Interface [chars] is down(TCP conn. closed - retransmit failure) [chars] [chars]

**Explanation** Interface is down due to maximum retransmission failure. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command:traceroute ipaddr

**Error Message** PORT-5-IF\_DOWN\_TCP\_PERSIST\_TIMER\_EXPIRED: Interface [chars] is down(TCP conn. closed - Persist timer expired) [chars] [chars]

**Explanation** TCP session to the FCIP peer closed because TCP persist timer expired. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed]

and if interface description is configured, the interface description is displayed]

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command:traceroute ipaddr

**Error Message** PORT-5-IF\_DOWN\_TOO\_MANY\_INTR: Interface [chars] is down (Error disabled - too many interrupts) [chars] [chars]

**Explanation** The port has received too many interrupts in the hardware. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Check the attached device; replace it if needed

**Error Message** PORT-5-IF\_DOWN\_TOO\_MANY\_INVALID\_FLOGIS: Interface [chars] is down(Suspended due to too many invalid flogis [chars] [chars]

**Explanation** The port is suspended due to receiving a large number of invalid FLOGI's. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please check the HBA and perform a shut, followed by no shut on the port.

**Error Message** PORT-5-IF\_DOWN\_UPGRADE\_IN\_PROGRESS: Interface [chars] is down (Linecard upgrade in progress) [chars] [chars]

**Explanation** Upgrade of the linecard software is in progress. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Error Message** PORT-5-IF\_DOWN\_VIRTUAL\_IVR\_DOMAIN\_OVERLAP\_ISOLATION: Interface [chars] is down (Isolation due to virtual IVR domain overlap) [chars] [chars]

**Explanation** Isolated due to virtual IVR domain overlap. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Error Message** PORT-5-IF\_DOWN\_VSAN\_MISMATCH\_ISOLATION: Interface [chars] is down (Isolation due to vsan mismatch) [chars] [chars]

**Explanation** This is a trunking interface and the VSANs configured do not match with the VSANs configured on the remote end. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Check the VSANs configured on the local end with the remote end

**Error Message** PORT-5-IF\_DOWN\_ZONE\_MERGE\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to zone merge failure) [chars] [chars]

**Explanation** Isolated due to a failure during zone merge. [optionally if the port belongs to port-

channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Error Message** PORT-5-IF\_DOWN\_ZONE\_REMOTE\_NO\_RESP\_ISOLATION: Interface [chars] is down (Isolation due to remote zone server not responding) [chars] [chars]

**Explanation** Isolated due to remote zone server not responding. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Error Message** PORT-5-IF\_PORT\_GUARD\_DOWN: Interface [chars] is down ([chars]) [chars] [chars]

**Explanation** The interface is down due to port guard configuration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Perform a shut followed by no shut to bring up the interface

**Error Message** PORT-5-IF\_PORT\_QUIESCE\_FAILED: Interface [chars] port quiesce failed due to failure reason: [chars] ([hex])

**Explanation** There may be few packet drops due to this failure

**Recommended Action** No action is required.

**Error Message** PORT-5-IF\_PSS\_DUPLICATE\_KEY: Duplicate key found for Interface [chars]

**Explanation** Duplicate pss key detected

**Recommended Action** No action is required.

**Error Message** PORT-5-IF\_TRUNK\_DOWN: Interface [chars], vsan [chars] is down ([chars]) [chars] [chars]

**Explanation** Interface [chars] is trunking, VSAN [chars] is down with reason in (). [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** The following commands will help determine why this VSAN is down on this interface: show interface, show port internal info interface VSAN, show port internal event-history interface VSAN

**Error Message** PORT-5-IF\_TRUNK\_UP: Interface [chars], vsan [chars] is up [chars] [chars]

**Explanation** Interface [chars] is trunking, VSAN [chars] is up. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Error Message** PORT-5-IF\_UP\_PORT\_ACT\_LICENSE\_NOT\_AVAILABLE: Interface [chars] is allowed to come UP though port activation license not available [chars] [chars]. Install and checkout port-

license

**Explanation** Assign a port activation license to this port after installing additional port activation licenses as needed. [cmd: conf t; interface fc / ; port-license acquire;]

**Recommended Action** No action is required.

**Error Message** PORT-5-IF\_UP: Interface [chars] is up [chars] [chars] [chars]

**Explanation** Interface is up in mode specified, if applicable. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Error Message** PORT-5-MODULE\_BRINGUP\_NOT\_ALLOWED: Not allowing module [dec] to come up for reason: [chars] ([hex])

**Explanation** Module is not allowed to be operational due to the current system state

**Recommended Action** Use command "show module recovery-steps" and follow the steps described

**Error Message** PORT-5-MODULE\_INDEX\_RESTORE\_ERROR: Error in restoring indices for module [dec]: reason [chars] ([hex])

**Explanation** Restore of module index may fail due to overlap of indices

**Recommended Action** No action is required.

**Error Message** PORT-5-MODULE\_UNLIMITED\_OSM\_SEQ\_FAILED: Enable/Disable of unlimited oversubscription failed for module [dec]

**Explanation** Interfaces of the module may be in indeterminate state

**Recommended Action** Reload the module

## PRIVATE\_VLAN Messages

This section contains the PRIVATE\_VLAN messages.

### PRIVATE\_VLAN-2

**Error Message** PRIVATE\_VLAN-2-PVLAN\_ASSOC\_DOWN\_FAILED: Failed to bring down the association between [dec] & [dec]

**Explanation** Association bringdown failed

**Recommended Action** No action is required.

**Error Message** PRIVATE\_VLAN-2-PVLAN\_ASSOC\_UP\_FAILED: Failed to bring up the association between [dec] & [dec]

**Explanation** Association bringup failed

**Recommended Action** No action is required.

**Error Message** PRIVATE\_VLAN-2-PVLAN\_ELTM\_MTS\_SEND\_FAILED: MTS send failed while communicating with ELTM.

**Explanation** ELTM MTS send failed

**Recommended Action** No action is required.

**Error Message** PRIVATE\_VLAN-2-PVLAN\_ELTM\_TIMED\_OUT: ELTM timed out while configuring hardware.

**Explanation** ELTM timed out

**Recommended Action** No action is required.

**Error Message** PRIVATE\_VLAN-2-PVLAN\_ETHPM\_TIMED\_OUT: ETHPM timed out while configuring/unconfiguring hardware

**Explanation** ETHPM timed out

**Recommended Action** No action is required.

**Error Message** PRIVATE\_VLAN-2-PVLAN\_FAIL\_TO\_ASSOCIATE\_PRIMARY\_WITH\_SECONDARY\_VLAN: Failed to bring up the association between [dec] & [dec]

**Explanation** Association between primary and secondary vlan failed due to an error returned by vlan manager

**Recommended Action** No action is required.

**Error Message** PRIVATE\_VLAN-2-PVLAN\_FAIL\_TO\_COMMUNICATE\_REMOVE\_VLAN\_ASSOCIATION\_TO\_ELTM: Failed to bring down the association between [dec] & [dec]

**Explanation** Fail to remove association between primary and secondary vlan due to an error returned by eltm manager

**Recommended Action** No action is required.

**Error Message** PRIVATE\_VLAN-2-PVLAN\_FAIL\_TO\_COMMUNICATE\_VLAN\_ASSOCIATION\_TO\_ELTM: Failed to bring up the association between [dec] & [dec]

**Explanation** Failed to associate primary and secondary vlan due to an error returned by eltm manager

**Recommended Action** No action is required.

**Error Message** PRIVATE\_VLAN-2-PVLAN\_FAIL\_TO\_REMOVE\_ASSOCIATION\_BETWEEN\_PRIMARY\_AND\_SECONDARY\_VLAN: Failed to bring down the association between [dec] & [dec]

**Explanation** Removing association between primary and secondary vlan failed due to an error returned by vlan manager

**Recommended Action** No action is required.

**Error Message** PRIVATE\_VLAN-2-PVLAN\_HW\_ERROR: Error [hex] occurred for ifindex [hex] while programming hardware: [chars]

**Explanation** Hardware Configuration Error

**Recommended Action** No action is required.

**Error Message** PRIVATE\_VLAN-2-PVLAN\_PIXM\_MTS\_SEND\_FAILED: MTS send failed while communicating with PIXM

**Explanation** PIXM MTS send failed

**Recommended Action** No action is required.

**Error Message** PRIVATE\_VLAN-2-PVLAN\_PIXM\_TIMED\_OUT: PIXM timed out while configuring hardware.

**Explanation** PIXM timed out

**Recommended Action** No action is required.

### PRIVATE\_VLAN-3

**Error Message** PRIVATE\_VLAN-3-PVLAN\_ASSOC\_SDB\_UPDATE\_FAILED: Failed to update SDB while [chars] association for vlan [dec]

**Explanation** SDB Update failed

**Recommended Action** No action is required.

**Error Message** PRIVATE\_VLAN-3-PVLAN\_IN\_USE: PVLAN [dec] in use by interface [chars], please do "no switchport access vlan" or "no switchport private-vlan host-association"

**Explanation** PVLAN in use

**Recommended Action** No action is required.

**Error Message** PRIVATE\_VLAN-3-PVLAN\_NOT\_PRIMARY\_VLAN: VLAN [dec] is not a primary vlan. Invalid operation.

**Explanation** We cant remove association from secondary vlan

**Recommended Action** No action is required.

**Error Message** PRIVATE\_VLAN-3-PVLAN\_SEC\_VLAN\_NOT\_EXIST: VLAN [dec] is not associated with primary VLAN [dec]

**Explanation** This secondary vlan is not associated with primary vlan

**Recommended Action** No action is required.

**Error Message** PRIVATE\_VLAN-3-PVLAN\_VLANMGR\_FAILURE: Cannot restore association operational state. Failed to communicate with VLAN manager

**Explanation** Restoring association operational status failed

**Recommended Action** No action is required.

### PRIVATE\_VLAN-5

**Error Message** PRIVATE\_VLAN-5-PVLAN\_DISABLED: PVLAN Disabled

**Explanation** PVLAN Service Disabled

**Recommended Action** No action is required.

**Error Message** PRIVATE\_VLAN-5-PVLAN\_DISABLE\_FAILED: Disabling of private-vlan failed. Either shutdown these ports or remove the ports that are in switchport mode private-vlan: [chars]

**Explanation** Disabling of private-vlan failed

**Recommended Action** No action is required.

**Error Message** PRIVATE\_VLAN-5-PVLAN\_ENABLED: PVLAN Enabled

**Explanation** PVLAN Service Enabled

**Recommended Action** No action is required.

**Error Message** PRIVATE\_VLAN-5-PVLAN\_VTP\_DISABLE\_FAILED: Either remove all private-vlans from VTP domain or change VTP to transparent mode

**Explanation** Disabling of private-vlan failed

**Recommended Action** No action is required.

## PSS Messages

This section contains the PSS messages.

### PSS-0

**Error Message** PSS-0-PSS\_NO\_MORE\_PAGES: [chars]: needs more working pages

**Explanation** Service needs more working page buffers

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

**Error Message** PSS-0-PSS\_NO\_MORE\_RSM\_PAGES: [chars]: needs more rsm pages

**Explanation** Service needs more rsm page buffers

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

**Error Message** PSS-0-PSS\_READ\_DATA\_FAILURE: [chars]: failed to read data to [chars] block [dec]: [chars]

**Explanation** PSS cannot read data

**Recommended Action** No action is required.

**Error Message** PSS-0-PSS\_SYNC\_DATA\_FAILURE: [chars]: failed to sync data to [chars]: [chars]



**Explanation** PSS cannot sync data due to filesystem or disk error

**Recommended Action** No action is required.

**Error Message** PSS-0-PSS\_SYNC\_LOG\_FAILURE: [chars]: failed to sync log: [chars]

**Explanation** PSS cannot sync log due to filesystem or disk error

**Recommended Action** No action is required.

**Error Message** PSS-0-PSS\_UNKNOWN\_LOG: [chars]: unknown log type [hex] at offset [dec]

**Explanation** Unknown logging entry found

**Recommended Action** No action is required.

**Error Message** PSS-0-PSS\_WRITE\_DATA\_FAILURE: [chars]: failed to write data to [chars] block [dec]: [chars]

**Explanation** PSS cannot write data due to filesystem or disk error

**Recommended Action** No action is required.

**Error Message** PSS-0-PSS\_WRITE\_FAILURE: [chars]: failed to write data: [chars]

**Explanation** PSS cannot write data due to filesystem or disk error

**Recommended Action** No action is required.

**Error Message** PSS-0-PSS\_WRITE\_LOG\_FAILURE: [chars]: failed to write log: [chars]

**Explanation** PSS cannot write log due to filesystem or disk error

**Recommended Action** No action is required.

## PSS-1

**Error Message** PSS-1-PSS\_INVALID\_MAGIC: [chars]: database [chars] has invalid magic number [hex]

**Explanation** PSS found a corrupted database with invalid magic number

**Recommended Action** No action is required.

**Error Message** PSS-1-PSS\_META\_READ\_ERROR: [chars]: cannot read meta page from [chars]: [chars]

**Explanation** PSS cannot read meta page of a database

**Recommended Action** No action is required.

**Error Message** PSS-1-PSS\_STAT\_ERROR: [chars]: cannot stat [chars]: [chars]

**Explanation** PSS cannot do fstat on a database

**Recommended Action** No action is required.

**Error Message** PSS-1-PSS\_VERSION\_MISMATCH: [chars]: found version mismatch in [chars]

**Explanation** PSS found a database whose format it cannot interpret due to version mismatch

**Recommended Action** The image upgrade was not done properly; write erase should cure it as a last step

## PSS-2

**Error Message** PSS-2-PSS\_ERROR: [chars]

**Explanation** PSS error log

**Recommended Action** No action is required.

**Error Message** PSS-2-PSS\_INFRACONVERT: [chars]

**Explanation** Error in libinfraconvert during pss conversion

**Recommended Action** No action is required.

**Error Message** PSS-2-PSS\_INVALID\_SIZE: [chars]: database [chars] ([chars]) has invalid size %ld (block size [dec])

**Explanation** PSS found a database with invalid size - probably due to a crash

**Recommended Action** No action is required.

**Error Message** PSS-2-PSS\_MISSING\_FILE: [chars]: database [chars] missing [chars] file

**Explanation** PSS database is incomplete; probably due to a crash

**Recommended Action** No action is required.

**Error Message** PSS-2-PSS\_RECOVERY\_FAILED: [chars]: failed to recover [chars]

**Explanation** PSS recovery failed

**Recommended Action** No action is required.

## PSS-4

**Error Message** PSS-4-PSS\_CLEANUP: [chars]: cleaning up [chars]

**Explanation** PSS removed a leftover or corrupted file

**Recommended Action** No action is required.

**Error Message** PSS-4-PSS\_RECOVERY\_ENDED: [chars]: recovered [chars] successfully

**Explanation** PSS recovery finished

**Recommended Action** No action is required.

**Error Message** PSS-4-PSS\_RECOVERY\_STARTED: [chars]: recovering [chars]: [dec] valid transactional records

**Explanation** PSS started recovery of previous aborted transaction

**Recommended Action** No action is required.

## PSS-5

**Error Message** PSS-5-PSS\_CONVERT\_FORMAT: [chars]: converting pss format: [chars]

**Explanation** PSS format is being converted

**Recommended Action** No action is required.

**Error Message** PSS-5-PSS\_CONVERT\_LAYOUT: [chars]: converting pss layout: [chars] (params [dec]/[dec]/[dec] -> [dec]/[dec]/[dec])

**Explanation** PSS layout is being converted

**Recommended Action** No action is required.

**Error Message** PSS-5-PSS\_SHRINK: [chars]: shrinking pss: [chars]

**Explanation** PSS is being shrunk to remove free space

**Recommended Action** No action is required.

**Error Message** PSS-5-SDB\_CLOSED\_AT\_COMMIT: [chars]: sdb [chars] is closed: token [dec] is not committed

**Explanation** Publisher received SDB commit but sdb was already closed

**Recommended Action** No action is required.

## QOS Messages

This section contains the QOS messages.

### QOS-2

**Error Message** QOS-2-EXITING: Exit reason: [chars]

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

**Recommended Action** No action is required.

**Error Message** QOS-2-GENERAL\_ERROR: [chars]

**Explanation** The QOS Manager has encountered a critical error. The description of error is [str.].

**Recommended Action** No action is required.

**Error Message** QOS-2-INITFAIL: QoS Manager Initialization failed: [chars]

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

**Recommended Action** No action is required.

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

**Explanation** The QOS Manager could not allocate memory.

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

**Error Message** QOS-2-PSS\_ERROR: [chars]: PSS returned value=[dec]

**Explanation** The QOS Manager encountered error while operating on a persistent storage database.

**Recommended Action** No action is required.

**Error Message** QOS-2-STDOUT\_ROTATE\_FAILURE: Failed to rotate stdout file: [chars]

**Explanation** The QOS Manager has failed to rotate its current stdout file with filename [str.]. The file size could grow beyond its maximum limit.

**Recommended Action** No action is required.

## QOS-3

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

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

**Recommended Action** No action is required.

**Error Message** QOS-3-DBERROR: [chars]

**Explanation** QoS Manager encountered a database error. [chars] specifies the context where the failure occurred.

**Recommended Action** No action is required.

**Error Message** QOS-3-E\_PORT\_ACL\_FAILURE: Failed to [chars] QoS ACL for interface [chars] (ACL return code=[hex])

**Explanation** The QOS Manager has failed to program or erase QoS related ACL when an E-Port came up or went down for interface [str.]. The error code returned by ACL module is [int.].

**Recommended Action** No action is required.

**Error Message** QOS-3-FAILURE\_RESPONSE: [chars] [hex]

**Explanation** QoS Manager failed to get response [chars][hex] specify the context where the failure occurred.

**Recommended Action** No action is required.

**Error Message** QOS-3-GENERROR: [chars]

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

**Recommended Action** No action is required.

**Error Message** QOS-3-LICERR: [chars]

**Explanation** QoS Manager failed to get license.

**Recommended Action** No action is required.

**Error Message** QOS-3-MTSERROR: [chars]

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

**Recommended Action** No action is required.

**Error Message** QOS-3-PSSERROR: [chars]

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

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

**Error Message** QOS-3-TIMEOUT\_ERROR: [chars] [hex]

**Explanation** QoS Manager encountered a timeout [chars][hex] specify the context where the failure occurred.

**Recommended Action** No action is required.

**Error Message** QOS-3-UNKNOWN\_MSG: Received from Node=[dec] SAP=[dec]

**Explanation** The QOS Manager has received an unknown message from [dec].[dec]. This information is for debugging only.

**Recommended Action** No action is required.

## QOS-4

**Error Message** QOS-4-LICEXP: [chars]

**Explanation** QoS Manager license is going to expire. [chars] gives the expected time of expiry.

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

## QOS-6

**Error Message** QOS-6-BECAME\_ACTIVE: Became ACTIVE from standby mode.

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

**Recommended Action** No action is required.

**Error Message** QOS-6-BECAME\_STDBY: Became STANDBY from active mode.

**Explanation** The QOS Manager became standby from active mode.

**Recommended Action** No action is required.

**Error Message** QOS-6-DISABLED\_UP\_MARKING: [chars]

**Explanation** The QoS Manager has disabled marking of time-critical control traffic as high-priority traffic. Priority of such traffic is now not altered by QoS Manager.

**Recommended Action** No action is required.

**Error Message** QOS-6-ENABLED\_UP\_MARKING: [chars]

**Explanation** The QoS Manager has enabled marking of time-critical control traffic as high-priority traffic.

**Recommended Action** No action is required.

**Error Message** QOS-6-EXCESSIVE\_DELAY: [chars]

**Explanation** Excessive time taken for a processing event. The description of the event is [str.].

**Recommended Action** No action is required.

**Error Message** QOS-6-E\_PORT\_ACL\_SUCCESS: Successfully [chars] QoS ACL for interface [chars]

**Explanation** The QOS Manager has successfully programmed or erased QoS related ACL when an E-Port came up or went down for interface [str.].

**Recommended Action** No action is required.

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

**Explanation** The QOS Manager was unable to send heartbeat to the system manager.

**Recommended Action** No action is required.

**Error Message** QOS-6-GENERAL\_EVENT: [chars]

**Explanation** The QOS Manager has generated an important event. The description of the event is [str.].

**Recommended Action** No action is required.

**Error Message** QOS-6-MGRCREATED: QoS Manager created

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

**Recommended Action** No action is required.

**Error Message** QOS-6-MGREXIT: QoS Manager shutting down gracefully

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

**Recommended Action** No action is required.

**Error Message** QOS-6-PSS\_CREATED: [chars] PSS Created

**Explanation** One of the persistent information database of QoS Manager has been recreated.

**Recommended Action** No action is required.

**Error Message** QOS-6-PSS\_DESTROYED: [chars] PSS Destroyed

**Explanation** One of the persistent information databases of QoS Manager has been intentionally destroyed and would be recreated.

**Recommended Action** No action is required.

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

**Explanation** The QoS Manager is up and ready to accept client requests The service was initialized in [char] mode.

**Recommended Action** No action is required.

**Error Message** QOS-6-SWITCHOVER: Switching Over to other Supervisor.

**Explanation** The QoS Manager has successfully switched over to the standby supervisor card.

**Recommended Action** No action is required.

**Error Message** QOS-6-UNKNOWNMTS: QoS Manager received an unexpected message

**Explanation** QoS Manager received an unexpected message.

**Recommended Action** No action is required.

## RADIUS Messages

This section contains the RADIUS messages.

### RADIUS-2

**Error Message** RADIUS-2-RADIUS\_NO\_AUTHEN\_INFO: ASCII authentication not supported

**Explanation** ASCII authentication not supported.

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

**Error Message** RADIUS-2-RADIUS\_PROGRAM\_EXIT: RADIUS daemon exiting: [chars]

**Explanation** RADIUS daemon is exiting.

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

## RADIUS-3

**Error Message** RADIUS-3-RADIUS\_ERROR\_MESSAGE: [chars]

**Explanation** RADIUS Error Message

**Recommended Action** No action is required.

## RADIUS-4

**Error Message** RADIUS-4-RADIUS\_WARNING: [chars]

**Explanation** RADIUS Warning

**Recommended Action** No action is required.

## RADIUS-5

**Error Message** RADIUS-5-RADIUS\_MONITOR\_STATUS: [chars] [chars]

**Explanation** Notifying Radius server monitor status change

**Recommended Action** No action is required.

**Error Message** RADIUS-5-RADIUS\_NOTIFICATION: [chars]

**Explanation** RADIUS Notification

**Recommended Action** No action is required.

**Error Message** RADIUS-5-RADIUS\_SERVER\_STATUS: [chars] server [chars] with auth-port [dec] and acct-port [dec] status has changed from [chars] to [chars]. Server was in previous-state for [chars], and total dead time of the server is [chars]

**Explanation** Notifying Radius server status change

**Recommended Action** No action is required.

## RADIUS-6

**Error Message** RADIUS-6-RADIUS\_ACCOUNTING\_MESSAGE: [chars]

**Explanation** Accounting Message

**Recommended Action** No action is required.



**Error Message** RADIUS-6-RADIUS\_MESSAGE: [chars]

**Explanation** RADIUS Message

**Recommended Action** No action is required.

## SAL Messages

This section contains the SAL messages.

### SAL-5

**Error Message** SAL-5-SAL\_DISABLED: SAL Disabled

**Explanation** SAL Service Disabled

**Recommended Action** No action is required.

**Error Message** SAL-5-SAL\_ENABLED: SAL Enabled

**Explanation** SAL Service nabled

**Recommended Action** No action is required.

## SCHEDULER Messages

This section contains the SCHEDULER messages.

### SCHEDULER-2

**Error Message** SCHEDULER-2-SCH\_SYSLOG\_MALLOC\_ERR: Out of memory: [chars]

**Explanation** Process memory exhausted. Possible memory leak.

**Recommended Action** Contact TAC

**Error Message** SCHEDULER-2-SCH\_SYSLOG\_MTS\_ERR: MTS error: [chars]

**Explanation** MTS operation failure

**Recommended Action** Contact TAC

**Error Message** SCHEDULER-2-SCH\_SYSLOG\_PSS\_SNAPSHOT\_ERR: Source URI:[chars] Destination URI:[chars] errcode:[dec]

**Explanation** Error while performing snapshot I/O to PSS

**Recommended Action** Contact TAC

**Error Message** SCHEDULER-2-SCH\_SYSLOG\_SDWRAP\_ERR: Debug infrastructure initialization failed: [chars]

**Explanation** Debug infrastructure failed to initialize

**Recommended Action** Contact TAC

## SCHEDULER-3

**Error Message** SCHEDULER-3-SCH\_ERR: [chars]

**Explanation** Scheduler error

**Recommended Action** No action is required.

**Error Message** SCHEDULER-3-SCH\_SYSLOG\_FILE\_ERR: [chars] Error:[chars]

**Explanation** File handling error

**Recommended Action** No action is required.

**Error Message** SCHEDULER-3-SCH\_SYSLOG\_PSS\_ERR: Purpose:[chars] URI:[chars] Error:[dec]

**Explanation** Error while performing I/O to PSS

**Recommended Action** Contact TAC

**Error Message** SCHEDULER-3-SCH\_SYSLOG\_USER\_ERR: Description:Failed to execute job for user id [chars] Error:[dec]

**Explanation** Error while attempting to execute job for user. Possibly, the user is removed from the system.

**Recommended Action** Ensure the user exists. Make sure he is not a remotely authenticated user.

## SCHEDULER-4

**Error Message** SCHEDULER-4-SCH\_WARN: [chars]

**Explanation** Scheduler warning

**Recommended Action** No action is required.

## SCHEDULER-6

**Error Message** SCHEDULER-6-SCH\_MSG: [chars]

**Explanation** Scheduler Message

**Recommended Action** No action is required.

## SECURITYD Messages

This section contains the SECURITYD messages.

### SECURITYD-2

**Error Message** SECURITYD-2-FEATURE\_ENABLE\_DISABLE: User [chars] has [chars] the feature [chars]

**Explanation** User has enabled or disabled the feature

**Recommended Action** No action is required.

**Error Message** SECURITYD-2-FEATURE\_NXAPI\_ENABLE: Feature nxapi is being enabled [chars]

**Explanation** Feature nxapi has been enabled with https and the http port is disabled

**Recommended Action** To enable http access to the device, please configure 'nxapi http port '

**Error Message** SECURITYD-2-FIPS\_BYPASS\_SELF\_TEST\_STATUS: FIPS Bypass self-test status : [chars]

**Explanation** Status of FIPS self-test [chars]

**Recommended Action** No action is required.

**Error Message** SECURITYD-2-FIPS\_CRNG\_SELF\_TEST\_STATUS: FIPS CRNG self-test status : [chars]

**Explanation** Status of FIPS self-test [chars]

**Recommended Action** No action is required.

**Error Message** SECURITYD-2-FIPS\_CRYPTO\_SELF\_TEST\_STATUS: FIPS [chars] Crypto self-test status : [chars]

**Explanation** Status of FIPS [chars] self-test [chars]

**Recommended Action** No action is required.

**Error Message** SECURITYD-2-FIPS\_IMAGE\_INTEGRITY\_SELF\_TEST\_STATUS: FIPS Image Integrity self-test status : [chars]

**Explanation** Status of FIPS [chars] self-test [chars]

**Recommended Action** No action is required.

**Error Message** SECURITYD-2-FIPS\_POST\_ERROR\_MSG: [chars]

**Explanation** Fips post Error Message

**Recommended Action** No action is required.

**Error Message** SECURITYD-2-FIPS\_POST\_MAINTENANCE: FIPS Test failed. Moving to maintenance mode

**Explanation** FIPS Test failed. Moving to maintenance mode

**Recommended Action** No action is required.

**Error Message** SECURITYD-2-FIPS\_POST\_TEST\_FAILED: FIPS crypto-test failure : [dec]

**Explanation** FIPS crypto-test failed [chars]

**Recommended Action** No action is required.

**Error Message** SECURITYD-2-FIPS\_POWERUP\_SELF\_TESTS\_STATUS: FIPS power-up self-test status: [chars]

**Explanation** Status FIPS self-test [chars]

**Recommended Action** No action is required.

**Error Message** SECURITYD-2-FIPS\_POWERUP\_SELF\_TEST\_STATUS: FIPS [chars] power-up self-test status : [chars]

**Explanation** Status of FIPS [chars] power-up self-test [chars]

**Recommended Action** No action is required.

**Error Message** SECURITYD-2-FIPS\_SELF\_TEST\_FAILED: FIPS self-test failure : [chars] : [chars]

**Explanation** FIPS self-test failed [chars] for service [chars]

**Recommended Action** No action is required.

**Error Message** SECURITYD-2-INVALID\_ADMIN\_PASSWD: User admin has NULL password. Copy r s aborted

**Explanation** User admin has NULL password. Copy r s aborted

**Recommended Action** No action is required.

**Error Message** SECURITYD-2-PROGRAM\_EXIT: security/accounting daemon exiting: [chars]

**Explanation** Security/accounting daemon is exiting.

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

## SECURITYD-3

**Error Message** SECURITYD-3-NVRAMFAILURE: nvram failure

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

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

**Error Message** SECURITYD-3-USERPASSPHRASE\_TIMEVALUE\_FAIL: Update timevalue for user: [chars] [FAIL]

**Explanation** Update timevalue 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.

## SECURITYD-6

**Error Message** SECURITYD-6-ACCOUNTING\_MESSAGE: [chars]

**Explanation** Accounting Message

**Recommended Action** No action is required.

**Error Message** SECURITYD-6-CHANGE\_PASSWD: changing passwd for [chars]

**Explanation** Changing passwd for [chars]

**Recommended Action** No action is required.

**Error Message** SECURITYD-6-DELETE\_STALE\_USER\_ACCOUNT: deleting expired user account:[chars]

**Explanation** Deleting expired user account of [chars]

**Recommended Action** No action is required.

**Error Message** SECURITYD-6-FIPS\_MODE\_SET\_FAILED: Error when setting FIPS mode : [chars]

**Explanation** FIPS mode failed [chars]

**Recommended Action** No action is required.

**Error Message** SECURITYD-6-FIPS\_MODE\_SET: FIPS mode is [chars] for service [chars]

**Explanation** FIPS mode is changed [chars] [chars]

**Recommended Action** No action is required.

**Error Message** SECURITYD-6-FIPS\_POST\_INFO\_MSG: [chars]

**Explanation** Fips post Information Message

**Recommended Action** No action is required.

## SENSOR\_USD Messages

This section contains the SENSOR\_USD messages.

### SENSOR\_USD-2

**Error Message** SENSOR\_USD-2-SNSM\_SYSLOG\_INIT\_FAILED: Sensor Mgr Initialization failed. Component [chars]

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

**Error Message** SENSOR\_USD-2-SNSM\_SYSLOG\_SHUTDOWN: Sensor Mgr process shutting down: [chars]

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

**Error Message** SENSOR\_USD-2-SNSM\_SYSYLOG\_ALLOC\_MEMORY: Sensor Mgr Memory allocation failed

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

### SENSOR\_USD-3

**Error Message** SENSOR\_USD-3-MSG\_SNSM\_SYS\_MEM\_ALOC\_FAILURE: Sensor Mgr Error in allocating mem: [dec], Error code = [dec]

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

**Error Message** SENSOR\_USD-3-SNSM\_API\_CALL\_FAILURE: Sensor Mgr Error in [chars] call errno=[dec]

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

**Error Message** SENSOR\_USD-3-SNSM\_SYSLOG\_BAD\_MTS\_MSG: Sensor Mgr Received bad MTS message: [dec]

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

**Error Message** SENSOR\_USD-3-SNSM\_SYSLOG\_MTS\_PROCESS\_ERROR: Sensor Mgr Error in processing MTS message: [dec], Error code = [hex]

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

**Error Message** SENSOR\_USD-3-SNSM\_SYS\_DEQUE\_PENDING\_QUE\_FAILURE: Sensor Mgr Error in Dequing pend Que: %p, Error code = [hex]

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

**Error Message** SENSOR\_USD-3-SNSM\_SYS\_ENQUE\_PENDING\_QUE\_FAILED: Sensor Mgr Error in queuing to pending queue: %p, Error code = [hex]

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

**Error Message** SENSOR\_USD-3-SNSM\_SYS\_MTS\_RECV\_FAILURE: Sensor Mgr Error in receiving MTS mesg

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

## SENSOR\_USD-5

**Error Message** SENSOR\_USD-5-SNSM\_SYSLOG\_STARTING: Sensor Mgr process started

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

## SKSD Messages

This section contains the SKSD messages.

## SKSD-2

**Error Message** SKSD-2-SKSD\_CRYPT\_SERVICE\_CRIT: Encryption-Service: [chars]

**Explanation** Encryption Service critical errors.

**Recommended Action** No action is required.

## SKSD-3

**Error Message** SKSD-3-SKSD\_CRYPT\_SERVICE\_ERR: Encryption-Service: [chars]

**Explanation** Encryption Service errors.

**Recommended Action** No action is required.

**Error Message** SKSD-3-SKSD\_FIPS\_MODE\_INIT\_ERROR: Could not initialize FIPS mode : [chars]

**Explanation** FIPS mode initialization error

**Recommended Action** No action is required.

**Error Message** SKSD-3-SKSD\_FIPS\_MODE\_SELFTEST: FIPS POST for [chars] [chars]

**Explanation** FIPS Selftest Result

**Recommended Action** No action is required.

## SKSD-4

**Error Message** SKSD-4-SKSD\_CRYPT\_SERVICE\_WARN: Encryption-Service: [chars]

**Explanation** Encryption Service warnings.

**Recommended Action** No action is required.

## SKSD-5

**Error Message** SKSD-5-SKSD\_CRYPT\_SERVICE\_NOTICE: Encryption Service: [chars]

**Explanation** Encryption Service updates.

**Recommended Action** No action is required.

**Error Message** SKSD-5-SKSD\_EXIT: Keystore Application Exiting: [chars]

**Explanation** Keystore Program exiting

**Recommended Action** No action is required.

**Error Message** SKSD-5-SKSD\_FUNC: Keystore Operation: [chars]

**Explanation** Keystore Event upon a receiving a request

**Recommended Action** No action is required.

**Error Message** SKSD-5-SKSD\_HW\_INIT: Hardware Keystore Init done

**Explanation** Hardware Keystore Init completed

**Recommended Action** No action is required.

**Error Message** SKSD-5-SKSD\_HW\_RESET: Hardware Reset :[chars]

**Explanation** Hardware Reset

**Recommended Action** No action is required.

**Error Message** SKSD-5-SKSD\_HW: Smartcard :[chars]

**Explanation** Smartcard Presence

**Recommended Action** No action is required.

**Error Message** SKSD-5-SKSD\_INIT: Keystore Application Init: [chars]

**Explanation** Keystore Program Init

**Recommended Action** No action is required.

**Error Message** SKSD-5-SKSD\_KEY\_ADD: Key added

**Explanation** Key added to keystore

**Recommended Action** No action is required.

**Error Message** SKSD-5-SKSD\_KEY\_DELETE: Key deleted

**Explanation** Key deleted from keystore

**Recommended Action** No action is required.

**Error Message** SKSD-5-SKSD\_MKEY\_INSTALL: Installing a Master Key on the smartcard(s)

**Explanation** Installing a new Master Key on the smartcard(s)

**Recommended Action** No action is required.

**Error Message** SKSD-5-SKSD\_SUP\_STATE: Supervisor card new state: [dec]

**Explanation** Supervisor state change

**Recommended Action** No action is required.

**Error Message** SKSD-5-SKSD\_SW\_INIT: Software Keystore Init done

**Explanation** Software Keystore Init completed

**Recommended Action** No action is required.

## SKSD-6



**Error Message** SKSD-6-SKSD\_CRYPT\_SERVICE\_INFO: Encryption Service: [chars]

**Explanation** Encryption Service informational updates.

**Recommended Action** No action is required.

## SNMPD Messages

This section contains the SNMPD messages.

### SNMPD-1

**Error Message** SNMPD-1-ALERT: SNMP log alert : [chars]

**Explanation** SNMP log alert message.

**Recommended Action** No action is required.

### SNMPD-2

**Error Message** SNMPD-2-CRITICAL: SNMP log critical : [chars]

**Explanation** SNMP log critical message.

**Recommended Action** No action is required.

### SNMPD-3

**Error Message** SNMPD-3-ERROR: SNMP log error : [chars]

**Explanation** SNMP log error message.

**Recommended Action** No action is required.

### SNMPD-4

**Error Message** SNMPD-4-WARNING: SNMP log warning : [chars]

**Explanation** SNMP log warning message.

**Recommended Action** No action is required.

### SNMPD-5

**Error Message** SNMPD-5-NOTIFICATION: SNMP log notification : [chars]

**Explanation** SNMP log notification message.

**Recommended Action** No action is required.

### SNMPD-6

**Error Message** SNMPD-6-INFO: SNMP log informational : [chars]

**Explanation** SNMP log info message.

**Recommended Action** No action is required.

## SNMPD-7

**Error Message** SNMPD-7-DEBUG: SNMP log debugging : [chars]

**Explanation** SNMP log debug message.

**Recommended Action** No action is required.

## SPAN Messages

This section contains the SPAN messages.

### SPAN-2

**Error Message** SPAN-2-MEM\_FULL: Memory allocation failed

**Explanation** Memory allocation failed

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

### SPAN-3

**Error Message** SPAN-3-IPC\_FAIL: IPC Error

**Explanation** Internal IPC error

**Recommended Action** No action is required.

**Error Message** SPAN-3-SYSINFO\_TIMEOUT: Span timed out waiting for response from port manager for sys info

**Explanation** Span request for critical system information from port manager timed out. So, span on the new active is exiting and system manager will restart Span.

**Recommended Action** No action is required.

### SPAN-5

**Error Message** SPAN-5-ATL\_VSAN\_DEFAULT\_ALL: Default to all VSANs for SPAN egress session

**Explanation** Generation 2 fabric switches support only one VSAN filter for egress SPAN session. If no or more than one VSANs are specified, SPAN will default to use all VSANs for the egress SPAN session

**Recommended Action** No action is required.

**Error Message** SPAN-5-SPAN\_CFG\_REJECT\_SRC\_VSAN\_FILTER\_NOT\_SUPPORTED: Source interface [[chars]] in dir [[chars]] removed from session [[dec]].

**Explanation** Interface level VSAN filters is not supported

**Recommended Action** No action is required.

**Error Message** SPAN-5-SPAN\_CFG\_REJECT\_VSAN\_SRC\_PRESENT: Source VSAN [[dec]] removed from session [[dec]].

**Explanation** Source VSANs are removed from the session as mixing of interface and VSANs is not supported.

**Recommended Action** No action is required.

**Error Message** SPAN-5-SPAN\_PSS\_CORRUPTION: Span is starting stateless due to PSS corruption

**Explanation** Due to unrecoverable PSS corruption error, SPAN starts stateless without any configuration

**Recommended Action** No action is required.

**Error Message** SPAN-5-SPAN\_PVLAN\_SRC: Private vlan source is not supported in monitor session.

**Explanation** Private vlan source not supported in span/erspan sessions.

**Recommended Action** No action is required.

**Error Message** SPAN-5-STATELESS\_RESTART\_ON\_ACTIVE: Span is restarting as Span on active sup was restarted stateless.

**Explanation** Due to unrecoverable error, Span on active supervisor was restarted stateless. So, the standby Span restarts to get in sync with the stateless Span on active.

**Recommended Action** No action is required.

**Error Message** SPAN-5-STATELESS\_RESTART: Span is restarting stateless.

**Explanation** Due to unrecoverable error, Span is starting stateless. The currently active sessions will not be preserved. The user will have to reenter all the configuration.

**Recommended Action** No action is required.

## SPAN-6

**Error Message** SPAN-6-SESSION\_DOWN: Session [dec] is inactive ([chars])

**Explanation** Session [dec] is inactive now. Traffic for this session is no longer spanned

**Recommended Action** Check the reason for session inactive using command 'show span session' and take corresponding action.

**Error Message** SPAN-6-SESSION\_UP: Session [dec] is active, destination SD port [chars]

**Explanation** Session [dec] is active now. You can monitor Spanned traffic at the destination SD port

**Recommended Action** No action is required.

**Error Message** SPAN-6-STATELESS\_SWITCHOVER: Span is starting stateless after switchover.

**Explanation** Active sessions are not preserved across switchover. Span is starting stateless and the configuration will be reapplied to get back the active configuration.

**Recommended Action** No action is required.

## STP Messages

This section contains the STP messages.

### STP-2

**Error Message** STP-2-BLOCK\_BPDUGUARD: Received BPDU on port [chars] with BPDU Guard enabled. Disabling port.

**Explanation** A BPDU was received in the interface specified in the error message that has the spanning tree BPDU Guard feature enabled. As a result, the interface was administratively shut down.

**Recommended Action** Either remove the device sending BPDUs or disable the BPDU Guard feature. The BPDU Guard feature can be locally configured on the interface or globally configured on all ports that have portfast enabled. After the conflict has been resolved, re-enable the interface by entering the no shutdown command in interface configuration mode.

**Error Message** STP-2-BLOCK\_DETECTED\_PVST\_PEER: Blocking port [chars] [PVST peer detected].

**Explanation** The listed interface received SSTP BPDU indicating that peer is running PVST and will be held in spanning tree blocking state until the interface stops receiving SSTP BPDUs

**Recommended Action** Either enable PVST simulation configuration for the interface or make sure the port peer is not PVST switch

**Error Message** STP-2-BLOCK\_PVID\_LOCAL: Blocking [chars] on [chars]. Inconsistent local vlan.

**Explanation** The spanning tree port associate with the listed spanning tree instance and interface will be held in spanning tree blocking state until the Port VLAN ID (PVID) inconsistency is resolved. The listed spanning tree instance is that of the native VLAN id of the listed interface.

**Recommended Action** Verify that the configuration of the native VLAN id is consistent on the interfaces on each end of the 802.1Q trunk connection. Once corrected, spanning tree will automatically unblock the interfaces as appropriate.

**Error Message** STP-2-BLOCK\_PVID\_PEER: Blocking [chars] on [chars]. Inconsistent peer vlan.

**Explanation** The spanning tree port associate with the listed spanning tree instance and interface will be held in spanning tree blocking state until the port VLAN Id (PVID) inconsistency is resolved. The listed spanning tree instance is that of the native VLAN id of interface on the peer switch to which the listed interface is connected.

**Recommended Action** Verify that the configuration of the native VLAN id is consistent on the interfaces on each end of the 802.1Q trunk connection. Once corrected, spanning tree will automatically unblock the interfaces as appropriate.

**Error Message** STP-2-BRIDGE\_ASSURANCE\_BLOCK: Bridge Assurance blocking port [chars] [chars].

**Explanation** BPDUs were not received from a neighboring switch on the interface that has spanning tree Bridge Assurance configured. As a result, the interface was moved to the spanning tree Blocking

state

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-2-BRIDGE\_ASSURANCE\_UNBLOCK: Bridge Assurance unblocking port [chars] [chars].

**Explanation** The interface listed in the message has been restored to normal spanning tree state after receiving BPDUs from the neighboring L2 switch/bridge

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-2-BRIDGE\_ASSURANCE\_WARNING: Bridge Assurance MUST be enabled at the remotely connected interface

**Explanation** Bridge Assurance MUST be enabled at the remotely connected interface

**Recommended Action** Enable it on Peer-link.

**Error Message** STP-2-DISPUTE\_CLEARED: Dispute resolved for port [chars] on [chars].

**Explanation** The listed interface has stopped receiving Inferior BPDUs with designated role and state as learning and/or forwarding. The Dispute has been resolved and if the port is still designated, it will be taken out of the blocking state as and when appropriate.

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-2-DISPUTE\_DETECTED: Dispute detected on port [chars] in [chars] from Bridge ID [chars] source MAC [chars] PVID [dec]

**Explanation** The spanning tree has detected a Dispute on this interface. The BPDU received from the peer is Inferior with designated role and state as learning and/or forwarding. Since this condition could be caused by an unidirectional link failure, the interface is put into blocking state and marked as disputed in order to prevent possible loops from being created

**Recommended Action** Issue the show spanning-tree inconsistentports command to review the list of interfaces with Dispute. Dispute is caused if the peer is not receiving the Superior BPDUs sent by this interface. That is why the peer continues to send its own Inferior BPDUs. Determine why devices connected to the listed ports are not receiving BPDUs. One reason could be a failure in the cable: if the link has a failure that makes it unidirectional (you can not transmit but you can receive) it should be replaced with a proper cable.

**Error Message** STP-2-IPC\_PROCESSING\_ERR: Error in processing IPC message : Opcode = [dec], Error code = [hex]

**Explanation** STP encountered an error in processing an MTS message. The error and message are specified in the error message

**Recommended Action** No action is required.

**Error Message** STP-2-L2GW\_BACKBONE\_BLOCK: L2 Gateway Backbone port inconsistency blocking port [chars] on [chars].

**Explanation** A BPDU was received on the listed interface which advertises a superior spanning tree root bridge to that currently in use. The interface is put into blocking state and marked as L2 Gateway Backbone port inconsistent in order to prevent a suboptimal spanning tree topology to form.

**Recommended Action** Issue the show spanning-tree inconsistentports command to review the list of interfaces with L2 Gateway Backbone port inconsistencies. Determine why devices connected to the listed ports are sending BPDUs with a superior root bridge and take action to prevent further occurrences. Once the bogus BPDUs have been stopped, the interfaces will automatically recover and resume normal operation.

**Error Message** STP-2-L2GW\_BACKBONE\_UNBLOCK: L2 Gateway Backbone port inconsistency cleared unblocking port [chars] on [chars].

**Explanation** The listed interface is no longer receiving BPDUs advertizing a superior root bridge. The L2 Gateway Backbone port inconsistency is cleared for the interface and then it is taken out of the blocking state if appropriate.

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-2-LOOPGUARD\_BLOCK: Loop guard blocking port [chars] on [chars].

**Explanation** The spanning tree message age timer has expired because and no BPDUs were received from the designated bridge. Since this condition could be caused by an unidirectional link failure, the interface is put into blocking state and marked as loop guard inconsistent in order to prevent possible loops from being created

**Recommended Action** Issue the show spanning-tree inconsistentports command to review the list of interfaces with loop guard inconsistencies. Determine why devices connected to the listed ports are not sending BPDUs. One reason could be that they do not run the spanning tree protocol; in this case you should disable loopguard in the inconsistent interface/s or start the spanning tree protocol on the other side of the link/s. depending on the context. Another reason could be a failure in the cable: if the link has a failure that makes it unidirectional (you can transmit but you can not receive) it should be replaced with a proper cable.

**Error Message** STP-2-LOOPGUARD\_CONFIG\_CHANGE: Loop guard [chars] on port [chars].

**Explanation** The spanning tree loopguard configuration for the listed interface has been changed. If enabled, the interface will be put into blocking state and marked as loopguard inconsistent when the message age timer expires because no BPDU were received from the designated bridge. This feature is mainly used to detect unidirectional links

**Recommended Action** Verify that this is the desired configuration for the listed interface. Correct it if this is not the desired configuration otherwise no further action is required.

**Error Message** STP-2-LOOPGUARD\_UNBLOCK: Loop guard unblocking port [chars] on [chars].

**Explanation** The listed interface has received a BPDU and therefore if the inconsistency was due to an unidirectional link failure, now the problem is not there anymore. The loop guard inconsistency is cleared for the interface which is taken out of the blocking state if appropriate.

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-2-PEER\_IN\_UPGRADE: Peer is going through Upgrade. Can't bring up NON Edge port [hex] in STP

**Explanation** Peer is going through Upgrade. Can't bring up NON Edge port in STP

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-2-PVSTSIM\_FAIL: Blocking [chars] port [chars]: Inconsistent [chars] PVST BPDU

received on VLAN [dec], claiming root [chars]

**Explanation** When a MST switch is connected to a PVST+ switch, the CIST (MST00) information on the port of the MST switch must be consistently better than all the PVST+ messages if the port is designated or consistently worse than all the PVST+ messages if the port is root. If this constraint is not respected, the port on the MST switch is blocked in order to prevent a potential bridging loop

**Recommended Action** When STP is converging after a new switch, or switch port is added to the topology, this condition may happen transiently. The port unblocks automatically in such cases. If the port remains blocked, identify the root bridge as reported in the message, and configure a worse or better priority for the VLAN spanning tree consistent with the CIST role on the port of the MST switch. There could be more inconsistencies than the message indicates, and the port will not recover until all such inconsistencies are cleared. If you cannot determine which other VLANs have inconsistencies, disable and reenabte the port. This message will appear again and specify another VLAN with inconsistencies to be fixed. Repeat this process until all inconsistencies on all VLANs are cleared.

**Error Message** STP-2-PVSTSIM\_OK: PVST Simulation inconsistency cleared on port [chars].

**Explanation** The listed interface is no longer receiving PVST BPDUs advertising an information inconsistent with the CIST port information. The PVST Simulation Inconsistency is cleared and the interface returns to normal operation

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-2-RANDNUM\_FAIL: [chars]

**Explanation** There was a critical error during random number generation. [chars] indicates details of the error

**Recommended Action** No action is required.

**Error Message** STP-2-RECV\_BAD\_TLV: Received SSTP BPDU with bad TLV on [chars] [chars].

**Explanation** The listed interface received a SSTP BPDU that was missing the VLAN id tag. The BPDU is discarded.

**Recommended Action** No action is required.

**Error Message** STP-2-RECV\_PVID\_ERR: Received BPDU with inconsistent peer vlan id [dec] on [chars] [chars].

**Explanation** The listed interface received a SSTP BPDU that is tagged with a VLAN id that does not match the VLAN id on which the BPDU was received. This occurs when the native VLAN is not consistently configured on both ends of a 802.1Q trunk.

**Recommended Action** Verify that the configuration of the native VLAN id is consistent on the interfaces on each end of the 802.1Q trunk connection. Once corrected, spanning tree will automatically unblock the interfaces as appropriate.

**Error Message** STP-2-ROOTGUARD\_BLOCK: Root guard blocking port [chars] on [chars].

**Explanation** A BPDU was received on the listed interface which advertizes a superior spanning tree root bridge to that currently in use. The interface is put into blocking state and marked as root guard inconsistent in order to prevent a suboptimal spanning tree topology to form.

**Recommended Action** Issue the show spanning-tree inconsistentports command to review the list of interfaces with root guard inconsistencies. Determine why devices connected to the listed ports are sending BPDUs with a superior root bridge and take action to prevent further occurrences. Once the bogus BPDUs have been stopped, the interfaces will automatically recover and resume normal operation. Make sure that it is appropriate to have root guard enabled on the interface.

**Error Message** STP-2-ROOTGUARD\_CONFIG\_CHANGE: Root guard [chars] on port [chars].

**Explanation** The spanning tree root guard configuration for the listed interface has been changed. If enabled, any BPDU received on this interface which advertizes a superior spanning tree root bridge to that already in use will cause the interface to be put into blocking state and marked as root guard inconsistent.

**Recommended Action** Verify that this is the desired configuration for the listed interface. Correct it if this is not the desired configuration otherwise no further action is required.

**Error Message** STP-2-ROOTGUARD\_UNBLOCK: Root guard unblocking port [chars] on [chars].

**Explanation** The listed interface is no longer receiving BPDUs advertizing a superior root bridge. The root guard inconsistency is cleared for the interface and then it is taken out of the blocking state if appropriate.

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-2-SET\_PORT\_STATE\_FAIL: Port state change req to PIXM failed, status = [hex] [[chars]] vdc [dec], tree id [dec], num ports [dec], ports [chars] state [chars], opcode [chars], msg id ([dec]), rr\_token [hex]

**Explanation** The port set port state has failed. check port

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-2-SET\_PORT\_STATE\_TIMEOUT: Port state change req to PIXM timedout after [dec] sec. vdc [dec], tree id [dec], num ports [dec], ports [chars] state [chars], opcode [chars], msg id ([dec]), rr\_token [hex]

**Explanation** The port set port state has timedout. check port

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-2-STP\_INIT: STP initialization of [chars] [chars]

**Explanation** STP initialization failed

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

**Error Message** STP-2-STP\_ISSU\_LC\_RESET: STP resetting LC[dec] to prevent Loops during ISSU caused by a topology change in the network. Peer on [chars] [chars] could not be Disputed

**Explanation** This can happen as a result of a topology change in the network while the Linecard was undergoing ISSU. Since STP cannot change the port state to blocking on the Linecard undergoing ISSU, it will first try to prevent the Loop by causing a Dispute on the peer ports forcing them into blocking state. But if the peer does not support Dispute mechanism, and STP detects a potential Loop, it will reset the Linecard to prevent the Loop



**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-2-STP\_MODE\_CHANGE\_FAIL: STP Mode Change to [chars] failed

**Explanation** STP mode change 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.

**Error Message** STP-2-STP\_MODE\_CONFIG\_FAIL: STP Mode config failed, PVRST mode is not supported when there are more than [dec] user VLANs configured

**Explanation** STP mode config failed

**Recommended Action** Please remove extra VLANs if you need to change to PVRST mode!

**Error Message** STP-2-STP\_MST\_INSTANCE\_CONFIG\_FAIL: STP MST instance config change failed for [dec]

**Explanation** STP MST instance config change 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.

**Error Message** STP-2-STP\_VPC\_PEER\_ISSU\_DISRUPTIVE: Possible traffic disruption due to ISSU on VPC peer. [chars]

**Explanation** This is due to some non VPC ports in Desg FWD state on the device or BA timers enabled. It can be prevented by changing the root for those non vPC port vlans, disabling Bridge Assurance timers on non vPC ports

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-2-UNBLOCK\_CONSIST\_PORT: Unblocking port [chars] on [chars]. Port consistency restored.

**Explanation** The Port VLAN ID and/or Port Type inconsistencies have been resolved and spanning tree will now unblock the listed interface of the listed spanning tree instance as appropriate.

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-2-UNBLOCK\_DETECTED\_PVST\_PEER: Unblocking port [chars] [PVST peer detected].

**Explanation** The listed interface has stopped receiving SSTP BPDUs and so will be restored to normal spanning tree state

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-2-VLAN\_PORT\_LIMIT\_EXCEEDED: The number of vlan-port instances exceeded [[chars] mode] recommended limit of [dec]

**Explanation** The total number of individual VLAN ports, in the spanning tree mode specified in the error message, has exceeded the limit specified in the error message. VLANs can be counted more than once; if VLAN 1 is carried on 10 interfaces, it will count as 10 VLAN ports. Note that bundling is ignored for purposes of this count; if 8 interfaces on the same module are in one bundle, and the port channel is carrying VLAN 1, it will count as 1 VLAN ports.

**Recommended Action** Reduce the number of trunks and VLANs configured in the switch. Keep the VLAN port count below the recommended limit specified in the configuration documentation. Enter the show interface trunk command to see the total number of trunks and VLANs.

**Error Message** STP-2-VPC\_HITLESS\_FAILURE: VPC Hitless Role Change Failure. Reason: [chars].

**Explanation** VPC Hitless Role Change has failed.

**Recommended Action** Flap of VPC Peer-link.

**Error Message** STP-2-VPC\_PEERSWITCH\_CONFIG\_DISABLED: vPC peer-switch configuration is disabled. Please make sure to change spanning tree "bridge" priority as per the recommended guidelines.

**Explanation** The vPC peer-switch configuration has been changed. If enabled, please make sure to configure spanning tree \bridge\ priority as per the recommended guidelines. If disabled, please make sure to change spanning tree bridge priority as per the recommended guidelines.

**Recommended Action** Verify that this is the desired configuration and follow the vPC peer-switch recommended guidelines.

**Error Message** STP-2-VPC\_PEERSWITCH\_CONFIG\_ENABLED: vPC peer-switch configuration is enabled. Please make sure to configure spanning tree "bridge" priority as per recommended guidelines to make vPC peer-switch operational.

**Explanation** The vPC peer-switch configuration has been changed. If enabled, please make sure to configure spanning tree \bridge\ priority as per the recommended guidelines. If disabled, please make sure to change spanning tree bridge priority as per the recommended guidelines.

**Recommended Action** Verify that this is the desired configuration and follow the vPC peer-switch recommended guidelines.

**Error Message** STP-2-VPC\_PEER\_LINK\_INCONSIST\_BLOCK: vPC peer-link detected [chars] blocking [chars] [chars].

**Explanation** VPC Peer-link detected the STP inconsistency mentioned in the message. This will impact the STP topology for vPCs and can cause frame duplications. As a result, the interface was moved to the spanning tree Blocking state

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-2-VPC\_PEER\_LINK\_INCONSIST\_ERRDISABLE: vPC Peer-link detected [chars]. Disabling [chars].

**Explanation** VPC Peer-link detected the STP inconsistency mentioned in the message. This will impact the STP topology for vPCs and can cause frame duplications. As a result, the vPC Peer-link was administratively shut down.

**Recommended Action** Please resolve the inconsistency reported in this message on the vPC Peer link. After the conflict has been resolved, re-enable the interface by entering the no shutdown command in interface configuration mode.

**Error Message** STP-2-VPC\_PEER\_LINK\_INCONSIST\_UNBLOCK: vPC peer-link inconsistency cleared unblocking [chars] [chars].

**Explanation** VPC Peer-link inconsistency is cleared and the vPC interface listed in the message has been restored to normal spanning tree state.

## Recommended Action LOG\_STD\_NO\_ACTION

### STP-3

**Error Message** STP-3-BLOCK\_PORT\_TYPE: Blocking [chars] on [chars]. Inconsistent port type.

**Explanation** The listed interface is being held in spanning tree blocking state until the port type inconsistency is resolved.

**Recommended Action** Verify that the configuration and operational state of the listed interface and that of the interface to which it is connected have the same mode (access vs trunk). If mode is trunk, verify the same encapsulation (ISL, 802.1Q). Once these parameters are consistent, spanning tree will automatically unblock the interfaces as appropriate.

**Error Message** STP-3-PORT\_SELF\_LOOPED: Received BPDU src mac same as that of port. Port self loopback detected. Port [chars] being disabled

**Explanation** The source MAC address contained in a BPDU received on the listed interface matches the MAC address assigned to that interface This indicates the possibility that a port is looped back to itself, possibly due to a diagnostic cable being plugged in. The interface will be administratively shutdown.

**Recommended Action** Check the interface configuration and any cable plugged into the interface. Once problem resolved, re-enable interface by doing a no shutdown in the interface configuration. Copy the error message as it is printed and also copy the output of a show interface for the interace listed in the error message.

**Error Message** STP-3-RECV\_1Q\_NON\_TRUNK: Received 802.1Q BPDU on non trunk [chars] [chars].

**Explanation** A SSTP BPDU was received on the listed interface that was not operationally a trunk.

**Recommended Action** Verify that the configuration and operational state of the listed interface and that of the interface to which it is connected have the same mode (access vs trunk). If mode is trunk, verify the same encapsulation (none, ISL, 802.1Q). Once these parameters are consistent, spanning tree will automatically unblock the interfaces as appropriate.

### STP-4

**Error Message** STP-4-FORWARDTIME\_CONFIG\_CHANGE: Forward Delay time change to [dec] seconds for instance [chars] is not recommended as it can cause STP data loops during High Availability Dual-Supervisor Switchover and In-Service Software Upgrade

**Explanation** It is stongly recommended to avoid changing forward delay time value to less than the default value of 15 seconds since it can cause STP data loops during High Availability Dual-Supervisor Switchover and also during In-Service Software Upgrade. Please read the release notes.

**Recommended Action** Please change the forward delay time to be greater than or equal to the default value of 15 seconds

**Error Message** STP-4-HELLOTIME\_CONFIG\_CHANGE: Hello time change to [dec] seconds for instance [chars] is not recommended as it can trigger STP Topology Changes during High Availability Dual-Supervisor Switchover and In-Service Software Upgrade

**Explanation** It is stongly recommended to avoid changing Hello time value to less than the default value of 2 seconds since it can trigger STP Topology change during High Availability Dual-

Supervisor Switchover and also during In-Service Software Upgrade. Please read the release notes.

**Recommended Action** Please change the hello time to be greater than or equal to the default value of 2 seconds.

**Error Message** STP-4-MAC\_ADDR\_FLUSH\_REQ\_TIMEOUT: MAC Address Flush req to L2FM timedout after [dec] sec. vdc [dec], tree id [dec], num ports [dec], ports [chars], opcode [chars], msg id ([dec]), rr\_token [hex]

**Explanation** The MAC Address Flush Request to L2FM has timedout. check port

**Recommended Action** LOG\_STD\_NO\_ACTION

## STP-6

**Error Message** STP-6-FIRST\_BPDU\_TX: First BPDU transmitted

**Explanation** First BPDU transmitted.

**Recommended Action** No action is required.

**Error Message** STP-6-MST\_DIGEST: MST digest changed to [chars], pre-std digest changed to [chars]

**Explanation** MST Region configuration has changed

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-6-MST\_PORT\_BOUNDARY: Port [chars] [chars] as MST Boundary port

**Explanation** MST Boundary port status of the specified port is changed

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-6-MST\_PORT\_PRE\_STANDARD: Port [chars] [chars] as MST Pre-standard port.

**Explanation** MST pre-standard status of the specified port is changed

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-6-PORT\_ADDED: Interface [chars], added to [chars] with role [chars], state [chars], cost [dec], priority [dec], link-type [chars]

**Explanation** This spanning tree port has been added

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-6-PORT\_COST: Port [chars] instance [chars] cost changed to [dec]

**Explanation** The spanning tree port cost has changed for the specified port

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-6-PORT\_DELETED: Interface [chars], removed from [chars]

**Explanation** This spanning tree port has been deleted

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-6-PORT\_LINK\_TYPE: Port [chars] instance [chars] link changed to [chars]

**Explanation** The spanning tree port link type has changed for the specified port

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-6-PORT\_PRIORITY: Port [chars] instance [chars] priority changed to [dec]

**Explanation** The spanning tree port priority has changed for the specified port

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-6-PORT\_RANGE\_ADDED: Interface [chars] added to [chars] with cost [dec], priority [dec], link-type [chars]

**Explanation** This spanning tree port has been added

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-6-PORT\_RANGE\_DELETED: Interface [chars] removed from [chars]

**Explanation** This range spanning tree logical ports has been deleted

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-6-PORT\_RANGE\_ROLE: new\_role=[chars] interface=[chars] [chars]

**Explanation** The role of the range of spanning tree logical ports has changed

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-6-PORT\_RANGE\_STATE: new\_state=[chars] interface=[chars] [chars]

**Explanation** The range of Spanning-Tree logical ports have changed state.

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-6-PORT\_ROLE: Port [chars] instance [chars] role changed to [chars]

**Explanation** The spanning tree port role has changed for the specified port

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-6-PORT\_STATE: Port [chars] instance [chars] moving from [chars] to [chars]

**Explanation** The Spanning-Tree port has changed state.

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-6-PRESTD\_NEIGH: This switch has received a pre-standard MST BPDU on port [chars]: Invoking pre-standard MST BPDU transmission on this port.

**Explanation** The switch has received a pre-standard MST BPDU on a port. The switch will automatically adjust its mode of operation on this port and will start sending pre-standard BPDUs.

**Recommended Action** LOG\_STD\_NO\_ACTION

**Error Message** STP-6-ROOT: Root bridge for [chars] changed to [chars]

**Explanation** The spanning tree root bridge has changed

**Recommended Action** LOG\_STD\_NO\_ACTION

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

**Explanation** STP line 2.

**Recommended Action** No action is required.

**Error Message** STP-6-STATE\_CREATED: Internal state created [chars]

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

**Recommended Action** No action is required.

## SYSMGR Messages

This section contains the SYSMGR messages.

### SYSMGR-0

**Error Message** SYSMGR-0-ACTIVE\_SUP\_LESS\_MEMORY: Active Sup and Standby Sup are different model. Replace Sup in slot [dec] with same memory config for continued redundancy post switchover

**Explanation** Supervisor memory mismatch

**Recommended Action** No action is required.

**Error Message** SYSMGR-0-STANDBY\_SUP\_LESS\_MEMORY: Active Sup and Standby Sup are different model. Replace Sup in slot [dec] with same memory config for continued redundancy post switchover

**Explanation** Supervisor memory mismatch

**Recommended Action** No action is required.

### SYSMGR-2

**Error Message** SYSMGR-2-ACTIVE\_LOWER\_MEM\_THAN\_STANDBY: Active supervisor in slot [dec] is running with less memory than standby supervisor in slot [dec].

**Explanation** Supervisor memory mismatch

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-BOOTSCOPE\_HANDSHAKE: Service "[chars]" is in the boot scope, but tried a regular handshake. Discarding request.

**Explanation** A service is trying to take actions that belong to a different class of services.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for

support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Error Message** SYSMGR-2-CFGCTRL\_SBY\_SAVE\_FAILED: The cfgctrl process has failed to save the config on the standby supervisor. reason: [chars]

**Explanation** Configuration control has failed to save the configuration on the standby supervisor.

**Recommended Action** Please see the reason string

**Error Message** SYSMGR-2-CFGERASE\_ABORTED: Write erase aborted.

**Explanation** Write erase has failed.

**Recommended Action** Please verify the other syslog messages printed correct the problem, and try again.

**Error Message** SYSMGR-2-CFGSNAPSHOT\_ABORTED\_DIR: Unable to open the configuration directory. Aborting configuration snapshot.

**Explanation** The destination location for the snapshot-config could not be found.

**Recommended Action** If the problem persists, please use the vshboot command 'init system' to initialize the configuration partition.

**Error Message** SYSMGR-2-CFGSNAPSHOT\_ABORTED\_INIT: Unable to initialize the configuration directory (error-id [hex]). Aborting configuration snapshot.

**Explanation** An attempt to copy the startup-config to snapshot-config has failed because the old data could not be removed.

**Recommended Action** If the problem persists, please use the vshboot command 'init system' to initialize the configuration partition.

**Error Message** SYSMGR-2-CFGSNAPSHOT\_ABORTED: Configuration snapshot aborted.

**Explanation** An attempt to save a snapshot of the startup-config has failed.

**Recommended Action** Please verify the other syslog messages printed correct the problem, and try again.

**Error Message** SYSMGR-2-CFGSYNC\_FAILURE: Syncing of the configuration to the standby failed.

**Explanation** Syncing of the configuration to the standby failed.

**Recommended Action** Please verify the other syslog messages printed correct the problem, and try again.

**Error Message** SYSMGR-2-CFGWRITE\_ABORTED\_CONFELEMENT\_RETRIES: Copy R S failed as config-failure retries are ongoing. Type "show nxapi retries" for checking the ongoing retries.

**Explanation** Copy R S failed as config-failure retries are ongoing.

**Recommended Action** Please verify the syslog messages printed correct the problem, and try again.

**Error Message** SYSMGR-2-CFGWRITE\_ABORTED\_DIR: Unable to open the configuration directory. Aborting configuration copy.

**Explanation** The destination location for the startup-config could not be found.

**Recommended Action** If the problem persists, please use the vshboot command 'init system' to initialize the configuration partition.

**Error Message** SYSMGR-2-CFGWRITE\_ABORTED\_INIT: Unable to initialize the configuration directory (error-id [hex]). Aborting configuration copy.

**Explanation** An attempt to copy the running-config to startup-config has failed because the old data could not be removed.

**Recommended Action** If the problem persists, please use the vshboot command 'init system' to initialize the configuration partition.

**Error Message** SYSMGR-2-CFGWRITE\_ABORTED\_LABEL: Unable to label the new configuration (error-id [hex]). Aborting configuration copy.

**Explanation** An attempt to copy the running-config to startup-config has failed because the new startup-config could not be stamped.

**Recommended Action** If the problem persists, please use the vshboot command 'init system' to initialize the configuration partition.

**Error Message** SYSMGR-2-CFGWRITE\_ABORTED\_LOCK: Unable to lock the configuration (error-id [hex]). Aborting configuration copy.

**Explanation** An attempt to copy the running-config to startup-config has failed because the system could not lock the required configuration items.

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

**Error Message** SYSMGR-2-CFGWRITE\_ABORTED\_LOG: Unable to open a log file for the new configuration: [chars] (error-id [hex]). Aborting configuration copy.

**Explanation** An attempt to copy the running-config to startup-config has failed because a log file could not be created.

**Recommended Action** If the problem persists, please use the vshboot command 'init system' to initialize the configuration partition.

**Error Message** SYSMGR-2-CFGWRITE\_ABORTED: Configuration copy aborted.

**Explanation** A configuration copy has failed.

**Recommended Action** Please verify the other syslog messages printed correct the problem, and try again.

**Error Message** SYSMGR-2-CFGWRITE\_TIMEOUT\_ABORT: Configuration copy aborted by timeout.

**Explanation** A service failed to store its configuration in the timeout period. The operation has been aborted.

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-CFGWRITE\_USER\_ABORT: Configuration copy aborted by the user.



**Explanation** The user typed CTRL+C while the configuration was being saved, and the operation has been aborted.

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-CONVERT\_FUNC\_FAILED: Conversion function failed for service "[chars]" (error-id [hex]).

**Explanation** This message indicates that the conversion function failed for this service.

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

**Error Message** SYSMGR-2-CONVERT\_FUNC\_NOTFOUND: Conversion function not found for service "[chars]".

**Explanation** This message indicates that the system could not find appropriate conversion function for this service.

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

**Error Message** SYSMGR-2-CONVERT\_LIB\_NOTFOUND: Conversion library not found for service "[chars]".

**Explanation** This message indicates that the system could not find conversion library for this service.

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

**Error Message** SYSMGR-2-CONVERT\_STARTUP\_ABORTED: Conversion of startup-config failed.

**Explanation** This message indicates that the conversion of startup configuration was aborted.

**Recommended Action** If the problem persists, please use the vshboot command 'init system' to initialize the configuration partition.

**Error Message** SYSMGR-2-CONVERT\_ZIPPING\_FAILED: Failed to zip the converted startup configuration.

**Explanation** This message indicates that conversion of the startup configuration failed when system was trying to zip the converted configuration.

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

**Error Message** SYSMGR-2-CORE\_SAVE\_FAILED: [chars]: PID [dec] with message [chars].

**Explanation** A core file could not be saved.

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-CREATE\_DONEFILE\_FAILED: Creating /var/run/sysmgr.initdone failed with return value: ([dec]).

**Explanation** The initialization of the system could not complete.

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

**Error Message** SYSMGR-2-DELETE\_BINARY\_STARTUP\_FAILED: Deletion of binary startup config failed during boot (error-id [hex]).

**Explanation** This message indicates that the deletion of the binary startup configuration failed during boot.

**Recommended Action** If the problem persists, please use the vshboot command 'init system' to initialize the configuration partition.

**Error Message** SYSMGR-2-FEATURE\_SET\_NOT\_DISABLED\_SRVS: vdc [dec]: feature-set 0x%llx: Following services did not cleanup: [chars]

**Explanation**

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-FEATURE\_SET\_SRVTIMEOUT: vdc [dec]: feature-set 0x%llx [chars]: Following services did not respond in time: [chars]

**Explanation** The services did not handshake with sysmgr in time

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-FEATURE\_SET\_UNGRACEFUL\_DISABLE\_FAILED\_SRVS: vdc [dec]: feature-set 0x%llx: Following services did not exit even after SIGKILL: [chars]

**Explanation**

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-FORMAT\_FAILURE\_SUP\_RESET: Failure to format a partition successfully causing sup to reset.

**Explanation** The partition used to store non-volatile pss files could not be formatted successfully. The supervisor will be reset.

**Recommended Action** If the problem persists, please contact customer support.

**Error Message** SYSMGR-2-GSYNC\_ABORT: Global sync aborted by signal.

**Explanation** The initial synchronization of the services has been aborted. The synchronization will be attempted again later.

**Recommended Action** Use the command 'reload module ' to reset the standby supervisor if you want to try again.

**Error Message** SYSMGR-2-GSYNC\_GET\_TIMEOUT: Request for global sync for UUID [hex] not completed in specified time.

**Explanation** Service failed to complete global sync in specified time. The standby will no longer act as a HA standby.

**Recommended Action** If the problem persists, please contact customer support.

**Error Message** SYSMGR-2-GSYNC\_READY\_SRVFAILED: Service "[chars]" on standby supervisor failed to restore its snapshot (error-id [hex]).

**Explanation** The initial synchronization of service [chars] has failed.

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

**Error Message** SYSMGR-2-GSYNC\_SNAPSHOT\_SRVFAILED: Service "[chars]" on active supervisor failed to store its snapshot (error-id [hex]).

**Explanation** The initial synchronization of service [chars] has failed.

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

**Error Message** SYSMGR-2-HANDSHAKE\_FAILED: Handshake with service "[chars]" in vdc [dec] failed since send failed: [chars] (error-id [hex]).

**Explanation** Handshake with a service failed since system manager could not send handshake response to it.

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-HAP\_FAILURE\_SUP\_RESET: Service "[chars]" in vdc [dec] has had a hap failure

**Explanation** One of the services failed HA policy. This module would reset if hap-reset is enabled. Service will not restart if module is not reset

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-HASWITCHOVER\_PRE\_START: This supervisor is becoming active (pre-start phase).

**Explanation** A cold switchover has started (pre-start phase).

**Recommended Action** When the other supervisor is back online, use the command 'show system reset-reason' to know what caused the switchover.

**Error Message** SYSMGR-2-HASWITCHOVER\_START: Supervisor [dec] is becoming active.

**Explanation** A cold switchover has started.

**Recommended Action** When the other supervisor is back online, use the command 'show system reset-reason' to know what caused the switchover.

**Error Message** SYSMGR-2-HEARTBEAT\_FAILED: Sysmgr heartbeat failed at %lu. [chars]. [chars] ([dec])

**Explanation** System manager had failure while trying to heartbeat with KLM

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

**Error Message** SYSMGR-2-INBAND\_START\_FAILED: Failure while bringing up inband after ISSU reboot,

errno: [dec].

**Explanation** Sysmgr tried to bring up inband after ISSU reboot, but the call returned error.

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

**Error Message** SYSMGR-2-INVALID\_HANDSHAKE: Invalid secret ([dec]) received from service "[chars]". Expected [dec].

**Explanation** A service can't be started.

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

**Error Message** SYSMGR-2-INVALID\_SYSMGRCONF: [chars]: invalid configuration file "[chars]": [chars] (error-id [hex]).

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-INVALID\_VERSIONMSG: The remote System Manager ([chars]) declares itself in the same state as this System Manager ([chars]).

**Explanation** The redundancy state negotiation between the two supervisors failed.

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

**Error Message** SYSMGR-2-ISSU\_FAILED: The ISSU has failed: [chars] (error-id [hex])

**Explanation** The ISSU has failed and the switch need to be rebooted.

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-LAST\_CORE\_BASIC\_TRACE: [chars]: PID [dec] with message [chars].

**Explanation**

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-MSG\_SEND\_FAILURE\_STANDBY\_RESET: Failure in sending message to standby causing standby to reset.

**Explanation** We will be resetting the standby since mts on the active is unable to send a message to standby.

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

**Error Message** SYSMGR-2-MTS\_FLUSH\_SYNC\_QUEUE\_FAILURE: flush mts sync queue failed with [chars] (errno [dec])

**Explanation** Calling `mts_flush_sync_queue` to guarantee no outstanding messages. The failure might affect HA.

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

**Error Message** `SYSMGR-2-NON_VOLATILE_DB_FULL`: System non-volatile storage usage is unexpectedly high at [dec]%.

**Explanation** System non-volatile storage space is almost full.

**Recommended Action** Please run the command `'clear processes log pid'` to delete log file for specific instance that show up via the command `'show processes log all'`. To clear out all log files, use the command `'clear processes log all'`

**Error Message** `SYSMGR-2-NON_VOLATILE_DB_INODE_FULL`: System non-volatile inode storage usage is unexpectedly high at [dec]%.

**Explanation** System non-volatile inode storage space is almost full.

**Recommended Action** Please run the command `'clear processes log pid'` to delete log file for specific instance that show up via the command `'show processes log all'`. To clear out all log files, use the command `'clear processes log all'`

**Error Message** `SYSMGR-2-ONBOARD_FAILURE_LOGGING_FULL`: Onboard failure logging usage is unexpectedly high at [dec]%.

**Explanation** Onboard failure logging space is almost full.

**Recommended Action** Please run the command `'clear logging onboard'`. If this message continues to persist, please contact TAC.

**Error Message** `SYSMGR-2-PARSEERR_DEPENDCYCLE`: Dependency cycle found among [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** `SYSMGR-2-PARSEERR_DUPLICATEDCONFIG`: [chars]: duplicated definition for service config. Previous definition in [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** `SYSMGR-2-PARSEERR_DUPLICATEDDEPEND`: [chars]: duplicated dependency from "[chars]" for service "[chars]". Previous use in [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for support.

support. If you have purchased a Cisco support contract please call Cisco TAC for support.

**Error Message** SYSMGR-2-PARSEERR\_DUPLICATEDNAME: [chars]: short name "[chars]" used by service "[chars]" is also used by service "[chars]" in [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_DUPLICATEDOPTION: [chars]: duplicated definition for option [chars]->[chars] (service "[chars]"). Previous definition in [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_DUPLICATEDSERVICE: [chars]: duplicated definition for service "[chars]". Previous definition in [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_DUPLICATEDVERDB: [chars]: duplicated definition for service version\_db. Previous definition in [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_DUP\_UGRPENTRY: [chars]: service "[chars]" duplicated in the current upgrade group. Previous use in [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_FT\_SET\_ID\_PARSEERR: [chars]: ft\_set\_id ([dec]) out of bound for "[chars]".

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_INCONSISTENTOPT: [chars]: option "[chars]=[chars]" not consistent with "[chars]=[chars]" for service "[chars]"

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_INVALIDCOMPCONDDEPEND: [chars] (in dependency list of compulsory conditional service "[chars]"): optional conditional service "[chars]" not allowed.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_INVALIDCONDDEPEND: [chars] (in dependency list of ASAP service "[chars]"): conditional service "[chars]" not allowed.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_INVALIDDEPEND: [chars] (in dependency list of service "[chars]"): service "[chars]" not defined for scope "[chars]".

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_INVALIDEXEC: [chars]: invalid executable "[chars]" for service "[chars]": [chars] ([dec]).

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_INVALIDHANDSHAKEDEPEND: [chars] (in handshake dependency list of service "[chars]"): service "[chars]" is MTS unaware or not defined for scope "[chars]".

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_INVALIDIDENT: [chars]: [chars] "[chars]" not found for service "[chars]".

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_INVALIDOPTION: [chars]: option [chars]->[chars] cannot be set to "[chars]".

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_INVALIDSTDBYDEPEND: [chars]: service "[chars]" cannot be dependent on service "[chars]" due to the standby mode wait for that service.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_INVALIDDVCDEPEND: [chars] (in dependency list of service "[chars]"): service "[chars]" is a [chars] service.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_INVALID\_CLEANUP\_ARGUMENTS: [chars]: cleanup\_arguments = "[chars]": only conditional services that are scripts can specify cleanup arguments

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_INVALID\_COND\_SRV\_MODE: [chars]: service "[chars]" not defined for scope "control" or not mts aware.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_INVALID\_DIR: [chars]: "[chars]" is not a valid [chars]: [chars] ([dec]).

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.



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

**Error Message** SYSMGR-2-PARSEERR\_INVALID\_GLOBAL\_SYNC: [chars]: mts unaware service may not request for a global sync.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_INVALID\_HB: [chars]: "[dec]" is not a valid heartbeat timeout.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_INVALID\_MAX\_INSTANCE: [chars]: [dec] is not a valid max\_instance.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_INVALID\_SHELLTREE: [chars]: invalid shell parser tree "[chars]" for service "[chars]": [chars] ([dec]).

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_INVALID\_STANDBY\_MODE\_GLOBAL\_SYNC: [chars]: service with standby mode wait cannot request for a global sync.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_INVALID\_STANDBY\_MODE: [chars]: standby\_mode should be run.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_INVALID\_STARTUP\_MODE\_DEPENDENCY: [chars]: Invalid dependency.

Service "[chars]"'s startup mode ('[chars]') does not match dependent service "[chars]"'s startup mode ('[chars]').

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-PARSEERR\_INVALID\_TRANSL: [chars]: invalid translator "[chars]" for service "[chars]": [chars] ([dec]).

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_INVALID\_UGRPENTRY: [chars]: service "[chars]" is not defined.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_MISSINGOPTION: [chars]: option [chars]->[chars] missing from service definition for service "[chars]".

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_MTSUNAWARE\_HANDSHAKEDEPEND: [chars]: service "[chars]" is MTS unaware and cannot have handshake dependencies.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_NORESTART: [chars]: option [chars]->[chars] cannot be set without setting option [chars]->[chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_NOTCONFIG: [chars]: [chars] implemented only for service config.

**Explanation** The system image contains an inconsistent list of services. The initialization of the

system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_REPARSE\_CANNOT\_ADD\_SRV: Service "[chars]" cannot be added

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_REPARSE\_CANNOT\_DELETE\_SRV: Service "[chars]" cannot be removed

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_REPARSE\_CANNOT\_MODIFY\_PARAM: Cannot modify parameter [chars] for the service "[chars]", old value = [chars], new value = [chars]

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_REPARSE\_CANNOT\_MODIFY\_SRV: Configuration for service "[chars]" cannot be modified, param modified = [chars], old\_value = [chars], new\_value = [chars]

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_REP\_UGRPENTRY: [chars]: service "[chars]" is used in more than one upgrade group. First use in [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_TOOMANYDEPENDS\_MULTIPLE\_INST: [chars]: too many multiple instance dependencies ([dec]) for service "[chars]".

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_TOOMANYDEPENDS: [chars]: too many dependencies ([dec]) for service "[chars]".

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_UGRPDUPLICATEDNAME: [chars]: upgrade group name "[chars]" already used in [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARSEERR\_UGRPNAMEREDEFINED: [chars]: the upgrade group is already called "[chars]".

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

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

**Error Message** SYSMGR-2-PARTIAL\_CFGWRITE\_ABORTED: Partial configuration copy aborted.

**Explanation** A partial configuration copy has failed.

**Recommended Action** Please verify the other syslog messages printed correct the problem, and try again. If problem persists, please run the command 'copy running-config startup-config' and try again.

**Error Message** SYSMGR-2-PATCH\_REPO\_STORE\_FAILED: Not enough space to store patch repo in standby bootflash

**Explanation** Failed to store patch repo in standby bootflash

**Recommended Action** Please free up few 100s mb in standby bootflash to store patch repo OIR bootflash and insert bootflash with needed space and then reload standby from active

**Error Message** SYSMGR-2-PATCH\_REPO\_STORE\_SYNC\_FAILED: Feature RPMs out of sync, reloading standby

**Explanation** Failed to sync rpm repo during HA

**Recommended Action** Feature Rpm causing rpmstore inconsistency Cleanup .rpmstore from active if standby continuously reloads

**Error Message** SYSMGR-2-PLUGIN\_BOOTUP\_FAILURE: The bootup of the supervisor has failed due to plugin load: [chars] (error-id [hex])

**Explanation** The bootup of the supervisor has failed due to plugin load.

**Recommended Action** Please contact the Cisco reseller through which you procured the product for



**Explanation** We will be restarting system since we were trying to do a hot switchover before all the state could have been transferred to this supervisor. So we will be doing a cold switchover now.

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-RESTORE\_RUNTIME\_DB\_FAILED: Restoring of runtime database for fabric switch upgrade failed during boot (error-id [hex]).

**Explanation** This message indicates that the runtime database could not be restored during boot for the fabric switch upgrade.

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

**Error Message** SYSMGR-2-SAVE\_RUNTIME\_DB\_FAILED: Saving of runtime database for fabric switch upgrade failed (error-id [hex]).

**Explanation** This message indicates that the runtime database could not be saved for the fabric switch upgrade.

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

**Error Message** SYSMGR-2-SBY\_RELOAD\_CFGCTRL: The cfgctrl process on sby has failed [dec] times, reloading sby sup to recover

**Explanation** Configuration control has failed multiple times, the standby supervisor will be automatically reloaded so that it can be recovered.

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-SERVICE\_CRASHED: Service "[chars]" (PID [dec]) hasn't caught signal [dec][chars]

**Explanation** A service has terminated its execution abnormally. The service might be restarted, depending on the HA policies implemented for the service.

**Recommended Action** Please use the command 'show process' to verify that the service has been restarted.

**Error Message** SYSMGR-2-SHUTDOWN\_FAILURE: Unable to set signal handler for graceful shutdown: [chars] (error-id [hex]).

**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-SHUTDOWN\_REJECT: The System Manager is busy saving the configuration. Please try again later.

**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-SHUTDOWN\_SYSTEM\_LOG: vdc [dec] will shut down soon.

**Explanation** We are shutting down system the vdc

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-SIGKILL\_FAILURE: Service "[chars]" failure to respond to SIGKILL causing supervisor to reset. Last heartbeat %.2f secs ago.

**Explanation** We will be resetting the supervisor since service failed to respond to SIGKILL sent to it by System Manager.

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

**Error Message** SYSMGR-2-SOCKET\_ERROR: Failed to open socket connection, errno: [dec].

**Explanation** Call to open socket connection failed.

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

**Error Message** SYSMGR-2-SRV\_CLEAR\_MEMORY\_ALERT: service "[chars]" clear memory alert ([dec]%)

**Explanation** Clean Memory Alert Event received

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-SRV\_MAJOR\_MEMORY\_ALERT: service "[chars]" major memory alert ([dec]%)

**Explanation** Major Memory Alert Event received

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-SRV\_MINOR\_MEMORY\_ALERT: service "[chars]" minor memory alert ([dec]%)

**Explanation** Minor Memory Alert Event received

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-SRV\_SPAWN\_FAILED: Spawning of service "[chars]" in vdc [dec] failed : [chars] (error-id [hex]).

**Explanation** Failed to spawn a service

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-STANDBY\_BOOT\_FAILED: Standby supervisor failed to boot up.

**Explanation** This message is printed if the standby supervisor doesn't complete its boot procedure (i.e. it doesn't reach the login prompt on the local console) 3 to 6 minutes after the loader has been loaded by the BIOS. This message is usually caused by boot variables not properly set for the standby supervisor. This message can also be caused by a user intentionally interrupting the boot procedure at the loader prompt (by means of pressing ESC).

**Recommended Action** Connect to the local console of the standby supervisor. If the supervisor is at the loader prompt, try to use the 'boot' command to continue the boot procedure. Otherwise, issue a 'reload' command for the standby supervisor from a vsh session on the active supervisor, specifying

the 'force-dnld' option. Once the standby is online, fix the problem by setting the boot variables appropriately.

**Error Message** SYSMGR-2-STARTUP\_CONVERSION\_FAILED: Startup config conversion failed during boot (error-id [hex]).

**Explanation** This message indicates that the conversion of startup configuration failed during boot.

**Recommended Action** If the problem persists, please use the vshboot command 'init system' to initialize the configuration partition.

**Error Message** SYSMGR-2-START\_SCRIPT\_FAILED: Start script (/isan/etc/rc.sysmgr start) failed with return value: ([dec]).

**Explanation** The initialization of the system could not complete.

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

**Error Message** SYSMGR-2-SUBPROC\_SPAWN\_FAILED: Spawning of sub-process "[chars]" in vdc [dec] failed : [chars] (error-id [hex]).

**Explanation** Failed to spawn a sub-process

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-SUP\_POWERDOWN: Supervisor in slot [dec] is running with less memory than active supervisor in slot [dec]

**Explanation** Supervisor memory mismatch

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-SWITCHOVER\_OVER: Switchover completed.

**Explanation** The switchover is completed.

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-SWITCHOVER\_SRVCRAshed: Service "[chars]" (PID [dec]) crashed during switchover - hasn't caught signal [dec] . Core will not be collected.

**Explanation** The switchover failed because a service crashed during switchover.

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-SWITCHOVER\_SRVFAILED: Service "[chars]" failed in performing its switchover actions (error-id [hex]).

**Explanation** The switchover failed because a service could not transition to the active state.

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-SWITCHOVER\_SRVTERMINATED: Service "[chars]" (PID [dec]) terminated during switchover with error code [dec] .

**Explanation** The switchover failed because a service terminated during switchover.



**Recommended Action** No action is required.

**Error Message** SYSMGR-2-SWITCHOVER\_THRESHOLD\_EXCEEDED: Switchover threshold exceeded ([dec] switchovers happened within [dec] seconds). Powering down all linecards.

**Explanation** Switchover threshold exceeded

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-SWITCHOVER\_TIMEOUT: Service "[chars]" (vdc [dec]) did not respond to switchover message in [dec] seconds

**Explanation** The switchover timeout because a service failed to response

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

**Error Message** SYSMGR-2-SYNC\_FAILURE\_MSG\_PAYLOAD: vdc [dec]: [chars]

**Explanation** Dump out the msg to know what causes sync failure

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

**Error Message** SYSMGR-2-SYNC\_FAILURE\_STANDBY\_RESET: Failure in syncing messages to standby for vdc [dec] causing standby to reset.

**Explanation** We will be resetting the standby since mts on the active is unable to sync messages to standby.

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

**Error Message** SYSMGR-2-SYSMGR\_AUTOCOLLECT\_TECH\_SUPPORT\_LOG: This supervisor will temporarily remain online in order to collect show tech-support. This behavior is configurable via 'system [no] auto-collect tech-support'. Collected information in /bootflash/hap\_reset\_show\_tech.gz.

**Explanation** Supervisor is automatically collecting logs

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-SYSMGR\_MALLOC\_FAIL: [chars]: malloc ([dec] bytes) for [chars] failed [chars]([dec])

**Explanation** Malloc failed

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-TMP\_DIR\_FULL: System temporary directory usage is unexpectedly high at [dec]%.

**Explanation** System /tmp space is almost full.

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

**Error Message** SYSMGR-2-TMP\_DIR\_RETURN\_TO\_NORMAL: System temporary directory usage returned to normal at [dec]%.

**Explanation** System /tmp space has returned to normal usage.

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-VDC\_CREATE\_DELETE\_SRVCRAshed: Global vdc-aware service "[chars]" (PID [dec]) crashed during vdc create/delete on standby - hasn't caught signal [dec] .

**Explanation** The creation/deletion of vdc on standby failed because a global vdc-aware service crashed on standby.

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-VDC\_CREATE\_DELETE\_SRVTERMINATED: Global vdc-aware service "[chars]" (PID [dec]) terminated during vdc create/delete on standby with error code [dec] .

**Explanation** The creation/deletion of vdc on standby failed because a global vdc-aware service terminated on standby.

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-VDC\_DELETE\_FAILURE: The vdc delete has failed: [chars] (error-id [hex])

**Explanation** The vdc delete has failed

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

**Error Message** SYSMGR-2-VDC\_NOT\_CLEANEDUP\_SRVS: vdc [dec]: [chars]

**Explanation**

**Recommended Action** No action is required.

**Error Message** SYSMGR-2-VOLATILE\_DB\_FULL: System volatile database usage is unexpectedly high at [dec]%.

**Explanation** System volatile database space is almost full.

**Recommended Action** Please run the command 'system pss shrink'. If this message continues to persist, please contact TAC.

**Error Message** SYSMGR-2-WARMSWITchover\_START: This supervisor is becoming active.

**Explanation** A cold switchover has started.

**Recommended Action** When the other supervisor is back online, use the command 'show system reset-reason' to know what caused the switchover.

**Error Message** SYSMGR-2-WDT\_KGDB: System watchdog kgdb has been [chars] for slot [dec].

**Explanation** System watchdog kgdb has been [chars]. If the command has been enabled, the system will go into kgdb if there is a watchdog timeout.

**Recommended Action** No action is required.

## SYSMGR-3

**Error Message** SYSMGR-3-BASIC\_TRACE: [chars]: PID [dec] has the following message [chars].

**Explanation**

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-CAPABILITY\_REDUN\_CHANGE: Redundancy mode changed to [chars] due to configuration change.

**Explanation** Some configuration changes have occurred causing administrative redundancy mode to change.

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-CFGCTRL\_ABORT: signal to abort cfgctrl as super changes to the unstable state

**Explanation** When super state changes to unstable, cfgctrl should be terminated

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-CFGERASE\_FAILED: Configuration erase failed (error-id [hex]).

**Explanation** The requested configuration erase has failed. [dec] is the error-ID representing the failure reason.

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-CFGSNAPSHOT\_FAILED: Configuration snapshot failed (error-id [hex]).

**Explanation** The requested configuration snapshot has failed. [dec] is the error-id representing the failure reason.

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-CFGWRITE\_FAILED: Configuration copy failed (error-id [hex]).

**Explanation** The requested configuration copy has failed. [dec] is the error-id representing the failure reason.

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-CFGWRITE\_REJECT: Discarding request for configuration [chars]: configuration action already in progress.

**Explanation** Another instance of the command 'copy running-config startup-config' is in progress.

**Recommended Action** Please wait for the other instance to complete.

**Error Message** SYSMGR-3-CFGWRITE\_SRVCRAshed: Service "[chars]" crashed with signal ([dec]) while configuration was being saved

**Explanation** A required service has crashed while configuration was being saved. The overall configuration copy is considered failed.

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

**Error Message** SYSMGR-3-CFGWRITE\_SRVFAILED: Service "[chars]" failed to store its configuration (error-id [hex]).

**Explanation** A required service has failed to store its own configuration into the startup-config. The overall configuration copy is considered failed.

**Recommended Action** Use the 'show process' command to verify that the system is running properly and the service [chars] is behaving correctly. Then try again.

**Error Message** SYSMGR-3-CFGWRITE\_SRVTERMINATED: Service "[chars]" terminated with error code ([dec]) while configuration was being saved

**Explanation** A required service has terminated while configuration was being saved. The overall configuration copy is considered failed.

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

**Error Message** SYSMGR-3-CFGWRITE\_SRVTIMEOUT: Service "[chars]" failed to store its configuration in the timeout period

**Explanation** A required service has failed to send a response after receiving a request to store its configuration into the startup-config. The overall configuration copy is considered failed.

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

**Error Message** SYSMGR-3-CFGWRITE\_VDCSRVCRASHED: Service "[chars]" in vdc [dec] crashed with signal ([dec]) while configuration was being saved

**Explanation** A required service has crashed while configuration was being saved. The overall configuration copy is considered failed.

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

**Error Message** SYSMGR-3-CFGWRITE\_VDCSRVFAILED: Service "[chars]" in vdc [dec] failed to store its configuration (error-id [hex]).

**Explanation** A required service has failed to store its own configuration into the startup-config. The overall configuration copy is considered failed.

**Recommended Action** Use the 'show process' command to verify that the system is running properly and the service [chars] is behaving correctly. Then try again.

**Error Message** SYSMGR-3-CFGWRITE\_VDCSRVTERMINATED: Service "[chars]" in vdc [dec] terminated with error code ([dec]) while configuration was being saved

**Explanation** A required service has terminated while configuration was being saved. The overall configuration copy is considered failed.

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

**Error Message** SYSMGR-3-CFGWRITE\_VDCSRVTIMEOUT: Service "[chars]" in vdc [dec] failed to store its configuration in the timeout period

**Explanation** A required service has failed to send a response after receiving a request to store its configuration into the startup-config. The overall configuration copy is considered failed.

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

**Error Message** SYSMGR-3-COPY\_CORES\_FAILED: Copying cores failed ([dec]).

**Explanation** Copying cores to the destination failed because of an error specified in the log.

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-COREDUMP\_TIMEOUT: Failed to store the core in the specified time. Resetting ....

**Explanation** Failed to store the core in the specified time. Resetting ...

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-CORE\_CLIENT\_INIT\_FAILED: Core client will not be started due to some internal error.

**Explanation** Core client will not be started due to some internal error.

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-CORE\_OP\_FAILED: Core operation failed: [chars]

**Explanation** Mainly use to display failure on core operation in general

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-CORE\_SERVER\_INIT\_FAILED: Core server will not be started due to some internal error.

**Explanation** Core server will not be started due to some internal error.

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-DAEMONIZE\_FAILED: Unable to daemonize service "[chars]": [chars] ([dec]).

**Explanation** A service could not be spawned.

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

**Error Message** SYSMGR-3-DISCARD\_BINCFG\_CONVERT\_FAILURE: Binary configuration is being discarded for the reasons: < [chars] >

**Explanation** Binary configuration is being discarded due to conversion failure

**Recommended Action** No actions required. System will fallback to ASCII configuration

**Error Message** SYSMGR-3-DISCARD\_BINCFG\_VERCMP\_FAILURE: Binary configuration is being discarded due to version compare failure

**Explanation** Binary configuration is being discarded since the version compare failed to decode the versions

**Recommended Action** No actions required. System will fallback to ASCII configuration

**Error Message** SYSMGR-3-FAILED\_PFM\_HANDSHAKE: PFM-handshake from service "[chars]" failed (error-id [hex]).

**Explanation** The Platform Manager handshake has failed. The system can't proceed with the initialization.

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-GSYNC\_TIMEOUT\_FAILED: Failed to set timeout for global sync for an application ([dec]).

**Explanation** Failed to set timeout for global sync for an application. This can result in global sync to be stuck forever if application never completes global sync.

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-HEARTBEAT\_FAILURE: Service "[chars]" sent SIGABRT for not setting heartbeat for last [dec] periods. Last heartbeat %.2f secs ago.

**Explanation** A service is not setting proper heartbeats to System Manager So it will kill this service and if this service has restartability set to TRUE, the service will restart.

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

**Error Message** SYSMGR-3-INVALID\_BOOT\_HANDSHAKE: Boot-scope-handshake received from service "[chars]", that is in scope [dec] (not the boot scope).

**Explanation** A service is trying to take actions that belong to a different class of services.

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

**Error Message** SYSMGR-3-INVALID\_PFM\_HANDSHAKE: PFM-handshake received from service "[chars]", that is in scope [dec] (not the boot scope).

**Explanation** A service is trying to take actions that belong to the Platform Manager service.

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

**Error Message** SYSMGR-3-INVALID\_TRANSITION: Transition from state [chars] to state [chars] is not allowed.

**Explanation** Unexpected transition in the System Manager state machine.

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

**Error Message** SYSMGR-3-INVALID\_UUID: Service "[chars]" is configured with UUID [hex], but uses UUID [hex].

**Explanation** The identity of a service is inconsistent in the image file

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

**Error Message** SYSMGR-3-ISSU\_BEGIN\_FAILED: ISSU cannot proceed (error-id [hex]).

**Explanation** This message indicates that some service has blocked the ISSU.

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-KILLALLSRVS\_FAILURE: Sysmgr rtbd controller timed out while terminating all services.

**Explanation** One or more services did not terminate during upgrade/downgrade.

**Recommended Action** Please collect show tech ha to find the service that did not terminate.

**Error Message** SYSMGR-3-LC\_IMAGE\_UPGRADE\_FAILURE: Linecard image upgrade request failed(error-id [hex]).

**Explanation** Linecard image upgrade request failed

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

**Error Message** SYSMGR-3-LC\_RESET: Resetting linecard

**Explanation** Linecard is being reset

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

**Error Message** SYSMGR-3-LC\_SAVE\_STATES\_FAILURE: Save states request for the linecard failed(error-id [hex]).

**Explanation** Save state request for the linecard failed

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

**Error Message** SYSMGR-3-LC\_STOP\_ASYNC\_FAILURE: Stop async notification request failed(error-id [hex]).

**Explanation** Stop async notification request for the linecard failed

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

**Error Message** SYSMGR-3-LC\_UPG\_ERROR: LC ERROR: [chars]

**Explanation** Linecard upgrade error 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.

**Error Message** SYSMGR-3-MISSING\_OPTIONAL\_CAPABILITY: Incomplete support for the current running-config on standby supervisor.

**Explanation** Loose config incompatibilities exist between active and standby sup. Operational redundancy mode is still set to HA.

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-MODULE\_LOCK\_FAILED: Failed to lock the local module to avoid reset (error-id [hex]).

**Explanation** Locking the local module has failed. Reloading the local module can now result in switchover to fail.

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-ND\_UPGD\_RECOVERY\_SRVFAILED: Service "[chars]" in vdc [dec] failed in non-disruptive upgrade recovery (error-id [hex]).

**Explanation** The non-disruptive upgrade failed because a service could not recover its state.

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-OPERATIONAL\_MODE\_WARM: Operational redundancy mode set to warm (error-id [hex]).

**Explanation** Operational redundancy mode will be set to warm. [dec] is the error-ID representing the reason.

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-PARTIAL\_CFGWRITE\_FAILED: Partial configuration copy failed (error-id [hex]).

**Explanation** The requested configuration copy has failed. [dec] is the error-ID representing the failure reason.

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-PARTIAL\_CFGWRITE\_VER\_MISMATCH: Startup-config version not same as current software version.

**Explanation** Startup-config version not same as current software version.

**Recommended Action** Please do a copy running startup, and try again.

**Error Message** SYSMGR-3-RTDBCTRL\_BUILD\_UPG\_TBL\_FAILED: Failed to prepare upgrade version table during pre-upgrade

**Explanation** A required sequence in the preupgrade sequence has failed. The version table could not be built correctly

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



**Error Message** SYSMGR-3-RTDBCTRL\_SRVFAILURE: Service "[chars]" responded with a failure

**Explanation** A service responded with a failure to the request

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

**Error Message** SYSMGR-3-RTDBCTRL\_SRVTIMEOUT: Service "[chars]" failed to respond back to System Manager in the specified timeout period

**Explanation** A required service has failed to send a response after receiving a request for the fabric switch upgrade.

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

**Error Message** SYSMGR-3-RTDBCTRL\_SRV\_RECV\_FAILED: Failed to receive response from Service "[chars]"

**Explanation** A required service has failed to send a response after receiving a request for the fabric switch upgrade.

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

**Error Message** SYSMGR-3-RTDBCTRL\_SRV\_SEND\_FAILED: Failed to send upgrade request to Service "[chars]"

**Explanation** Failed to send upgrade request to a required service

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

**Error Message** SYSMGR-3-SERVICE\_BACKTRACE: [chars]

**Explanation** Service crashed

**Recommended Action** No actions required.

**Error Message** SYSMGR-3-SERVICE\_TERMINATED: Service "[chars]" (PID [dec]) has finished with error code [chars] ([dec]).

**Explanation** A service has terminated its execution normally. Depending on the value of [dec2] and the HA policies implemented for the service, the service might be restarted automatically.

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-SHUTDOWN\_OVER: The System Manager is shutting down now.

**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-SHUTDOWN\_START: The System Manager has started the shutdown procedure.

**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-STANDBY\_UNSTABLE\_FTSET\_OPERATION: Restarting standby since it is not in hot standby state while feature-set operation was in progress in vdc [dec].

**Explanation** Standby unstable during feature-set operation

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-STANDBY\_VDC\_RESTART\_FAILURE: vdc [dec] on standby failed to restart. error: [chars] ([hex])

**Explanation**

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-SYSMGR\_CRASHED: Sysmgr (PID [dec]) [chars]

**Explanation** Sysmgr has terminated abnormally.

**Recommended Action** Please use the command 'show process' to verify that sysmgr has been restarted.

**Error Message** SYSMGR-3-SYSMGR\_SDB\_ERR: [chars]: SDB [chars] failed [chars]([dec])

**Explanation** SDB failed

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-TFTP\_CORES\_FAILED: TFTPping cores failed ([chars]).

**Explanation** TFTPping cores to the destination failed because of an error specified in the log.

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-UNACCEPTABLE\_WAIT: Service "[chars]", no response from System Manager after [dec] seconds. Terminating.

**Explanation** A spawned service couldn't handshake with the System Manager and it's about to be terminated.

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

**Error Message** SYSMGR-3-UNLINK\_RELINK\_CONF\_FILES\_FAILED: [chars] of conf files failed. plugin\_id [dec]

**Explanation** Unlink and/or Relink of configuration files failed.

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-URIFS\_APPLY\_FAILED: Applying URI filesystem database failed (error-id [hex]).

**Explanation** The application of URI filesystem database has failed. [dec] is the error-ID representing the failure reason.

**Recommended Action** No action is required.

**Error Message** SYSMGR-3-VAR\_SYSMGR\_FTP\_FULL: System partition is unexpectedly high at [dec]%.  
[dec]%

**Explanation** System partition is almost full.

**Recommended Action** Please run command 'run bash sudo df -k /var/sysmgr/ftp' and clean up the directory.

**Error Message** SYSMGR-3-VAR\_SYSMGR\_FULL: System core file storage usage is unexpectedly high at [dec]%. This may cause corruption of core files

**Explanation** System core file storage space is almost full.

**Recommended Action** Please copy cores off the supervisor and run 'clear cores' to free some space

## SYSMGR-4

**Error Message** SYSMGR-4-BASIC\_TRACE\_WARNING: [chars]: PID [dec] with message [chars].

**Explanation**

**Recommended Action** No action is required.

**Error Message** SYSMGR-4-CFGWRITE\_PARTIALFORCED: Some services are missing; partial configuration write forced.

**Explanation** The system is not fully operational, but a configuration copy has been forced. The services that are not running won't save their configuration, and the next time they will restart with a default configuration.

**Recommended Action** Use the 'show process' command to find out which required services are not running.

**Error Message** SYSMGR-4-DISCARD\_BINCFG\_DOWNGRADE\_VERSIONID: Binary configuration is being discarded, because the configuration was generated previously by an image with higher version identifier

**Explanation** Binary configuration is being discarded, because the configuration was generated previously by an image with higher version identifier

**Recommended Action** No actions required. System will fallback to ASCII configuration

**Error Message** SYSMGR-4-DISCARD\_BINCFG\_HIGH\_TRAINSTAMP: Binary configuration is being discarded, because the configuration was generated previously by an image having higher trainstamp

**Explanation** Binary configuration is being discarded, because the configuration was generated previously by an image having higher trainstamp

**Recommended Action** No actions required. System will fallback to ASCII configuration

**Error Message** SYSMGR-4-DISCARD\_BINCFG\_SRG\_INCOMPATIBLE: Binary configuration is being discarded due to incompatibility with running version

**Explanation** Binary configuration is being discarded due to incompatibility with running version

**Recommended Action** No actions required. System will fallback to ASCII configuration

**Error Message** SYSMGR-4-INVALID\_GSYNC\_GET: Service "[chars]" vdc [dec] requesting gsync without setting proper flag in its conf file.

**Explanation** Service is requesting global sync without setting proper flag in its conf file.

**Recommended Action** No action is required.

**Error Message** SYSMGR-4-ON\_DEMAND\_STOP\_UID\_KNOWN: On-demand service "[chars]" stopped by uid ([dec]).

**Explanation** The service start type is specified as type on-demand in its configuration file and a service requested to abort it.

**Recommended Action** No action is required.

**Error Message** SYSMGR-4-ON\_DEMAND\_STOP: On-demand service "[chars]" stopped.

**Explanation** The service start type is specified as type on-demand in its configuration file and an external request requested to abort it.

**Recommended Action** No action is required.

**Error Message** SYSMGR-4-PARSEWARN\_INVALID\_CFGFILE: [chars]: unable to find "[chars]": [chars] ([dec]).

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

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

**Error Message** SYSMGR-4-PARSEWARN\_RESTART\_CNT\_T00\_BIG: Service "[chars]": [chars] restart count of [dec] too big, needs to be set to [dec].

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

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

**Error Message** SYSMGR-4-PARSEWARN\_VALUE\_T00\_SMALL: [chars]: [chars] is too small, replaced with [dec].

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

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

**Error Message** SYSMGR-4-READCONF\_REJECT: Discarding configuration update request: [chars].

**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

**Error Message** SYSMGR-4-READCONF\_STARTED: Configuration update started (PID [dec]).

**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

**Error Message** SYSMGR-4-RESTORE\_RSRVD\_VLAN\_TO\_DEFAULT: Write erase procedure does not restore the default reserved VLAN range to [dec]-[dec]. Please run 'no system vlan reserve' to restore to defaults

**Explanation** Default reserved vlan range

**Recommended Action** No action is required.

**Error Message** SYSMGR-4-SRVSCOPE\_DELAYED: Waiting for redundancy state; termination delayed for scope [chars].

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Error Message** SYSMGR-4-SYSMGR\_CORE\_TRUNCATED: Core seems to be truncated on generation. [dec] / [dec] KB. PID: [dec]

**Explanation** Core likely truncated

**Recommended Action** No action is required.

**Error Message** SYSMGR-4-SYSMGR\_PATCH\_START\_SERVICE: vdc [dec]: Service [chars] has restarted with pid [dec] as part of patch operation

**Explanation** Service started for patching

**Recommended Action** No action is required.

**Error Message** SYSMGR-4-SYSMGR\_PATCH\_STOP\_SERVICE: vdc [dec]: Service [chars] with pid [dec] has exited as part of patch operation

**Explanation** Service exited for patching

**Recommended Action** No action is required.

**Error Message** SYSMGR-4-SYSMGR\_PLUGIN\_FAILURE: Received failure response [hex] from Plugin Manager

**Explanation** Failure response from plugin mgr

**Recommended Action** No action is required.

**Error Message** SYSMGR-4-SYSMGR\_VDC\_CORE\_DELETION: Cores in VDC [dec] will be deleted as part of VDC deletion

**Explanation** VDC cores deleted

**Recommended Action** No action is required.

**Error Message** SYSMGR-4-UGRP\_ALL\_COMPLETED: Upgrade completed for all the groups.

**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

## SYSMGR-5

**Error Message** SYSMGR-5-CFGERASE\_DONE: Configuration erase successful.

**Explanation** The requested configuration erase has completed successfully.

**Recommended Action** No action is required.

**Error Message** SYSMGR-5-CFGERASE\_STARTED: Configuration erase started (PID [dec]).

**Explanation** The requested configuration erase has started. [dec] is the Process-ID of the process servicing the request.

**Recommended Action** No action is required.

**Error Message** SYSMGR-5-CFGINIT\_STARTED: Initialization of the startup configuration started (PID [dec]).

**Explanation** The requested initialization of the startup configuration has started. [dec] is the Process-ID of the process servicing the request.

**Recommended Action** No action is required.

**Error Message** SYSMGR-5-CFGSNAPSHOT\_DONE: Configuration snapshot successful.

**Explanation** The requested configuration snapshot has completed successfully.

**Recommended Action** No action is required.

**Error Message** SYSMGR-5-CFGSNAPSHOT\_STARTED: Configuration snapshot started (PID [dec]).

**Explanation** The requested configuration snapshot has started. [dec] is the Process-ID of the process servicing the request.

**Recommended Action** No action is required.

**Error Message** SYSMGR-5-CFGWRITE\_DONE: Configuration copy successful.

**Explanation** The requested configuration copy has completed successfully.

**Recommended Action** No action is required.

**Error Message** SYSMGR-5-CFGWRITE\_STARTED: Configuration copy started (PID [dec]).

**Explanation** On the active supervisor, this message indicates that the system has started to service a 'copy running-config startup-config' requested by the user. On the standby supervisor, this message indicates that the system is synchronizing the startup-config from the active supervisor. [dec] is the Process-ID of the process servicing the request.

**Recommended Action** No action is required.

**Error Message** SYSMGR-5-CONVERT\_STARTUP\_STARTED: Configuration conversion started (PID [dec]).

**Explanation** This message indicates that the system has started conversion of startup configuration. This happens either on system boot or during the course of an upgrade.

**Recommended Action** No action is required.

**Error Message** SYSMGR-5-DELETE\_BINARY\_STARTUP\_STARTED: Deletion of binary startup configuration started (PID [dec]).

**Explanation** This message indicates that the system will be deleting the binary startup configuration, due to an error in the conversion of the startup conversion.

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

**Error Message** SYSMGR-5-FSM\_STATE\_TRANS: System Manager NESTED state transition from [chars] to [chars].

**Explanation**

**Recommended Action** No action is required.

**Error Message** SYSMGR-5-IMPROPER\_CLEANUP: Service "[chars]" exited without replying to switchover request.

**Explanation** A conditional service exited without replying to switchover request. This message is for logging purposes only and does not affect the functionality of the system

**Recommended Action** No action is required.

**Error Message** SYSMGR-5-ISSU\_ABORT: Notifying services of aborted ISSU (PID [dec]).

**Explanation** This message indicates that the ISSU has been aborted and the services have been asked to rollback any changes.

**Recommended Action** No action is required.

**Error Message** SYSMGR-5-ISSU\_BEGIN\_STARTED: Notifying services of ISSU (PID [dec]).

**Explanation** This message indicates that the system has started notifying services for the ISSU. Services can block the upgrade at this point.

**Recommended Action** No action is required.

**Error Message** SYSMGR-5-LC\_UPGRADE\_REBOOT: Rebooting linecard as a part of upgrade

**Explanation** Linecard is being rebooted as a part of upgrade

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

**Error Message** SYSMGR-5-LC\_UPGRADE\_START: Starting linecard upgrade

**Explanation** Linecard upgrade is starting

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

**Error Message** SYSMGR-5-MODULE\_ONLINE: System Manager has received notification of local module becoming online.

**Explanation** System Manager has received notification of local module becoming online.

**Recommended Action** No action is required.

**Error Message** SYSMGR-5-PARTIAL\_CFGWRITE\_ASCII\_CONFIG: Startup-config version not present.

**Explanation** Startup-config version not present.

**Recommended Action** Startup-config version is not present. Ascii configuration will be applied.

**Error Message** SYSMGR-5-PARTIAL\_CFGWRITE\_DONE: Partial configuration copy successful.

**Explanation** The requested configuration copy has completed successfully.

**Recommended Action** No action is required.

**Error Message** SYSMGR-5-PARTIAL\_CFGWRITE\_STARTED: Partial configuration copy started by UUID [hex] (PID [dec]).

**Explanation** This message is printed only on active supervisor, and indicates that service with mentioned UUID has requested a partial write mem. [dec] is the Process-ID of the process servicing the request.

**Recommended Action** No action is required.

**Error Message** SYSMGR-5-RECOVERY\_FAILED: Stateful recovery failed, system manager will now start stateless.

**Explanation** Stateful recovery failed, system manager will now restart system and start stateless.

**Recommended Action** No action is required.

**Error Message** SYSMGR-5-RUNTIME\_DB\_RESTORE\_STARTED: Runtime database controller started (PID [dec]).

**Explanation** This message indicates that the system has started the restoration of the runtime database. This happens during the non-disruptive fabric switch upgrade.

**Recommended Action** No action is required.

**Error Message** SYSMGR-5-RUNTIME\_DB\_RESTORE\_SUCCESS: Runtime database successfully restored.

**Explanation** This message indicates that the runtime database has been successfully restored for the non-disruptive fabric switch upgrade.

**Recommended Action** No action is required.

**Error Message** SYSMGR-5-RUNTIME\_DB\_SAVE\_STARTED: Runtime database save has started (PID [dec]).

**Explanation** This message indicates that the system has started the saving of the runtime database. This happens during the non-disruptive fabric switch upgrade.

**Recommended Action** No action is required.

**Error Message** SYSMGR-5-SERVICE\_DELETED: Service "[chars]" has been removed from the System Manager database.



**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

**Error Message** SYSMGR-5-STATEFUL\_STATE: System Manager is in state [chars] after stateful restart.

**Explanation** System Manager has been restarted stateful after an error that resulted in System Manager exiting.

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

**Error Message** SYSMGR-5-SUBPROC\_KILLED: "[chars]" (PID [dec]) hasn't caught signal [dec][chars]

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Error Message** SYSMGR-5-SUBPROC\_TERMINATED: "[chars]" (PID [dec]) has finished with error code [chars] ([dec]).

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Error Message** SYSMGR-5-UGRP\_COMPLETED: Upgrade completed for group [dec].

**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

## SYSMGR-6

**Error Message** SYSMGR-6-ALL\_SCOPES\_STARTED: System services have completely started at this time.

**Explanation** System services have completely started at this time.

**Recommended Action** No action is required.

**Error Message** SYSMGR-6-HANDSHAKE\_DONE: Handshake with service "[chars]" successfully performed.

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Error Message** SYSMGR-6-HANDSHAKE\_VERIFYING\_DONE: Handshake verification done from service "[chars]".

**Explanation**

**Recommended Action** No action is required.

**Error Message** SYSMGR-6-LC\_UPG\_DEBUG: LC NON-CRITICAL DEBUG: [chars]

**Explanation** Linecard upgrade debug message

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

**Error Message** SYSMGR-6-RLIMIT\_INFO: rlimit of service "[chars]"([dec]) = %llu

**Explanation**

**Recommended Action** No action is required.

**Error Message** SYSMGR-6-SRVSCOPE\_COMPLETED: Completed execution for scope [chars].

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Error Message** SYSMGR-6-SRVSCOPE\_STARTED: Started execution for scope [chars].

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Error Message** SYSMGR-6-SRVSTATE\_CHANGED: State for service "[chars]" changed from [chars] to [chars] in vdc [dec].

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Error Message** SYSMGR-6-SRV\_ENQUEUED\_FOR\_START: Conditional service "[chars]" started by sap "[dec]" has been enqueued for start.

**Explanation**

**Recommended Action** No action is required.

**Error Message** SYSMGR-6-STATE\_CHANGED: System Manager state changed from [chars] to [chars] for vdc [dec].

**Explanation**

**Recommended Action** No action is required.

**Error Message** SYSMGR-6-SUPERSTATE\_CHANGED: System Manager super state changed from [chars] to [chars] for vdc [dec].

**Explanation**

**Recommended Action** No action is required.

**Error Message** SYSMGR-6-UNEXPECTED\_GSYNC\_RESTART\_STANDBY: Sending a message to restart system on standby on vdc [dec].

**Explanation** Activity occurred on active supervisor that is incompatible with state of standby. System will be restarted on standby.

**Recommended Action** No action is required.

## SYSMGR-7

**Error Message** SYSMGR-7-CFGWRITE\_UNEXPECTEDRSP: Discarding unexpected response from service "[chars]".

**Explanation**

**Recommended Action** No action is required.

**Error Message** SYSMGR-7-DUPLICATED\_PFM\_HANDSHAKE: PFM-handshake received from service "[chars]", but information already available.

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Error Message** SYSMGR-7-LIBCDB\_FAILURE: Conversion for service "[chars]" failed in libcdb.

**Explanation** This message indicates that either the system could not find conversion tarball or there is no conversion library needed for this service.

**Recommended Action** No action is required.

**Error Message** SYSMGR-7-LIBVDB\_FAILURE: Conversion for service "[chars]" failed in libvdb.

**Explanation** This message indicates that the system could not find package information for this service in the version database.

**Recommended Action** No action is required.

**Error Message** SYSMGR-7-ND\_UPGD\_RECOVERY\_SRVSUCCEEDED: Service "[chars]" recovered its state during non-disruptive upgrade.

**Explanation**

**Recommended Action** No action is required.

**Error Message** SYSMGR-7-NO\_STARTUP\_CONFIG: No startup-config to convert.

**Explanation** This message indicates that the system tried to convert startup configuration but it found no configuration to convert.

**Recommended Action** No action is required.

**Error Message** SYSMGR-7-PSSCC\_SNAPSHOT\_ELAPSED\_TIME: PSS Consistency Checker snapshot took %ld.%06ld seconds.

**Explanation** This is the time used to generate the PSS Consistency Checker snapshot.

**Recommended Action** No action is required.

**Error Message** SYSMGR-7-SERVICE\_STARTED: Service "[chars]" in vdc [dec] started with PID([dec]).

**Explanation** The System Manager is starting a service. This message is for debugging purposes only.

**Recommended Action** No action is required.

**Error Message** SYSMGR-7-SERVICE\_SUCCESS\_EXIT: Service "[chars]" (PID [dec]) has successfully exited with exit code [chars] ([dec]).

**Explanation** A service has successfully exited its execution.

**Recommended Action** No action is required.

**Error Message** SYSMGR-7-SUBPROC\_SUCCESS\_EXIT: "[chars]" (PID [dec]) has successfully exited with exit code [chars] ([dec]).

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Error Message** SYSMGR-7-SWITCHOVER\_SRVSUCCEEDED: Service "[chars]" completed its switchover actions.

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Error Message** SYSMGR-7-UNEXPECTEDMSG: Opcode [dec] not expected at this time from service "[chars]" ([chars]).

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Error Message** SYSMGR-7-UNKNOWNADDR: Opcode [dec] received from unknown source [chars]. Discarding.

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Error Message** SYSMGR-7-UNKNOWNMSG: Unknown opcode [dec] received from [chars].

**Explanation** The System Manager has received an unrecognized message with the specified opcode. [chars] is the source of the message. This message is for debugging purposes only.

**Recommended Action** No action is required.

**Error Message** SYSMGR-7-UNKNOWNPID: Opcode [dec] received from [chars] with unknown PID [dec]. Discarding.

**Explanation** The System Manager has received a message from an unknown process. [chars] is the source of the message. This message is for debugging purposes only.

**Recommended Action** No action is required.

**Error Message** SYSMGR-7-UNKNOWNUUID: Opcode [dec] received from [chars] with unknown UUID [dec]. Discarding.

**Explanation** The System Manager has received an unrecognized message from the specified UUID. [chars] is the source of the message. This message is for debugging purposes only.

**Recommended Action** No action is required.

## TACACS Messages

This section contains the TACACS messages.

### TACACS-2

**Error Message** TACACS-2-TACACS\_PROGRAM\_EXIT: TACACS+ daemon exiting: [chars]

**Explanation** TACACS+ daemon is exiting.

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

### TACACS-3

**Error Message** TACACS-3-TACACS\_ERROR\_MESSAGE: [chars]

**Explanation** TACACS+ Error Message

**Recommended Action** No action is required.

### TACACS-4

**Error Message** TACACS-4-TACACS\_WARNING: [chars]

**Explanation** TACACS+ warning

**Recommended Action** No action is required.

### TACACS-5

**Error Message** TACACS-5-TACACS\_MONITOR\_STATUS: [chars] [chars]

**Explanation** Notifying Tacacs+ server monitor status change

**Recommended Action** No action is required.

**Error Message** TACACS-5-TACACS\_NOTIFICATION: [chars]

**Explanation** TACACS+ notification

**Recommended Action** No action is required.

**Error Message** TACACS-5-TACACS\_SERVER\_STATUS: [chars] server [chars] with auth-port [dec] and acct-port [dec] status has changed from [chars] to [chars]. Server was in previous-state for [chars], and total dead time of the server is [chars]

**Explanation** Notifying Tacacs+ server status change

**Recommended Action** No action is required.

### TACACS-6

**Error Message** TACACS-6-TACACS\_ACCOUNTING\_MESSAGE: [chars]

**Explanation** Accounting Message

**Recommended Action** No action is required.

**Error Message** TACACS-6-TACACS\_MESSAGE: [chars]

**Explanation** TACACS+ Message

**Recommended Action** No action is required.

## TCAP Messages

This section contains the TCAP messages.

### TCAP-2

**Error Message** TCAP-2-MEM\_FULL: Memory allocation failed.

**Explanation** TCAP process has failed to allocate memory.

**Recommended Action** Please perform a 'show tcap event-history' to collect more information.

**Error Message** TCAP-2-PROC\_DN: Process is shutting down: [chars]

**Explanation** TCAP process is exiting.

**Recommended Action** Please perform a 'show tcap event-history' to collect more information.

**Error Message** TCAP-2-PROC\_INITFAIL: Process initialization failed due to [chars].

**Explanation** TCAP process has failed initialization.

**Recommended Action** Please perform a 'show tcap event-history' to collect more information.

## TTYD Messages

This section contains the TTYD messages.

### TTYD-2

**Error Message** TTYD-2-TTYD\_ERROR: TTYD Error [chars]

**Explanation** Critical TTY daemon error.

**Recommended Action** No action is required.

**Error Message** TTYD-2-TTYD\_MTS: TTYD Message queue [dec] [chars]

**Explanation** TTY daemon message error.

**Recommended Action** No action is required.

**Error Message** TTYD-2-TTYD\_SDWRAP: TTYD Debug Facility error [dec] [chars]

**Explanation** TTY daemon Debug Facility failed.

**Recommended Action** No action is required.

### TTYD-3

**Error Message** TTYD-3-TTYD\_MISC\_ERROR: Error [chars] with error [chars]([hex])

**Explanation** TTY daemon errors.

**Recommended Action** No action is required.

### TTYD-4

**Error Message** TTYD-4-TTYD\_WARN: TTYD Warning [chars]

**Explanation** TTY daemon warning.

**Recommended Action** No action is required.

### TTYD-6

**Error Message** TTYD-6-TTYD\_MISC: TTYD [chars]

**Explanation** The tty daemon miscellaneous message.

**Recommended Action** No action is required.

**Error Message** TTYD-6-TTYD\_PSS: TTYD Store error:[hex] [chars]

**Explanation** Failed to store configuration for TTY service.

**Recommended Action** No action is required.

## U2RIB Messages

This section contains the U2RIB messages.

### U2RIB-2

**Error Message** U2RIB-2-IPC\_PROCESSING\_ERR: Error in processing IPC message : Opcode = [dec], Error code = [hex]

**Explanation** U2RIB encountered an error in processing an MTS message. The error and message are specified in the error message

**Recommended Action** No action is required.

**Error Message** U2RIB-2-U2RIB\_INIT: U2RIB initialization of [chars] [chars]

**Explanation** U2RIB initialization failed

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

## U2RIB-3

**Error Message** U2RIB-3-U2RIB\_LBL\_SELECT\_ERROR: Error in predicting the load-balance selection, error code = [hex], [chars]

**Explanation** Error in processing or communicating with hardware

**Recommended Action** No action is required.

**Error Message** U2RIB-3-U2RIB\_LD\_BLNCE\_ERROR: Error in config. lb parameters using the DCEFIB Library, error code = [hex], [chars]

**Explanation** Error while communicating with the dcefib library

**Recommended Action** No action is required.

## U2RIB-5

**Error Message** U2RIB-5-U2RIB\_DISABLED: U2RIB Disabled

**Explanation** U2RIB Service Disabled

**Recommended Action** No action is required.

**Error Message** U2RIB-5-U2RIB\_ENABLED: U2RIB Enabled

**Explanation** U2RIB Service enabled

**Recommended Action** No action is required.

## U2RIB-6

**Error Message** U2RIB-6-STATE\_CREATED: Internal state created [chars]

**Explanation** U2RIB has created its internal state stateless/stateful [chars].

**Recommended Action** No action is required.

## UDLD Messages

This section contains the UDLD messages.

### UDLD-3

**Error Message** UDLD-3-IDB\_ERROR: UDLD error handling [chars] interface: [chars]

**Explanation** A software error occurred in UDLD processing associated with a specific interface.

**Recommended Action** LOG\_STD\_SH\_TECH\_ACTION

**Error Message** UDLD-3-MSG\_SEND\_FAILURE: failed to send [chars] to sap [dec]: [chars]



**Explanation** Failed to send a message

**Recommended Action** LOG\_STD\_SH\_TECH\_ACTION

**Error Message** UDLD-3-UDLD\_INTERNAL\_ERROR: UDLD internal error: [chars]

**Explanation** A software sanity check failed in the course of UDLD processing.

**Recommended Action** LOG\_STD\_SH\_TECH\_ACTION

**Error Message** UDLD-3-UDLD\_INTERNAL\_IF\_ERROR: UDLD internal error, interface [chars]: [chars]

**Explanation** A software sanity check failed in the course of UDLD processing.

**Recommended Action** LOG\_STD\_SH\_TECH\_ACTION

## UDLD-4

**Error Message** UDLD-4-UDLD\_GWRAP\_COUNT: UDLD gwrap count is %lu, please log a 'show tech udd' for detail info.

**Explanation** UDLD gwrap count reached high level, show tech udd is needed to debug it.

**Recommended Action** LOG\_STD\_SH\_TECH\_ACTION

**Error Message** UDLD-4-UDLD\_NEIGHBOR\_MISMATCH: UDLD neighbor mismatch detected, exp: [chars], rec [chars]. Please collect debug info using:  
<http://wikicentral.cisco.com/confluence/display/KGP/UDLD+debug>

**Explanation** An interface will be disabled because UDLD protocol detected a neighbor mismatch condition on the interface indicated. Cause is likely due to bad interface hardware or cable misconfiguration. User should investigate.

**Recommended Action** LOG\_STD\_SH\_TECH\_ACTION

**Error Message** UDLD-4-UDLD\_PORT\_DISABLED: Interface [chars], link error detected: [chars]. Please collect debug info using: <http://wikicentral.cisco.com/confluence/display/KGP/UDLD+debug>

**Explanation** An interface was disabled because UDLD protocol detected the cause on the interface indicated. Cause is likely due to bad interface hardware or cable misconfiguration. User should investigate.

**Recommended Action** LOG\_STD\_SH\_TECH\_ACTION

**Error Message** UDLD-4-UDLD\_PORT\_RESET: UDLD reset interface [chars]

**Explanation** A port which had been disabled for UDLD has been reset.

**Recommended Action** LOG\_STD\_SH\_TECH\_ACTION

**Error Message** UDLD-4-UDLD\_SFP\_TYPE\_CHANGED: User changed SFP type on [chars] from [chars] to [chars], default udd port configuration was applied, 'copy running-config startup-config' recommended

**Explanation** SFP type was changed on this interface, all user modified configuration will be reverted back to the default config.

**Recommended Action** No action is required.

## UDLD-5

**Error Message** UDLD-5-UDLD\_AGGRESSIVE: UDLD Aggressive

**Explanation** UDLD Service Aggressive

**Recommended Action** No action is required.

**Error Message** UDLD-5-UDLD\_DISABLED: UDLD Disabled

**Explanation** UDLD Service Disabled

**Recommended Action** No action is required.

**Error Message** UDLD-5-UDLD\_ENABLED: UDLD Enabled

**Explanation** UDLD Service Enabled

**Recommended Action** No action is required.

## UFDM Messages

This section contains the UFDM messages.

### UFDM-2

**Error Message** UFDM-2-FIB\_ROUTE\_UPDATE\_ERR: Route update error from slot [dec] FIB

**Explanation** FIB returned route update error. Collect show tech-support forwarding l3 unicast for further analysis.

**Recommended Action** No action is required.

**Error Message** UFDM-2-INTERNAL\_ERROR: Internal error: [chars], collect output of show tech-support forwarding l3 unicast... command

**Explanation** UFDM hit a internal error. Collect show tech-support forwarding l3 unicast for further analysis.

**Recommended Action** No action is required.

**Error Message** UFDM-2-PROACTIVE\_CC\_CODE\_HIT: Error: Proactive CC code hit in ufdm

**Explanation** Proactive\_cc feature is not enabled The respective code should not get hit

**Recommended Action** No action is required.

**Error Message** UFDM-2-TCAM\_INGRESS\_ARP\_ETHER\_NOT\_CONFIGURED: Warning: TCAM region for Ingress ARP-Ether is not configured.

**Explanation** Warning: TCAM region for Ingress ARP-Ether is not configured. VXLAN L3 gateway requires this tcam region. Please configure it.

**Recommended Action** No action is required.

**Error Message** UFDM-2-VXLAN\_L3\_CONFIG\_REACHED\_SCALE\_LIMIT: VxLAN L3 config reached scale limit  
Total VXLAN L3 interfaces [dec] (Max Supported [dec])

**Explanation** VxLAN L3 config reached scale limit

**Recommended Action** No action is required.

### UFDM-3

**Error Message** UFDM-3-FIB\_IPv4\_ADJ\_CONSISTENCY\_CHECKER\_FAIL: FIB IPv4 adjacency consistency  
checker FAILED on slot [chars]

**Explanation** FIB Ipv4 adjacency consistency checker Failed. Adjacency database is inconsistent with  
hardware

**Recommended Action** No action is required.

**Error Message** UFDM-3-FIB\_IPv4\_ADJ\_CONSISTENCY\_CHECKER\_PASS: FIB IPv4 adjacency consistency  
checker PASSED on slot [chars]

**Explanation** FIB Ipv4 adjacency consistency checker passed. Adjacency database is consistent with  
hardware

**Recommended Action** No action is required.

**Error Message** UFDM-3-FIB\_IPv4\_CONSISTENCY\_CHECKER\_TIMEDOUT: FIB IPv4 consistency checker  
timedout on slot [chars]

**Explanation** FIB Ipv4 route/adjacency consistency checker couldnot complete

**Recommended Action** No action is required.

**Error Message** UFDM-3-FIB\_IPv4\_ROUTE\_CONSISTENCY\_CHECKER\_FAIL: FIB IPv4 consistency checker  
FAILED on slot [chars]

**Explanation** FIB Ipv4 route consistency checker Failed. Route database is consistent with hardware

**Recommended Action** No action is required.

**Error Message** UFDM-3-FIB\_IPv4\_ROUTE\_CONSISTENCY\_CHECKER\_PASS: FIB IPv4 route consistency  
checker PASSED on slot [chars]

**Explanation** FIB Ipv4 route consistency checker Passed. Route database is consistent with hardware

**Recommended Action** No action is required.

**Error Message** UFDM-3-FIB\_IPv6\_ADJ\_CONSISTENCY\_CHECKER\_FAIL: FIB IPv6 consistency checker FAILED  
on slot [chars]

**Explanation** FIB Ipv6 adjacency consistency checker failed. Adjacency database is inconsistent with  
hardware

**Recommended Action** No action is required.

**Error Message** UFDM-3-FIB\_IPv6\_ADJ\_CONSISTENCY\_CHECKER\_PASS: FIB IPv6 consistency checker PASSED on slot [chars]

**Explanation** FIB Ipv6 adjacency consistency checker passed. Adjacency database is consistent with hardware

**Recommended Action** No action is required.

**Error Message** UFDM-3-FIB\_IPv6\_CONSISTENCY\_CHECKER\_TIMEDOUT: FIB IPv6 consistency checker timed out on slot [chars]

**Explanation** FIB Ipv6 route/adjacency consistency checker couldnt complete

**Recommended Action** No action is required.

**Error Message** UFDM-3-FIB\_IPv6\_ROUTE\_CONSISTENCY\_CHECKER\_FAIL: FIB IPv6 route consistency checker FAILED on slot [chars]

**Explanation** FIB Ipv6 route consistency checker failed. Route database is inconsistent with hardware

**Recommended Action** No action is required.

**Error Message** UFDM-3-FIB\_IPv6\_ROUTE\_CONSISTENCY\_CHECKER\_PASS: FIB IPv6 route consistency checker PASSED on slot [chars]

**Explanation** FIB Ipv6 route consistency checker didnot detect. Route software database is consistent with hardware

**Recommended Action** No action is required.

**Error Message** UFDM-3-PROACTIVE\_CC\_INCONSISTENCY\_FOUND: Inconsistencies found in Proactive CC session

**Explanation** Inconsistencies found in the forwarding table while proactive CC was running

**Recommended Action** Run: show forwarding proactive-cc inconsistencies \n show forwarding proactive-cc inconsistencies all

## UFDM-5

**Error Message** UFDM-5-DNLD\_TIMEDOUT: Download timer expired: [chars]

**Explanation** UFDM download timer expired. Collect show tech-support forwarding I3 unicast for futher analysis.

**Recommended Action** No action is required.

## UFDM-6

**Error Message** UFDM-6-FIB\_IPv4\_CONSISTENCY\_CHECKER\_START: FIB IPv4 consistency checker started on slot [chars]

**Explanation** FIB Ipv4 route/adjacency consistency checker has been started

**Recommended Action** No action is required.

**Error Message** UFDm-6-FIB\_IPv4\_CONSISTENCY\_CHECKER\_STOP: FIB IPv4 consistency checker stopped on slot [chars]

**Explanation** FIB Ipv4 route/adjacency consistency checker has been stopped

**Recommended Action** No action is required.

**Error Message** UFDm-6-FIB\_IPv6\_CONSISTENCY\_CHECKER\_START: FIB IPv6 consistency checker started on slot [chars]

**Explanation** FIB Ipv6 route/adjacency consistency checker has been started

**Recommended Action** No action is required.

**Error Message** UFDm-6-FIB\_IPv6\_CONSISTENCY\_CHECKER\_STOP: FIB IPv6 consistency checker stopped on slot [chars]

**Explanation** FIB Ipv6 route/adjacency consistency checker has been stopped

**Recommended Action** No action is required.

## USBHSD Messages

This section contains the USBHSD messages.

### USBHSD-1

**Error Message** USBHSD-1-MANUAL\_FORMAT: logflash needs to be formatted

**Explanation** Logflash is not accessible; use \format logflash:\ to format it

**Recommended Action** No action is required.

### USBHSD-2

**Error Message** USBHSD-2-AUTO\_FORMAT: logflash auto-format [chars]

**Explanation** Logflash auto-format event

**Recommended Action** No action is required.

**Error Message** USBHSD-2-DISK\_BUSY\_FAILED: Cannot unmount [chars],

**Explanation** The specified disk interface is in use it can not be un mounted, The user may experience file system corruption

**Recommended Action** Make sure slot0 is not being used either by mounting or by any command and re-insert the disk again

**Error Message** USBHSD-2-DISK\_FSCK\_FAIL: file system check returned error on slot [dec]

**Explanation** Flash filesystem may be corrupted, the flash was taken while it was being accessed

**Recommended Action** Reformat the external flash

**Error Message** USBHSD-2-DISK\_MOUNT\_FAIL: disk mount unsuccessful on [chars]

**Explanation** Unknown flash filesystem or not cleanly un mounted

**Recommended Action** Use vfat flash only and make sure external slot is not being accessed then re-insert flash

**Error Message** USBHSD-2-DISK\_RESCAN\_FAIL: disk rescan unsuccessful on [chars]

**Explanation** Flash fliesyem was not cleanly un mounted

**Recommended Action** Make sure external slot is not being accessed and re-inset the flash

**Error Message** USBHSD-2-DISK\_UMOUNT\_FAIL: disk umount unsuccessful for [chars]

**Explanation** Flash fliesyem is busy the system could noy un-mount it

**Recommended Action** Make sure external slot is not being accessed and re-inset the flash

**Error Message** USBHSD-2-FORK: fork failed ([chars] process)

**Explanation** The flash daemon failed to fork

**Recommended Action** No action is required.

**Error Message** USBHSD-2-INTERNAL\_ERROR: Internal Error [dec]

**Explanation** The flash daemon interface returns error

**Recommended Action** Restart the idehsd deamon

**Error Message** USBHSD-2-MOUNT: [chars] online

**Explanation** Flash daemon mounting slot

**Recommended Action** No action is required.

**Error Message** USBHSD-2-UMOUNT: [chars] offline

**Explanation** Flash daemon un mounting slot

**Recommended Action** No action is required.

**Error Message** USBHSD-2-USB\_SWAP: USB insertion or removal detected

**Explanation** USB swap event

**Recommended Action** No action is required.

## USBHSD-3

**Error Message** USBHSD-3-DEVICEOPEN\_FAILED: device open failed. Component [chars]

**Explanation** The flash daemon device open failed The failure is due to the sub-component [chars]

**Recommended Action** No action is required.

## USBHSD-5

**Error Message** USBHSD-5-DISK\_SWAP: [chars] [chars]

**Explanation** Compach flash swap event

**Recommended Action** No action is required.

## USBHSD-6

**Error Message** USBHSD-6-DISK\_BUSY: trying to un mount disk [chars]

**Explanation** Flash daemon trying to umount busy slot

**Recommended Action** No action is required.

**Error Message** USBHSD-6-DISK\_EVENT: slot [dec] [chars]

**Explanation** Flash daemon found a disk hotswap handler event

**Recommended Action** No action is required.

**Error Message** USBHSD-6-IOCTL: ioctl: [chars] returns [dec]

**Explanation** Flash daemon trying to umount busy slot

**Recommended Action** No action is required.

**Error Message** USBHSD-6-STARTING: daemon started

**Explanation** The compact flash swap daemon successfully started

**Recommended Action** No action is required.

**Error Message** USBHSD-6-USBHSD\_INFO: [chars]

**Explanation** Flash daemon informational message

**Recommended Action** No action is required.

## USBHSD-7

**Error Message** USBHSD-7-USBHSD\_TRACE: [chars]() [chars]:[dec] disk=[dec]

**Explanation** Flash daemon debug message to trace code path

**Recommended Action** No action is required.

## VLAN\_MGR Messages

This section contains the VLAN\_MGR messages.

### VLAN\_MGR-2

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

**Explanation** VLAN Manager Critical Message

**Recommended Action** No action is required.

**Error Message** VLAN\_MGR-2-FABRIC\_DYNAMIC\_CORE\_VLAN\_RANGE\_REMOVED: Fabric dynamic and core VLAN ranges removed. Please delete VLANs [chars] in the ranges

**Explanation** VLAN Manager Core VLAN Range Removal Message

**Recommended Action** No action is required.

**Error Message** VLAN\_MGR-2-VLAN\_DELETE\_FAILED\_RSN\_BD\_EXIST: VTP request to delete VLAN(s) [chars] could not be processed. Bridge Domains exist for VLANs [chars]

**Explanation** VLAN delete failed since Bridge Domains Exist

**Recommended Action** No action is required.

**Error Message** VLAN\_MGR-2-VLAN\_MGR\_SENDING\_STP\_WITH\_MODE\_CHANGE\_1: Vlan\_mgr: sending stp with mode change - 1

**Explanation** VLAN Manager is sending STP with mode change - 1

**Recommended Action** No action is required.

**Error Message** VLAN\_MGR-2-VLAN\_MGR\_VLAN\_NOT\_PRESENT: Dynamic VLAN [dec] is not configured, please check vlan global configuration!

**Explanation** VLAN Manager failed to bring up Dynamic VLAN Message

**Recommended Action** No action is required.

## VLAN\_MGR-3

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

**Explanation** VLAN manager error

**Recommended Action** No action is required.

**Error Message** VLAN\_MGR-3-VLAN\_MGR\_DVLAN\_FAILED\_UP: Dynamic VLAN [dec] failed to be up! err: [hex]: [chars]

**Explanation** VLAN Manager failed to bring up Dynamic VLAN Message

**Recommended Action** No action is required.

**Error Message** VLAN\_MGR-3-VLAN\_MGR\_VLAN\_NOT\_ACTIVE: Dynamic VLAN [dec] is not active, please check configuration!

**Explanation** VLAN Manager failed to bring up Dynamic VLAN Message

**Recommended Action** No action is required.



## VLAN\_MGR-4

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

**Explanation** VLAN manager warning

**Recommended Action** No action is required.

## VLAN\_MGR-5

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

**Explanation** VLAN Manager Notification Message

**Recommended Action** No action is required.

**Error Message** VLAN\_MGR-5-RESERVED\_VLAN\_RANGE\_CHANGED: New Reserved VLAN Range Configured From VLAN [dec] to VLAN [dec]

**Explanation** VLAN Manager Reserved VLAN Reconfiguration Message

**Recommended Action** No action is required.

**Error Message** VLAN\_MGR-5-VLAN\_MGR\_DVLAN\_TEARDOWN: Dynamic VLAN [dec] is teared down by dot1x for interface [hex] !

**Explanation** VLAN Manager has Dynamic VLAN torn down Message

**Recommended Action** No action is required.

**Error Message** VLAN\_MGR-5-VLAN\_MGR\_DVLAN\_UP: Dynamic VLAN [dec] is up for interface [hex] !

**Explanation** VLAN Manager has Dynamic VLAN up Message

**Recommended Action** No action is required.

## VLAN\_MGR-6

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

**Explanation** VLAN manager info

**Recommended Action** No action is required.

**Error Message** VLAN\_MGR-6-VLAN\_CREATED: VLAN [dec], created

**Explanation** VLAN created

**Recommended Action** No action is required.

**Error Message** VLAN\_MGR-6-VLAN\_MGR\_STATEFULL\_RESTART: VLAN Manager statefull restart

**Explanation** VLAN Manager statefull restart

**Recommended Action** No action is required.

**Error Message** VLAN\_MGR-6-VLAN\_MGR\_STATELESS\_RESTART: VLAN Manager stateless restart

**Explanation** VLAN Manager stateless restart

**Recommended Action** No action is required.

**Error Message** VLAN\_MGR-6-VLAN\_OPER\_STATUS\_CHG: VLAN [dec], status changed to [chars]

**Explanation** VLAN operational state change

**Recommended Action** No action is required.

## VNI Messages

This section contains the VNI messages.

### VNI-2

**Error Message** VNI-2-ALLOC\_MEMORY: Memory allocation failed

**Explanation** The service failed to allocate a block of dynamic memory.

**Recommended Action** No action is required.

### VNI-3

**Error Message** VNI-3-INIT\_FAILED: Initialization failed. Component [chars]

**Explanation** The service failed to start. The failure occurred while initializing the component [chars].

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

### VNI-6

**Error Message** VNI-6-INTERFACE\_EVENT: VSAN interface [chars] [chars]

**Explanation** The specified VSAN Interface has been successfully [chars].

**Recommended Action** No action is required.

**Error Message** VNI-6-STARTING: Virtual Network Interface Manager started

**Explanation** The service has successfully started.

**Recommended Action** No action is required.

**Error Message** VNI-6-VSAN\_DELETED: VSAN [dec] has been deleted

**Explanation** The specified VSAN has been deleted. The service will delete all the configuration on that VSAN.

**Recommended Action** No action is required.

## VRRP-CFG Messages

This section contains the VRRP-CFG messages.

### VRRP-CFG-2

**Error Message** VRRP-CFG-2-ALLOC\_MEMORY: Memory allocation failed

**Explanation** The service failed to allocate a block of dynamic memory.

**Recommended Action** No action is required.

**Error Message** VRRP-CFG-2-VSH\_REGISTER\_FAIL: VSH registration failed returning [dec]

**Explanation** VRRP's parse tree registration with VSH failed

**Recommended Action** No action is required.

### VRRP-CFG-3

**Error Message** VRRP-CFG-3-INIT\_FAILED: Initialization failed. Component [chars]

**Explanation** The service failed to start. The failure occurred while initializing the component [chars].

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

**Error Message** VRRP-CFG-3-VRRP\_FEATURE\_MANAGER\_ERROR: Error in feature manager operation

**Explanation** The feature manager operation did not go through fine

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

### VRRP-CFG-5

**Error Message** VRRP-CFG-5-STARTING: VRRP Manager service started

**Explanation** The service successfully started.

**Recommended Action** No action is required.

## VRRP-ENG Messages

This section contains the VRRP-ENG messages.

### VRRP-ENG-2

**Error Message** VRRP-ENG-2-ALLOC\_MEMORY: Memory allocation failed

**Explanation** The service failed to allocate a block of dynamic memory.

**Recommended Action** No action is required.

**Error Message** VRRP-ENG-2-VR\_FAILURE: Error in VR[chars] [dec] interface [chars]. Going to init state

**Explanation** The VR [dec] on the interface [chars] is in init state for an internal error.

**Recommended Action** Show interface to check the status of the interface, show configuration, status and statistics of the specified virtual router, enable the vrrp debug and shut/ no shut the specified virtual router.

### VRRP-ENG-3

**Error Message** VRRP-ENG-3-ARP\_INIT\_ERROR: Failed to init ARP, ret [hex], errno [dec]

**Explanation** VRRP-ARP interaction failed.

**Recommended Action** No action is required.

**Error Message** VRRP-ENG-3-BFD\_IF\_SESSION\_REMOVAL\_ERROR: Failed to remove interface level VRRP-BFD sessions ([hex] [hex]), Refer logs

**Explanation** Plz refer internal error history for more details.

**Recommended Action** No action is required.

**Error Message** VRRP-ENG-3-BFD\_SESSION\_ADD\_ERROR: Failed to add a few VRRP-BFD sessions([hex] [hex]), Refer logs

**Explanation** Plz refer internal error history for more details.

**Recommended Action** No action is required.

**Error Message** VRRP-ENG-3-BFD\_SESSION\_CREATION\_ERROR: Failed to create BFD session information([hex] [hex]), Refer logs

**Explanation** Plz refer internal error history for more details.

**Recommended Action** No action is required.

**Error Message** VRRP-ENG-3-BFD\_SESSION\_REMOVAL\_ERROR: Failed to remove a few VRRP-BFD sessions([hex] [hex]), Refer logs

**Explanation** Plz refer internal error history for more details.

**Recommended Action** No action is required.

**Error Message** VRRP-ENG-3-INIT\_FAILED: Initialization failed. Component [chars]

**Explanation** The service failed to start. The failure occurred while initializing the component [chars].

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

**Error Message** VRRP-ENG-3-IP\_INIT\_ERROR: Failed to init IP, ret [hex], errno [dec]

**Explanation** VRRP-IP interaction failed.

**Recommended Action** No action is required.

**Error Message** VRRP-ENG-3-L3VM\_INIT\_ERROR: Failed to init L3VM, ret [hex], errno [dec]

**Explanation** VRRP-L3VM interaction failed.

**Recommended Action** No action is required.

**Error Message** VRRP-ENG-3-URIB\_INIT\_ERROR: Failed to init URIB, ret [hex], errno [dec]

**Explanation** VRRP-URIB interaction failed.

**Recommended Action** No action is required.

## VRRP-ENG-4

**Error Message** VRRP-ENG-4-BAD\_ADV: VR[chars] ID [dec] on interface [chars] bad advertisement received: reason [chars]

**Explanation** The virtual router specified has received an invalid advertisement.

**Recommended Action** Check that all VRRP nodes have the same configuration.

## VRRP-ENG-5

**Error Message** VRRP-ENG-5-INTERFACE\_DOWN: Cannot start the VR[chars] [dec] since the interface [chars] is down

**Explanation** The specified VR is enabled but can't change state from init. The specified interface is down or doesn't have a primary IP address configured.

**Recommended Action** No action is required.

**Error Message** VRRP-ENG-5-INTERFACE\_STATE\_CHANGE: Interface [chars] state changed to [chars]

**Explanation** The interface specified has changed state This could have triggered a VRRP status change.

**Recommended Action** No action is required.

**Error Message** VRRP-ENG-5-INVALID\_CONFIG: Cannot start the VR[chars] [dec] on the interface [chars]. Invalid IP configuration. Reason: [chars]

**Explanation** The specified VR on interface [chars] is enabled but the IP configuration is not valid because of [chars].

**Recommended Action** Show interface to check that the IP address of the interface is configured and it is in the same subnet of the virtual router address.

**Error Message** VRRP-ENG-5-STARTING: VRRP Engine service started

**Explanation** The service successfully started.

**Recommended Action** No action is required.

**Error Message** VRRP-ENG-5-VR\_STATE\_CHANGE: VR[chars] ID [dec] on interface [chars] state changed

to [chars], event [chars]

**Explanation** The status of the specified virtual router has changed to [chars].

**Recommended Action** No action is required.

## VRRP-ENG-6

**Error Message** VRRP-ENG-6-VSHA\_RESULT: VR ID [dec] on interface [chars] state change request result [chars]

**Explanation** The result of the request for status change on the virtual router (with VSHA extension) specified is [chars].

**Recommended Action** No action is required.

## VSHD Messages

This section contains the VSHD messages.

### VSHD-2

**Error Message** VSHD-2-VSHD\_CC\_DME: [chars]

**Explanation** Consistency checker between DME DB and running DB

**Recommended Action** Please collect show tech dme, show tech dmecc and accounting log if consistency checker fails

**Error Message** VSHD-2-VSHD\_INVALID\_HA\_OPERATOR\_OID: Unknown ha operator: [dec]

**Explanation** This is probably occurring due to improper config

**Recommended Action** Please collect show tech and debugs

**Error Message** VSHD-2-VSHD\_INVALID\_ROLE\_OPCODE\_OID: Invalid role op code [chars]

**Explanation** This is probably occurring due to improper config

**Recommended Action** Please collect show tech and debugs

**Error Message** VSHD-2-VSHD\_INVALID\_ROLE\_SYNC\_OID: Invalid role sync msg received

**Explanation** This is probably occurring due to improper config

**Recommended Action** Please collect show tech and debugs

**Error Message** VSHD-2-VSHD\_INVALID\_SUBTYPE\_RANGE\_OID: the name, the lower or the upper value of the subtype are not correct

**Explanation** This is probably occurring due to improper config

**Recommended Action** Please collect show tech and debugs

**Error Message** VSHD-2-VSHD\_ROLE\_DATABASE\_TOO\_LARGE: Role database too large. Unable to add RBAC

entry

**Explanation** There are too many rules and policies configured causing the entire role database to exceed 120KB

**Recommended Action** Please delete some rules, policies, or roles and try to better optimize the RBAC database

**Error Message** VSHD-2-VSHD\_SYSLOG\_EOL\_ERR: EOL function [chars] from library [chars] exited due to Signal [dec]

**Explanation** Error in CLI EOL function

**Recommended Action** No action is required.

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

**Explanation** PSS snapshot error

**Recommended Action** No action is required.

**Error Message** VSHD-2-VSHD\_SYSLOG\_SDWRAP\_ERR: Description:[chars] errcode:[dec]

**Explanation** Debug infrastructure error

**Recommended Action** No action is required.

### VSHD-3

**Error Message** VSHD-3-VSHD\_ROLE\_DISTRIBUTE\_FAILURE: Role distribution operation ([chars]) failed with error id [hex]

**Explanation** This is probably occurring due to unstable fabric

**Recommended Action** Please retry operation when fabric is stable

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

**Explanation** File handling error

**Recommended Action** No action is required.

**Error Message** VSHD-3-VSHD\_SYSLOG\_MTS\_ERR: message [chars]

**Explanation** MTS message handling error

**Recommended Action** No action is required.

**Error Message** VSHD-3-VSHD\_SYSLOG\_PARSE\_TREE\_ERR: [chars]

**Explanation** Error while updating parse tree in shell

**Recommended Action** No action is required.

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

**Explanation** PSS handling error

**Recommended Action** No action is required.

## VSHD-4

**Error Message** VSHD-4-VSHD\_LICENSE\_EXPIRY\_WARNING: License [chars] expires on [chars]. Vsan policy will be set to default (deny) for all roles when license expires

**Explanation** Vsan policy would be set default (deny) for all roles when license expires

**Recommended Action** Please install the license file to continue using the feature.

**Error Message** VSHD-4-VSHD\_MTS\_ERROR\_OID: [chars]

**Explanation** This is probably occurring due to improper config

**Recommended Action** Please collect show tech and debugs

**Error Message** VSHD-4-VSHD\_PORT\_CHANNEL\_CREATE: [chars]

**Explanation** This is probably occurring when trying to create more port channels than allowed

**Recommended Action** Please collect show tech, accounting logs and debugs

**Error Message** VSHD-4-VSHD\_ROLE\_DATABASE\_OUT\_OF\_SYNC: Role configuration database found to be different between the switches during merge

**Explanation** Role configuration database is recommended to be identical among all switches in the fabric.

**Recommended Action** Edit the configuration on one of the switches to obtain the desired role configuration database and then commit it

**Error Message** VSHD-4-VSHD\_ROLE\_DATABASE\_VERSION\_NOT\_UNDERSTOOD: This switch does not understand the version of role configuration database received during merge

**Explanation** This is probably occurring due to different versions of system image on switches in the fabric

**Recommended Action** Please make sure all switches are running the same version of the system image

**Error Message** VSHD-4-VSHD\_ROLE\_RULE\_ACCESS\_SCOPE\_EXTRA\_OID: Too many oid elements. Please enter up to 32.

**Explanation** This is probably occurring due to the value given for snmp oid field is more than 32 elements

**Recommended Action** Please make sure the oid element should not exceed 32

**Error Message** VSHD-4-VSHD\_ROLE\_RULE\_ACCESS\_SCOPE\_INVALID\_OID: Rule access scope OID value is Invalid

**Explanation** This is probably occurring due to the value given for snmp oid field is neither digit nor dot



**Recommended Action** Please make sure the oid value should only contains digit and dot

## VSHD-5

**Error Message** VSHD-5-VSHD\_SYSLOG\_CMD\_EXEC: User:[chars] executed the command:[chars]

**Explanation** CLI command was executed

**Recommended Action** No action is required.

**Error Message** VSHD-5-VSHD\_SYSLOG\_CONFIG\_CHANGE: VDC="[chars]", VTY="[chars]", user="[chars]", CMD="[chars]"

**Explanation** Configuration change notification

**Recommended Action** No action is required.

**Error Message** VSHD-5-VSHD\_SYSLOG\_CONFIG\_I: Configured from vty by [chars] on [chars]

**Explanation** CLI Configuration mode was exited

**Recommended Action** No action is required.

**Error Message** VSHD-5-VSHD\_SYSLOG\_ROLE\_CREATED: New cli role [chars] created

**Explanation** New cli role created

**Recommended Action** No action is required.

## VSHD-7

**Error Message** VSHD-7-VSHD\_SYSLOG\_PARSE\_TREE\_UPDATE: Parse tree [chars]

**Explanation** Parse tree updated in shell

**Recommended Action** No action is required.

## XMLMA Messages

This section contains the XMLMA messages.

### XMLMA-2

**Error Message** XMLMA-2-HEARTBEAT\_FAIL: XML master agent failed to send heart beat: [chars]

**Explanation** XML master agent has failed sending heartbeat.

**Recommended Action** No action is required.

**Error Message** XMLMA-2-INITFAIL: XML master agent initialization fails: [chars]

**Explanation** XML master agent has failed initialization.

**Recommended Action** No action is required.

**Error Message** XMLMA-2-MTSERROR: XML master agent mts operation failed: [chars]

**Explanation** XML master agent mts operation failed.

**Recommended Action** No action is required.

**Error Message** XMLMA-2-PSSFAILURE: XML master agent pss operation failed: [chars]

**Explanation** XML master agent pss operation failed.

**Recommended Action** No action is required.

**Error Message** XMLMA-2-XMLMACRIT: XML master agent: [chars]

**Explanation** XML master agent critical log.

**Recommended Action** No action is required.

### **XMLMA-3**

**Error Message** XMLMA-3-XMLMAERR: XML master agent: [chars]

**Explanation** XML master agent error log.

**Recommended Action** No action is required.

### **XMLMA-5**

**Error Message** XMLMA-5-STARTING: XML master agent started [chars]

**Explanation** XML master agent has been started.

**Recommended Action** No action is required.

### **XMLMA-6**

**Error Message** XMLMA-6-XMLMAEXIT: XML master agent exiting...: [chars]

**Explanation** XML master agent is exiting.

**Recommended Action** No action is required.

**Error Message** XMLMA-6-XMLMALOG: XML master agent operation log: [chars]

**Explanation** XML master agent operation log.

**Recommended Action** No action is required.

## **XMLSA Messages**

This section contains the XMLSA messages.

### **XMLSA-2**

**Error Message** XMLSA-2-CANDIDATE\_WRITE\_FAIL: Netconf session id:[dec],candidate config has no space left

**Explanation** No space left in candidate configuration of the netconf session.

**Recommended Action** Please send the commit or discard request for the outstanding config.

**Error Message** XMLSA-2-HEARTBEAT\_FAIL: XML sub agent failed sending heart beat: [chars]

**Explanation** XML sub agent failed sending heartbeat.

**Recommended Action** No action is required.

**Error Message** XMLSA-2-INITFAIL: XML sub agent initialization fails: [chars]

**Explanation** XML agent has failed initialization.

**Recommended Action** No action is required.

**Error Message** XMLSA-2-USER\_INACTIVE: XML sub agent timed out: [chars]

**Explanation** XML sub agent timedout due to inactivity.

**Recommended Action** No action is required.

**Error Message** XMLSA-2-VSH\_ERR: XML sub agent vsh cmd error...: [chars]

**Explanation** XML sub agent vsh cmd error.

**Recommended Action** No action is required.

## **XMLSA-5**

**Error Message** XMLSA-5-RPC\_ERROR: Netconf session id:[dec], operation:[chars], status:FAILED, reason:[chars]

**Explanation** Netconf operation has failed.

**Recommended Action** No action is required.

**Error Message** XMLSA-5-RPC\_OK: Netconf session id:[dec], operation:[chars], status:SUCCESS

**Explanation** Netconf operation is successful.

**Recommended Action** No action is required.

**Error Message** XMLSA-5-STARTING: XML sub agent started: [chars]

**Explanation** XML sub agent has been started.

**Recommended Action** No action is required.

## **XMLSA-6**

**Error Message** XMLSA-6-XMLSAEXIT: XML sub agent exiting...: [chars]

**Explanation** XML sub agent is exiting.

**Recommended Action** No action is required.

**Error Message** XMLSA-6-XMLSALOG: XML sub agent log: [chars]

**Explanation** XML sub agent log.

**Recommended Action** No action is required.