



## M to R

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

### M2FIB Messages

This section contains the M2FIB messages.

#### M2FIB-SLOT#-0

**Message** M2FIB-SLOT#-0-CLI\_INIT\_FAILED: CLI library initialization failed!

**Explanation** M2FIB failed to initialize CLI infrastructure's backend library. This is a fatal error.

**Recommended Action** No action is required.

**Message** M2FIB-SLOT#-0-TIMER\_INIT\_FAILED: Timer subsystem initialization failed!

**Explanation** M2FIB failed to initialize timer library. This is a fatal error.

**Recommended Action** No action is required.

#### M2FIB-SLOT#-2

**Message** M2FIB-SLOT#-2-M2FIB\_MAC\_TBL\_PRGMING: Failed to program the mac table on FE [dec] for group: FTAG [dec], ([dec] (BD [dec]), \*, [chars]). Error: [chars]. To avoid multicast traffic loss, disable OMF using the CLI: "no ip igmp snooping optimise-multicast-flood"

**Explanation** Failed to program the mac table. This is a critical failure please check m2fib error transactions

**Recommended Action** No action is required.

**Message** M2FIB-SLOT#-2-M2FIB\_MEM\_ALLOC: Memory allocation failed. [chars]

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

**Recommended Action** No action is required.

**Message** M2FIB-SLOT#-2-VLAN\_NOT\_FOUND: M2fib recvd invalid vlan!

**Explanation** M2FIB failed to process the route update as the vlan recvd was invalid

**Recommended Action** No action is required.

## M2FIB-SLOT#-6

**Message** M2FIB-SLOT#-6-INITIALIZED: Internal state created [chars]

**Explanation** M2FIB has created its internal state stateless/stateful [chars].

**Recommended Action** No action is required.

**Message** M2FIB-SLOT#-6-VDC\_CREATED: VDC [dec] created

**Explanation** Request to create VDC [dec] in M2FIB was successful.

**Recommended Action** No action is required.

**Message** M2FIB-SLOT#-6-VDC\_REMOVED: VDC [dec] Removed

**Explanation** M2FIB has successfully removed VDC [dec] from its databases.

**Recommended Action** No action is required.

**Message** M2FIB-SLOT#-6-VDC\_VLAN\_CREATED: VLAN [dec] created in VDC [dec]

**Explanation** M2FIB has added VLAN [dec] in VDC [dec].

**Recommended Action** No action is required.

**Message** M2FIB-SLOT#-6-VDC\_VLAN\_REMOVED: VLAN [dec] removed from VDC [dec]

**Explanation** M2FIB has successfully removed VLAN [dec] from VDC [dec].

**Recommended Action** No action is required.

## M2RIB Messages

This section contains the M2RIB messages.

### M2RIB-0

**Message** M2RIB-0-CLI\_INIT\_FAILED: CLI library initialization failed!

**Explanation** M2RIB failed to initialize CLI infrastructure's backend library. This is a fatal error.

**Recommended Action** No action is required.

### M2RIB-2

**Message** M2RIB-2-FLOOD\_PROG\_ERR1: Prev:[chars], Collect console logs and output of show tech-support m2rib

**Explanation** M2RIB has hit flood PROG error. Collect output of show tech-support m2rib for further analysis

**Recommended Action** No action is required.

**Message** M2RIB-2-FLOOD\_PROG\_ERR2: Curr:[chars], Collect console logs and output of show tech-support m2rib

**Explanation** M2RIB has hit flood prog error. Collect output of show tech-support m2rib for further analysis

**Recommended Action** No action is required.

**Message** M2RIB-2-IPC\_PROCESSING\_ERR: Error in processing IPC message: Opcode = [dec], Error code = [hex]

**Explanation** M2RIB encountered an error in processing an MTS message. The error and message are specified in the Message

**Recommended Action** No action is required.

**Message** M2RIB-2-M2RIB\_INIT: M2RIB initialization of [chars] [chars]

**Explanation** M2RIB initialization failed

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

**Message** M2RIB-2-MFDM\_API\_ERROR: ERROR PROG FLOOD ROUTES: Status:[chars]  
 Msg\_Ref\_State:[hex] Prev\_Count:[dec] Curr\_Count:[dec] Prev\_Msg:[hex]  
 Curr\_Msg:[hex], Collect output of show tech-support m2rib

**Explanation** MFDM returned Failure for flood programming. Collect output of show tech-support m2rib for further analysis

**Recommended Action** No action is required.

**Message** M2RIB-2-MFDM\_TIMEOUT\_ERR: M2RIB timed out waiting for MFDM: Transaction:  
 %p, Transaction entry: [chars]

**Explanation** Transaction timer for the message sent from M2RIB to MFDM has expired. Ack not received from MFDM.

**Recommended Action** No action is required.

## M2RIB-6

**Message** M2RIB-6-INITIALIZED: Internal state created [chars]

**Explanation** M2RIB has created its internal state stateless/stateful [chars].

**Recommended Action** No action is required.

**Message** M2RIB-6-SERVICE\_UP: Initialized [chars]

**Explanation** M2RIB line 2.

No action is required.

## MAC Messages

This section contains the MAC messages.

### MAC-SLOT#-2

**Message** MAC-SLOT#-2-MAC\_INFO: [chars]

**Explanation** MAC Informational message

**Recommended Action** No action is required.

## MCAST Messages

This section contains the MCAST messages.

## MCAST-2

**Message** MCAST-2-SHUTDOWN: Process shutting down: [chars]

**Explanation** Mcast is shutting down

**Recommended Action** The action depends on the situation. The multicast process can shut down gracefully because of a system restart (in which case no action needs to take place) or because of a failure. The message associated with the syslog should be self explanatory to understand the reason for the shutdown. If the process is able to restart properly, there is no immediate harm for the system stability and the suggested action is to report the syslog event together with an explanation of the operations most recently performed on the system.

## MCAST-4

**Message** MCAST-4-ERROR: [chars]

**Explanation** Mcast encountered a generic error

**Recommended Action** No action is required.

## MCAST-5

**Message** MCAST-5-BAD\_MSG: Received bad message: [chars]

**Explanation** Mcast has received a malformed/unrecognized message

**Recommended Action** No action is required.

**Message** MCAST-5-START: Process has been started

**Explanation** Mcast has been started

**Recommended Action** No action is required.

## MCECTEST Messages

This section contains the MCECTEST messages.

## MCECTEST-3

**Message** MCECTEST-3-ASSERTION\_FAILED: [chars]

**Explanation** MCECTEST has hit an assert condition at file [chars]

**Recommended Action** No action is required.

**Message** MCECTEST-3-INIT\_FAIL: [chars]

**Explanation** MCECTEST Initialization failed. due to [chars]

**Recommended Action** No action is required.

**Message** MCECTEST-3-INTERNAL\_ERR: [chars]

**Explanation** MCECTEST encountered an internal error due to [chars]

**Recommended Action** No action is required.

**Message** MCECTEST-3-MTS\_ERR: [chars]

**Explanation** MCECTEST encountered an MTS error due to [chars]

**Recommended Action** No action is required.

## MCECTEST-5

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

**Explanation** MCECTEST Service Disabled

**Recommended Action** No action is required.

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

**Explanation** MCECTEST Service enabled

**Recommended Action** No action is required.

## MCECTEST-6

**Message** MCECTEST-6-INTERNAL\_INFO: [chars]

**Explanation** MCECTEST got an internal info [chars]

**Recommended Action** No action is required.

## MCM Messages

This section contains the MCM messages.

## MCM-2

**Message** MCM-2-MCM\_CRITICAL\_ERROR: Internal Critical Error

**Explanation** Some critical error

**Recommended Action** No action is required.

**Message** MCM-2-MCM\_REPLICATION\_DISABLED: Proxy layer-3 modules are not available for replication. Proxy layer-3 multicast replication is disabled.

**Explanation** Replication is disabled

**Message** No action is required.MCM-2-MCM\_REQ\_RESP\_ERROR: Error ([hex]: [chars]) while communicating with component: [chars], opcode: [chars] (for: [chars])

**Explanation** Error in request-response handshake

**Recommended Action** No action is required.

**Message** MCM-2-MCM\_ROUTING\_DISABLED: Proxy layer-3 modules are not available for routing. Proxy layer-3 forwarding is disabled.

**Explanation** Routing is disabled

**Recommended Action** No action is required.

## MCM-5

**Message** MCM-5-MCM\_SDB\_UPDATE\_FAILED: sdb update failed with ret\_val [dec]

**Explanation** SDB updated failed for MCM

**Recommended Action** No action is required.

## MCM-6

**Message** MCM-6-MCM\_REPLICATION\_ENABLED: Proxy layer-3 modules are UP and available for replication. Proxy layer-3 multicast replication is enabled.

**Explanation** Replication is enabled

**Recommended Action** No action is required.

**Message** MCM-6-MCM\_ROUTING\_ENABLED: Proxy layer-3 modules are UP and available for routing. Proxy layer-3 forwarding is enabled.

**Explanation** Routing is enabled

**Recommended Action** No action is required.

## METROPOLIS\_USD Messages

This section contains the METROPOLIS\_USD messages.

### METROPOLIS\_USD-3

**Message** METROPOLIS\_LOG\_ERR\_METRO\_MSG1: Rewrite engine CRC error seen on instance %d , port\_list %s

**Explanation** Metropolis received packets with CRC error

**Recommended Action** Use another optical cable and transceivers. If the problem still persists, change the peer ports, such as the remote port to another or the local port to another. Run the commands 'diagnostic start module <mod> test all' and 'show diagnostic result module <mod> test all detail'. The result will display the information about the failures in HW, if any.

## MFDM Messages

This section contains the MFDM messages.

### MFDM-2

**Message** MFDM-2-DI\_REUSE: LTL node exists with DI [dec] oiflist\_index [dec] type [dec] and same DI returned for oiflist\_index [dec] type [dec] Please collect show tech-support forwarding distribution l2/l3 multicast and show tech-support pixm.

**Explanation** PIXM returned duplicate DI.

**Recommended Action** No action is required.

**Message** MFDM-2-DOWNLOAD\_TIMEOUT: Download of L2/L3 route databases timed out : download\_in\_progress\_slots [hex] for database [chars] [chars] [chars]

**Explanation** Download of L2/L3 route databases timed out. Download triggered by VMM insert request.

**Recommended Action** No action is required.



**Message** MFDM-2-INTERNAL\_ERROR: MFDM-[chars] Internal error: show system internal mfdm errors for more information

**Explanation** MFDM PD hit a internal error. show system internal mfdm errors for further analysis.

**Recommended Action** No action is required.

**Message** MFDM-2-LC\_ACK\_TIMEOUT: Ack from slot:[chars] timeout - xid:[hex], opcode:[chars], [chars].

**Explanation** Response from LC timeout for update

**Recommended Action** No action is required.

**Message** MFDM-2-REF\_OUTOFSYNC: In Decrement ltl\_node ref\_count: [dec] is less than count: [dec] passed in for DI: [hex], oiflist\_index: [dec], type: [dec]. Possible PI/PD refcount out-of-sync. Please collect show tech-support forwarding distribution l2/13 multicast and show tech-support pixm.

**Explanation** MFDM PI/PD refcount out-of-sync

**Recommended Action** No action is required.

**Message** MFDM-2-XID\_TAMPERED: Correcting xid in resp - rrtoken:[hex], req(xid:[dec], rt\_cnt:[dec], msg\_len:[dec], flag:[dec]), resp(xid:[dec], rt\_cnt:[dec], msg\_len:[dec], flag:[dec])

**Explanation** MFDM tampered xid in OTV response payload

**Recommended Action** No action is required.

## MODULE Messages

This section contains the MODULE messages.

### MODULE-2

**Message** MODULE-2-LCM\_PRE\_UPGRADE\_GENERAL\_FAIL: Pre upgrade message fails seq [dec]

**Explanation** pre- upgrade message failed.

**Recommended Action** No action is required.

**Message** MODULE-2-LCM\_UPGRADE\_DONE\_GENERAL\_FAIL: Upgrade done message fails SAP [chars]

**Explanation** Upgrade ready message failed.

**Recommended Action** No action is required.

**Message** MODULE-2-LCM\_UPGRADE\_OVER\_FAIL: Upgrade over message returned [dec] [hex] for SAP [dec]

**Explanation** Upgrade done message failed.

**Recommended Action** No action is required.

**Message** MODULE-2-LCM\_UPGRADE\_READY\_FAIL: Upgrade ready message returned [dec] [hex] for SAP [dec]

**Explanation** Upgrade ready message failed.

**Recommended Action** No action is required.

**Message** MODULE-2-LCM\_UPGRADE\_READY\_GENERAL\_FAIL: Upgrade ready message fails SAP [chars]

**Explanation** Upgrade ready message failed.

**Recommended Action** No action is required.

**Message** MODULE-2-MOD\_DIAG\_FAIL: Module [dec] (Serial number: [chars]) reported failure [chars] due to [chars] in device [chars] (device error [hex])

**Explanation** The module in slot [decimal digit] reported a failure in the runtime diagnostic. Module manager is going to power cycle the module.

**Recommended Action** Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

**Message** MODULE-2-MOD\_DNLD\_FAIL: Image download failed for module [dec] (Serial number: [chars])

**Explanation** Module [decimal digit] failed to download a new image from the supervisor.

**Recommended Action** Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

**Message** MODULE-2-MOD\_FAILURE: Re-initializing module [dec] (Serial number: [chars]) failed. Received lc\_failed from sap [hex] failure reason [hex]

**Explanation** Module [decimal digit] reported a failure during the initialization phase and will be rebooted.

**Recommended Action** Collect information about the module by issuing the commands 'show module\_internal all module '.

**Message** MODULE-2-MOD\_FAILURE: Re-initializing module [dec] (Serial number: [chars]) failed. Received lc\_failed from sap [hex] failure reason [hex]

**Explanation** Module [decimal digit] reported a failure during the initialization phase and will be rebooted.

**Recommended Action** Collect information about the module by issuing the commands show module\_internal all module <module> number

**Message** MODULE-2-MOD\_FAIL: Initialization of module [dec] (Serial number: [chars]) failed

**Explanation** Module [decimal digit] reported a failure during the initialization phase and will be powered down.

**Recommended Action** Collect information about the module by issuing the commands 'show module\_internal all module '.

**Message** MODULE-2-MOD\_MAJORSWFAIL: Module [dec] (Serial number: [chars]) reported a critical failure in service [chars]

**Explanation** A critical failure in service [string] happened at module [decimal digit] is going to reset the module [decimal digit].

**Recommended Action** Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

**Message** MODULE-2-MOD\_MINORSWFAIL: Module [dec] (Serial number: [chars]) reported a failure in service [chars]

**Explanation** A non-critical failure in service [string] happened at module [decimal digit] is not going to reset the module [decimal digit].

**Recommended Action** Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

**Message** MODULE-2-MOD\_NOT\_ALIVE: Module [dec] not responding... resetting (Serial number: [chars])

**Explanation** Module [decimal digit] is not replying to the hello message: module manager is then going to reset the module.

**Recommended Action** No action is required.

**Message** MODULE-2-MOD\_REGFAILED: Registration failed for module [dec]

**Explanation** Module [decimal digit] sent the registration message notifying a failure.

**Recommended Action** Collect module internal information by issuing the command 'show module internal all module [decimal digit]'.

**Message** MODULE-2-MOD\_SOMEPORTS\_FAILED: Module [dec] (Serial number: [chars]) reported failure on ports [dec]/[dec]-[dec]/[dec] ([chars]) due to [chars] in device [chars] (error [hex])

**Explanation** Module [decimal digit] reported a failure in the runtime diagnostic due to failure in some of the ports.

**Recommended Action** Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

**Message** MODULE-2-MOD\_UNKNOWN: Module type [[dec]] in slot [dec] is not supported

**Explanation** The software card id of module [decimal digit] is not supported by the supervisor.

**Recommended Action** Collect information about the module by issuing the commands 'show module internal all module [decimal digit]'

**Message** MODULE-2-XBAR\_DIAG\_FAIL: Xbar [dec] (Serial number: [chars]) reported failure [chars] due to [chars] in device [chars] (device error [hex])

**Explanation** The xbar in slot [decimal digit] reported a failure in the runtime diagnostic. Module manager is going to power cycle the module.

**Recommended Action** Collect information about the module by issuing the command 'show module internal all xbar [decimal digit]'.

**Message** MODULE-2-XBAR\_FAILURE: Re-initializing xbar [dec] (Serial number: [chars]) failed. Received lc\_failed from sap [hex] failure reason [hex]

**Explanation** Xbar [decimal digit] reported a failure during the initialization phase and will be rebooted.

**Recommended Action** Collect information about the module by issuing the commands 'show module\_internal all xbar '.

**Message** MODULE-2-XBAR\_FAILURE: Re-initializing xbar [dec] (Serial number: [chars]) failed. Received lc\_failed from sap [hex] failure reason [hex]

**Explanation** Xbar [decimal digit] reported a failure during the initialization phase and will be rebooted.

**Recommended Action** Collect information about the module by issuing the commands show module\_internal all xbar <module> number

**Message** MODULE-2-XBAR\_FAIL: Initialization of xbar [dec] (Serial number: [chars]) failed

**Explanation** Xbar [decimal digit] reported a failure during the initialization phase and will be powered down.

**Recommended Action** Collect information about the module by issuing the commands 'show module\_internal all xbar '.

**Message** MODULE-2-XBAR\_SOMEPORTS\_FAILED: Xbar [dec] (Serial number: [chars]) reported failure on ports [dec]/[dec]-[dec]/[dec] ([chars]) due to [chars] in device [chars] (error [hex])

**Explanation** Xbar [decimal digit] reported a failure in the runtime diagnostic due to failure in some of the ports.

**Recommended Action** Collect information about the module by issuing the command 'show module internal all xbar [decimal digit]'

**Message** MODULE-2-XBAR\_SOMEPORTS\_FAILED: Xbar [dec] (Serial number: [chars]) reported failure on ports [dec]/[dec]-[dec]/[dec] ([chars]) due to [chars] in device [chars] (error [hex])

**Explanation** Xbar [decimal digit] reported a failure in the runtime diagnostic due to failure in some of the ports.

**Recommended Action** Collect information about the module by issuing the command show module internal all xbar [decimal digit]'

**Message** MODULE-2-XBAR\_UNKNOWN: Xbar type [[dec]] in slot [dec] is not supported

**Explanation** The software card id of xbar [decimal digit] is not supported by the supervisor.

**Recommended Action** Collect information about the module by issuing the commands 'show module internal all xbar [decimal digit]'

## MODULE-3

**Message** MODULE-3-LCM\_SEQ\_ERROR: Error ([chars]) for slot:[dec] while communicating with component [chars] opcode:[chars] (for:[dec])

**Explanation** LCM encountered an error while executing a sequence for a module.

**Recommended Action** No action is required.

**Message** MODULE-3-LCM\_SYSLOG\_ERR: [chars]

**Explanation** LCM encountered an error while processing a message for module.

**Recommended Action** No action is required. '

**Message** MODULE-3-MOD\_SRG\_NOT\_COMPATIBLE: Module [dec] (Serial number: [chars]) firmware is not compatible with supervisor, downloading new image

**Explanation** The software version of module [decimal digit] is not supported by the supervisor.

**Recommended Action** Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

## MODULE-4

**Message** MODULE-4-MOD\_WARNING: Module [dec] (Serial number: [chars]) reported warning [chars] due to [chars] in device [chars] (device error [hex])

**Explanation** Module [decimal digit] reported a warning in the runtime diagnostic due to failure in some of the ports.

**Recommended Action** Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

**Message** MODULE-4-XBAR\_WARNING: Xbar [dec] (Serial number: [chars]) reported warning [chars] due to [chars] in device [chars] (device error [hex])

**Explanation** Xbar [decimal digit] reported a warning in the runtime diagnostic due to failure in some of the ports.

**Recommended Action** Collect information about the module by issuing the command 'show module internal all xbar [decimal digit]'.

## MODULE-5

**Message** MODULE-5-ACTIVE\_SUP\_OK: Supervisor [dec] is active (Serial number: [chars])

**Explanation** Module [decimal digit] is ready to be configured and be able to switch traffic.

**Recommended Action** No action is required.

**Message** MODULE-5-LCM\_MODULE\_UPGRADE\_END: Upgrade of module [dec] ended

**Explanation** Upgrade of the module has ended.

**Recommended Action** No action is required.

**Message** MODULE-5-LCM\_MODULE\_UPGRADE\_START: Upgrade of module [dec] started

**Explanation** Upgrade of the module has been started by installer

**Recommended Action** No action is required.

**Message** MODULE-5-MOD\_OK: Module [dec] is online (Serial number: [chars])

**Explanation** Module [decimal digit] is ready to be configured and be able to switch traffic.

**Recommended Action** No action is required.

**Message** MODULE-5-MOD\_REINIT: Re-initializing module [dec] (Serial number: [chars])

**Explanation** Module [decimal digit] reported a failure during the initialization phase and will be rebooted.

**Recommended Action** Collect information about the module by issuing the commands show module\_internal all module <module> number

**Message** MODULE-5-MOD\_RESTART: Module [dec] is restarting after image download

**Explanation** Module [decimal digit] completed image download and is restarting.

**Recommended Action** No action is required.

**Message** MODULE-5-MOD\_STARTUP\_CFG\_MISMATCH: The startup configuration cannot be applied to a different module type for module [dec] (Serial number: [chars]). [chars] module is replacing [chars].

**Explanation** The startup configuration for module [decimal digit] contains information about a different type of module instead of containing information about the current one.

**Recommended Action** No action is required.

**Message** MODULE-5-STANDBY\_SUP\_OK: Supervisor [dec] is standby

**Explanation** Module [decimal digit] is ready to be configured and be able to switch traffic.

**Recommended Action** No action is required.

**Message** MODULE-5-XBAR\_OK: Xbar [dec] is online (Serial number: [chars])

**Explanation** Xbar [decimal digit] is ready to be configured and be able to switch traffic.

**Recommended Action** No action is required.

**Message** MODULE-5-XBAR\_REINIT: Re-initializing xbar [dec] (Serial number: [chars])

**Explanation** Xbar [decimal digit] reported a failure during the initialization phase and will be rebooted.

**Recommended Action** Collect information about the module by issuing the commands show module\_internal all xbar <module> number

## MODULE-6

**Message** MODULE-6-MOD\_PURGE\_CONFIG: Purging the configuration for module [dec]

**Explanation** Notification is being sent to remove the module configurations.

**Recommended Action** No action is required.

**Message** MODULE-6-MOD\_REG\_OK: Registration succeeded for module [dec]

**Explanation** Module [decimal digit] sent a successful registration message.

**Recommended Action** No action is required.

## MONITOR Messages

This section contains the MONITOR messages.

### MONITOR-3

**Message** MONITOR-3-ETH\_SPAN\_SPM\_TIMER\_EXPIRY: SPM request timed out for ssn: [dec]

**Explanation** SPM Request timed out for ERSPAN-DST session

**Recommended Action** No action is required.

### MONITOR-5

**Message** MONITOR-5-ETH\_SPAN\_SESSION\_CREATED: Session [dec] created

**Explanation** A new span session has been created.

**Recommended Action** No action is required.

**Message** MONITOR-5-ETH\_SPAN\_SESSION\_DELETED: Session [dec] deleted

**Explanation** Session has been deleted.

**Recommended Action** No action is required.

**Message** MONITOR-5-ETH\_SPAN\_SESSION\_DOWN: Session [dec] is down. Reason '[chars]'

**Explanation** Session is down, no further traffic will be spanned.

**Recommended Action** No action is required.



**Message** MONITOR-5-ETH\_SPAN\_SESSION\_ERROR: Session [dec] is having error. Reason [chars]

**Explanation** The session is experiencing a problem.

**Recommended Action** Delete the session and try to reconfigure it

**Message** MONITOR-5-ETH\_SPAN\_SESSION\_UP: Session [dec] is up.

**Explanation** Session is up now. You can monitor Spanned traffic at the destination ports

**Recommended Action** No action is required.

**Message** MONITOR-5-ETH\_SPAN\_SOURCE\_ADDED: Source [chars] added to session [dec]

**Explanation** A new source has been added.

**Recommended Action** No action is required.

**Message** MONITOR-5-ETH\_SPAN\_SOURCE\_REMOVED: Source [chars] removed from session [dec]

**Explanation** A source has been removed.

**Recommended Action** No action is required.

## MTM Messages

This section contains the MTM messages.

### MTM-SLOT#-0

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

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

**Recommended Action** No action is required.

**Message** MTM-SLOT#-0-FE\_TIMER\_EXPIRED: FE timer expired for fe [dec]!

**Explanation** Driver has failed to respond to MTM request within MTM\_FE\_TO\_TIMER\_INTERVAL. This is a fatal error.

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

## MTM Messages

### MTM-SLOT#-1

**Message** MTM-SLOT#-1-L2\_USD\_REQ\_FAILED: Failed to send request to the L2 ASIC driver.

**Explanation** Failed to send request to L2 ASIC driver.

**Recommended Action** No action is required.

## MTM Messages

### MTM-SLOT#-2

**Message** MTM-SLOT#-2-FE\_MAC\_TABLE\_LINE\_FULL: Failed to insert static mac as MAC table line is full for FE [dec]!

**Explanation** Static mac insert failed due to line full condition.

**Recommended Action** No action is required.

**Message** MTM-SLOT#-2-HWIDX\_TO\_IF\_FAILED\_SUMMARY: Failed to get interface for hardware index for [dec] entries

**Explanation** Failed to get interface for hardware Index for [dec] entries

**Recommended Action** No action is required.

**Message** MTM-SLOT#-2-IF\_TO\_HWIDX\_FAILED\_SUMMARY: Failed to get hardware index for interface Index for [dec] entries.

**Explanation** Failed to get hardware index for interface Index for [dec] entries.

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

**Message** MTM-SLOT#-2-MULTICAST\_SOURCE\_MAC\_LEARNT: Inserted dynamically learnt multicast source mac [chars] in vlan [dec]!. Issue show hardware mac address-table <mod>

**Explanation** Multicast mac address: [hex] sent as source mac in a packet and was learnt in the Mac Table. Please execute: clear mac address-table dynamic multicast-entries

**Recommended Action** No action is required.

**Message** MTM-SLOT#-2-STATIC\_MATCH: Failed to program static match registers for [chars].

**Explanation** Failed to program the required registers in L2 ASIC for [chars].

**Recommended Action** No action is required.

**Message** MTM-SLOT#-2-STP\_BPDU\_MATCH: Failed to program static match registers for BPDU matching.

**Explanation** Failed to program the required registers in L2 ASIC for BPDU matching. BPDUs will not be received by Spanning tree.

**Recommended Action** No action is required.

**Message** MTM-SLOT#-2-VLAN\_NOT\_FOUND: VLAN [dec] not found in MTM database!

**Explanation** MTM failed to find VLAN [dec] in its database. L2 MAC learning & aging on VLAN [dec] may be affected.

**Recommended Action** No action is required.

## MTM Messages

### MTM-SLOT#-5

**Message** MTM-SLOT#-5-AGEGRP\_ALLOC\_FAILED: Age group allocation for age [dec] failed.

**Explanation** Age group allocation for age [dec] failed. The total number of allocated age group has reached system limits.

**Recommended Action** No action is required.

**Message** MTM-SLOT#-5-ALL0\_LRN\_DISABLE\_FAIL: Failed to program static match register to disable learning all 0 MAC.

**Explanation** Failed to program the required registers in L2 ASIC to disable learning all 0 MAC.

**Recommended Action** No action is required.

## MTM Messages

### MTM-SLOT#-6

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

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

**Recommended Action** No action is required.

**Message** MTM-SLOT#-6-VDC\_CREATED: VDC [dec] created

**Explanation** Request to create VDC [dec] in MTM was successful.

**Recommended Action** No action is required.

**Message** MTM-SLOT#-6-VDC\_REMOVED: VDC [dec] Removed

**Explanation** MTM has successfully removed VDC [dec] from its databases.

**Recommended Action** No action is required.

**Message** MTM-SLOT#-6-VDC\_VLAN\_CREATED: VLAN [dec] created in VDC [dec]

**Explanation** MTM has added VLAN [dec] in VDC [dec].

**Recommended Action** No action is required.

**Message** MTM-SLOT#-6-VDC\_VLAN\_REMOVED: VLAN [dec] removed from VDC [dec]

**Explanation** MTM has successfully removed VLAN [dec] from VDC [dec].

**Recommended Action** No action is required.

## NFM Messages

This section contains the NFM messages.

## NFM-2

**Message** NFM-2-COMMIT\_FAIL: Commit failed: client [hex], [chars]

**Explanation** The DDB commit failed

**Recommended Action** No action is required.

**Message** NFM-2-DDB\_FAILURE: DDB failure: [chars]

**Explanation** A DDB generated failure

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

**Message** NFM-2-INIT\_FAIL: NFM Service Init failed: [chars]

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

**Recommended Action** No action is required.

**Message** NFM-2-MALLOC\_ERROR: Function [chars]: Size [dec] bytes

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

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

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

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

**Recommended Action** No action is required.

**Message** NFM-2-VERIFY\_FAIL: Verify failed - Client [hex], Reason: [chars], Interface: [chars]

**Explanation** The DDB Verify failed

**Recommended Action** No action is required.

## NFM-3

**Message** NFM-3-DDB\_ERROR: DDB error: [chars]

**Explanation** The DDB generated error

**Recommended Action** No action is required.

**Message** NFM-3-FEATURE\_MANAGER\_ERROR: [chars]: An error occurred processing a Feature Manager msg - error [chars]

**Explanation** An error occurred while processing a message from FEATURE Manager

**Recommended Action** No action is required.

**Message** NFM-3-HANDLE\_IN\_USE: [chars]: name: [chars]

**Explanation** The NFM service encountered a handle that was in use while reading a persistent storage database.

**Recommended Action** No action is required.

**Message** NFM-3-INVALID\_HANDLE: [chars]: handle =[hex]

**Explanation** The NFM service encountered an invalid handle in a persistent storage database.

**Recommended Action** No action is required.

**Message** NFM-3-MONITOR\_NOT\_FOUND: Monitor with handle [hex] from source [hex]

**Explanation** An Export Msg from a Linecard contained an invalid Monitor handle

**Recommended Action** No action is required.

**Message** NFM-3-MTS\_ERROR: NFM encountered the following MTS error: [chars]

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

**Recommended Action** No action is required.

**Message** NFM-3-NFM\_CONFIG\_ERROR: [chars]

**Explanation** L2 Netflow config is applied on Port-channel with F1 Line Cards only - error

**Recommended Action** No action is required.

**Message** NFM-3-NFM\_DDB\_ERROR: DDB error: [chars]

**Explanation** The DDB generated error

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

**Message** NFM-3-VLAN\_PARSE\_ERROR: [chars]: An error occurred processing a VLAN Mgr Parse msg [hex]

**Explanation** An error occurred while processing a message from VLAN Manager

**Recommended Action** No action is required.

## NFM-4

**Message** NFM-4-DDB\_WARNING: DDB warning: [chars]

**Explanation** The DDB generated warning

**Recommended Action** No action is required.

**Message** NFM-4-LICENSE\_EXPIRED: The License has expired.

**Explanation** The NFM service requires a License to run and exits when the License expires.

**Recommended Action** No action is required.

**Message** NFM-4-NFM\_DDB\_WARNING: DDB warning: [chars]

**Explanation** The DDB generated warning

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

## NFM-5

**Message** NFM-5-FEATURE\_DISABLED: NetFlow Disabled.

**Explanation** NetFlow Feature Disabled.

**Recommended Action** No action is required.

**Message** NFM-5-FEATURE\_ENABLED: NetFlow Enabled.

**Explanation** NetFlow Feature Enabled.

**Recommended Action** No action is required.

## NFM-6

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

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

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

**Message** NFM-6-DDB\_NOTIF: DDB notification: [chars]

**Explanation** The DDB generated notification

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

**Message** NFM-6-NFM\_DDB\_NOTIF: DDB notification: [chars]

**Explanation** The DDB generated notification

**Recommended Action** No action is required.



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

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

**Recommended Action** No action is required.

**Message** NFM-6-SRV\_EXIT: NFM Service shutting down gracefully

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

**Recommended Action** No action is required.

**Message** NFM-6-SWITCH\_OVER: Switching Over to other Sup.

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

**Recommended Action** No action is required.

## NFM-7

**Message** NFM-7-DEBUG: [chars]

**Explanation** Debug information is being sent to syslog

**Recommended Action** No action is required.

## NFP Messages

This section contains the NFP messages.

### NFP-SLOT#-2

**Message** NFP-SLOT#-2-NF\_ACL\_ERR: [chars] ([dec]): acl error. [chars]

**Explanation** Acl error

**Recommended Action** No DDTS.

**Message** NFP-SLOT#-2-NF\_DDB\_ERR: [chars] ([dec]): ddb error. [chars]

**Explanation** Ddb error

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

**Message** NFP-SLOT#-2-NF\_ERR: [chars] ([dec]): nfp error. [chars]

**Explanation** Nfp error occurred

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

**Message** NFP-SLOT#-2-NF\_FIB\_ERR: [chars] ([dec]): fib error. [chars]

**Explanation** Fib error

**Recommended Action** No DDTS.

**Message** NFP-SLOT#-2-NF\_NDE\_ERR: [chars] ([dec]): nde error. [chars]

**Explanation** Nde error

**Recommended Action** No DDTS.

**Message** NFP-SLOT#-2-NF\_NFM\_ERR: [chars] ([dec]): nfm error. [chars]

**Explanation** Nfm error

**Recommended Action** No DDTS.

**Message** NFP-SLOT#-2-NF\_QOS\_ERR: [chars] ([dec]): qos error. [chars]

**Explanation** Qos error

**Recommended Action** No DDTS.

## NFP-SLOT#-5

**Message** NFP-SLOT#-5-NF\_INFO: [chars]

**Explanation** Info

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

## NPC Messages

This section contains the NPC messages.

## NPC-SLOT#-3

**Message** NPC-SLOT#-3-LOG\_NPC\_ERR: Nonrecoverable error: [chars]

**Explanation** Errors which cause program to exit occurred

**Recommended Action** No action is required.

## NPC-SLOT#-4

**Message** NPC-SLOT#-4-LOG\_NPC\_WARNING: Serious error: [chars]

**Explanation** Serious errors which affect all normal operations occurred

**Recommended Action** No action is required.

## NPC-SLOT#-5

**Message** NPC-SLOT#-5-LOG\_NPC\_DEBUG: Unexpected error: [chars]

**Explanation** Unexpected errors which affect some normal operations occurred

**Recommended Action** No action is required.

**Message** NPC-SLOT#-5-LOG\_NPC\_NVP\_FSM: Illegal event received: [chars]

**Explanation** Illegal event received in NPC\_NVP FSM

**Recommended Action** No action is required.

**Message** NPC-SLOT#-5-LOG\_NPC\_VSAN\_FSM: Illegal event received: [chars]

**Explanation** Illegal event received in NPC\_VSAN FSM

**Recommended Action** No action is required.

## NPV Messages

This section contains the NPV messages.

## NPV-2

**Message** NPV-2-CFS\_PEER\_LOST\_WITHIN\_SESSION: CFS peer with switch wwn [chars] was lost in the middle of an active CFS session. Abort the CFS session and re-enter the configuration changes

**Explanation** Due to port flaps, link outages, switch restart etc. a CFS peer switch of NPV was lost. The current configuration changes would not be applied to this peer until the peer merges with this switch. The CFS merge may fail if the configuration at the lost peer conflicts with the changes made in this session. It is recommended that the user abort this CFS session using `ivr abort` command and then re-enter the configuration changes.

**Recommended Action** No action is required.

**Message** NPV-2-NPV\_DISABLE\_FAILED: NPV could not disabled: [chars] [chars]

**Explanation** NPM could not disabled due to the reason specified. Please try again.

**Recommended Action** No action is required.

**Message** NPV-2-NPV\_ENABLE\_FAILED: NPV could not enabled: [chars] [chars]

**Explanation** NPM could not enabled due to the reason specified. Please try again.

**Recommended Action** No action is required.

**Message** NPV-2-NPV\_EXITED: NPV process exited in file [chars] at Line [chars]: [chars]

**Explanation** NPM process encountered a critical error as specified, and so NPV process cannot continue.

**Recommended Action** No action is required.

## NPV-3

**Message** NPV-3-ACL\_UPDATE\_FAILED: [chars]

**Explanation** ACL update request initiated by the NPV process has failed

**Recommended Action** No action is required.

**Message** NPV-3-CFS\_INVALID\_PAYLOAD\_RECEIVED: NPV received invalid payload from CFS

**Explanation** NPV process received invalid payload from CFS.

**Recommended Action** No action is required.

**Message** NPV-3-CLEAR\_FAILED: [chars]

**Explanation** An error occurred while clearing the lock. The reason for the failure: [chars]

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

**Message** NPV-3-COMMIT\_FAILED: [chars]

**Explanation** An error occurred while committing configuration. The reason for the failure: [chars]

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

**Message** NPV-3-COMMIT\_PARTIALLY\_FAILED: [chars]

**Explanation** An error occurred while committing configuration. Configuration could not be committed on some switches. The reason for the failure: [chars]. Configuration can be inconsistent in the fabric.

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

**Message** NPV-3-COMMIT\_REJECTED: [chars]

**Explanation** Commit request received from remote switch is rejected. The reason for the failure: [chars]

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

**Message** NPV-3-FC2\_SEND\_FAILED: [chars]

**Explanation** NPV process could not send an FC2 message.

**Recommended Action** No action is required.

**Message** NPV-3-F\_RJT\_SENT: [chars]

**Explanation** NPV process sent an F\_RJT frame.

**Recommended Action** No action is required.

**Message** NPV-3-INTERNAL\_ERROR: Internal error: [chars]

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

**Recommended Action** No action is required.

**Message** NPV-3-LCP\_PROGRAMMING\_FAILED: [chars]

**Explanation** LCP programming request initiated by the NPV process has failed

**Recommended Action** No action is required.

**Message** NPV-3-LOCK\_FAILED: [chars]

**Explanation** An error occurred while acquiring the lock. The reason for the failure: [chars]

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

**Message** NPV-3-LS\_RJT\_RCVD: [chars]

**Explanation** NPV process received an LS\_RJT frame.

**Recommended Action** No action is required.

**Message** NPV-3-LS\_RJT\_SENT: [chars]

**Explanation** NPV process sent an LS\_RJT frame.

**Recommended Action** No action is required.

**Message** NPV-3-MALLOC\_FAILED: [chars]

**Explanation** NPV process could not allocate memory

**Recommended Action** No action is required.

**Message** NPV-3-MERGE\_ACTIVATION\_FAILED: [chars]

**Explanation** An error occurred while activating merged configuration. The reason for the failure: [chars]

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

**Message** NPV-3-MERGE\_FAILED: [chars]

**Explanation** An error occurred while merging configuration. The reason for the failure: [chars]

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

**Message** NPV-3-MTS\_SEND\_FAILED: [chars]

**Explanation** NPV process could not send an MTS message.

**Recommended Action** No action is required.

**Message** NPV-3-NPIV\_DISABLE\_FAILED: [chars]

**Explanation** NPIV feature could not be disabled.

**Recommended Action** No action is required.

**Message** NPV-3-NPV\_CFS\_IPV4\_ENABLE\_FAILED: CFS IPv4 distribution enable failed because [chars]

**Explanation** NPV CFS distribution might not work. Try enabling it again on the command line. Make sure cfs distribution is enabled.

**Recommended Action** No action is required.

**Message** NPV-3-PORT\_BRINGUP\_FAILED: [chars]

**Explanation** NPV process has failed to bringup the port

**Recommended Action** No action is required.

**Message** NPV-3-PORT\_REINIT\_FAILED: [chars]

**Explanation** Port re-initiate request initiated by the NPV process has failed

**Recommended Action** No action is required.

**Message** NPV-3-UNLOCK\_FAILED: [chars]

**Explanation** An error occurred while releasing the lock. The reason for the failure: [chars]

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

## NPV-4

**Message** NPV-4-NPV\_NPIV\_NOT\_ENABLED\_ON\_UPSTREAM\_SWITCH: [chars]

**Explanation** This syslog is printed when the external interface fails to come up due to NPIV feature not enabled on the upstream switch.

**Recommended Action** Verify and enable NPIV feature in upstream switch.

**Message** NPV-4-NPV\_PORT\_VSAN\_MISMATCH\_ON\_UPSTREAM\_LINK: [chars]

**Explanation** This syslog is printed when the external interface fails to come up due to upstream port VSAN mis-match with the upstream switch.

**Recommended Action** Make sure port VSAN is same on both sides of this external link

## NPV-5

**Message** NPV-5-ASSERTION\_FAILED: Unexpected assertion failure in File [chars] at Line [dec]

**Explanation** An assertion failed in NPV code

**Recommended Action** No action is required.

**Message** NPV-5-FLEXATTACH\_VPWWN\_AUTO\_ASSIGNED: A virtual port WWN [chars] has been automatically assigned to interface [chars]

**Explanation** The virtual port WWN will be used as port WWN for devices logging in on this interface.

**Recommended Action** No action is required.

**Message** NPV-5-FLEXATTACH\_VPWWN\_MANUALLY\_ASSIGNED: A virtual port WWN [chars] has been manually assigned to interface [chars]

**Explanation** The virtual port WWN will be used as port WWN for devices logging in on this interface.

**Recommended Action** No action is required.

**Message** NPV-5-FLEXATTACH\_VPWWN\_UNASSIGNED: The virtual port WWN has been unassigned from interface [chars]

**Explanation** The physical port WWN will be used as port WWN for devices logging in on this interface.

**Recommended Action** No action is required.

**Message** NPV-5-FRAME\_DISCARDED: [chars]

**Explanation** NPV process discarded an FC2 frame.

**Recommended Action** No action is required.



**Message** NPV-5-NPV\_LOAD\_BALANCE\_REINIT: Server ports reinitialized: [chars]

**Explanation** Server ports are reinitialized to balance the loads on the external interfaces.

**Recommended Action** No action is required.

**Message** NPV-5-UNEXPECTED\_EVENT: [chars]

**Explanation** NPV process has received an unexpected event in the current state.

**Recommended Action** No action is required.

## NPV-6

**Message** NPV-6-ABTS\_SENT: [chars]

**Explanation** NPV process sent an ABTS frame.

**Recommended Action** No action is required.

**Message** NPV-6-ELS\_CMD\_SENT\_TO\_CORE: [chars]

**Explanation** NPV process sent an ELS frame to the core switch.

**Recommended Action** No action is required.

**Message** NPV-6-ELS\_CMD\_SENT\_TO\_SRV: [chars]

**Explanation** NPV process sent an ELS frame to the server.

**Recommended Action** No action is required.

**Message** NPV-6-EXT\_IF\_SELECTED: [chars]

**Explanation** NPV process has selected an external interface to forward either all frames received on a server interface or frames received from a specific port WWN.

**Recommended Action** No action is required.

**Message** NPV-6-FABRIC\_PROXY\_LOGO\_SENT: [chars]

**Explanation** NPV process sent a LOGO frame to the device as the corresponding external interface went down.

**Recommended Action** No action is required.

**Message** NPV-6-FDISC\_RCVD: [chars]

**Explanation** NPV process received an FDISC frame.

**Recommended Action** No action is required.

**Message** NPV-6-FDISC\_SENT: [chars]

**Explanation** NPV process sent an FDISC frame to the core switch.

**Recommended Action** No action is required.

**Message** NPV-6-FLOGI\_RCVD: [chars]

**Explanation** NPV process received an FLOGI frame.

**Recommended Action** No action is required.

**Message** NPV-6-INTERNAL\_FLOGI\_SENT: [chars]

**Explanation** NPV process sent an internal FLOGI frame to the core switch on an external interface.

**Recommended Action** No action is required.

**Message** NPV-6-LOGO\_RCVD: [chars]

**Explanation** NPV process received a LOGO frame.

**Recommended Action** No action is required.

**Message** NPV-6-LOGO\_SENT: [chars]

**Explanation** NPV process sent a LOGO frame.

**Recommended Action** No action is required.

**Message** NPV-6-LS\_ACC\_RCVD: [chars]

**Explanation** NPV process received an LS\_ACC frame.

**Recommended Action** No action is required.

**Message** NPV-6-LS\_ACC\_SENT: [chars]

**Explanation** NPV process sent an LS\_ACC frame.

**Recommended Action** No action is required.

**Message** NPV-6-MTS\_NOTIF\_RCVD: [chars]

**Explanation** NPV process received an MTS notification.

**Recommended Action** No action is required.

**Message** NPV-6-MTS\_NOTIF\_SENT: [chars]

**Explanation** NPV process sent an MTS notification.

**Recommended Action** No action is required.

**Message** NPV-6-MTS\_REQ\_RCVD: [chars]

**Explanation** NPV process received an MTS request.

**Recommended Action** No action is required.

**Message** NPV-6-MTS\_REQ\_SENT: [chars]

**Explanation** NPV process sent an MTS request.

**Recommended Action** No action is required.

**Message** NPV-6-MTS\_RESP\_RCVD: [chars]

**Explanation** NPV process received an MTS response.

**Recommended Action** No action is required.

**Message** NPV-6-MTS\_RESP\_SENT: [chars]

**Explanation** NPV process sent an MTS response.

**Recommended Action** No action is required.

**Message** NPV-6-NPIV\_DISABLED: [chars]

**Explanation** NPIV feature has been disabled.

**Recommended Action** No action is required.

**Message** NPV-6-NPIV\_ENABLED: [chars]

**Explanation** NPIV feature has been enabled.

**Recommended Action** No action is required.

**Message** NPV-6-NPV\_ENABLE\_DISABLE\_IN\_PROGRESS: [chars]

**Explanation** NPV feature enable/disable is in progress. This syslog is printed at the beginning of various significant phases.

**Recommended Action** No action is required.

**Message** NPV-6-NPV\_LOAD\_BALANCE\_TIMER\_START: (Re)starting automatic load balancing timer for [dec] seconds

**Explanation** Timer started for upon external interface up or server interface down. When the timer goes off some of the server interfaces may be reinitialized to evenly distribute the server interfaces amongst the eligible external interfaces.

**Recommended Action** No action is required.

**Message** NPV-6-SERVER\_PROXY\_LOGO\_SENT: [chars]

**Explanation** NPV process sent a LOGO frame to the core switch as the server interface went down.

**Recommended Action** No action is required.

## NPV-7

**Message** NPV-7-CFS\_REQ\_RCVD: [chars]

**Explanation** CFS request is received. The WWN of the switch originated this request and the RR-token of the request are provided in the syslog message.

**Recommended Action** No action is required.

**Message** NPV-7-CFS\_RESP\_SENT: [chars]

**Explanation** CFS response is sent. The re-token of the corresponding request and the status are provided in the syslog message

**Recommended Action** No action is required.

## NTP Messages

This section contains the NTP messages.

## NTP-2

**Message** NTP-2-NTP\_SYSLOG\_CRIT\_ERR: [chars]

**Explanation** NTP syslog Critical Error: [chars].

**Recommended Action** No action is required.

**Message** NTP-2-NTP\_SYSLOG\_INIT\_FAIL: [chars] [chars]

**Explanation** NTP Initialization Failed: [chars] [chars].

**Recommended Action** No action is required.

**Message** NTP-2-NTP\_SYSLOG\_NO\_RESP\_FROM\_LC: from LC [dec] for [chars]

**Explanation** NTP did not receive response from the linecard for the request sent.

**Recommended Action** No action is required.

## NTP-3

**Message** NTP-3-NTP\_SYSLOG\_ALLOC\_FAIL:: [chars]

**Explanation** NTP syslog allocation failed: [chars].

**Recommended Action** No action is required.

**Message** NTP-3-NTP\_SYSLOG\_ERR\_EXT:: [chars] [chars]

**Explanation** NTP syslog Error Exit: [chars] [dec].

**Recommended Action** No action is required.

**Message** NTP-3-NTP\_SYSLOG\_ERR: [chars]

**Explanation** NTP syslog Error: [chars].

**Recommended Action** No action is required.

**Message** NTP-3-NTP\_SYSLOG\_MTS\_ERR: [chars]

**Explanation** NTP MTS Error: [chars].

**Recommended Action** No action is required.

## NTP-6

**Message** NTP-6-NTP\_SYSLOG\_CREATED:: [chars]; Slot No: [dec]

**Explanation** NTP syslog created: [chars] [chars].

**Recommended Action** No action is required.

**Message** NTP-6-NTP\_SYSLOG\_EXIT: [chars]

**Explanation** NTP syslog Exit: [chars].

**Recommended Action** No action is required.

**Message** NTP-6-NTP\_SYSLOG\_LOGGING: [chars]

**Explanation** NTP logging: [chars].

**Recommended Action** No action is required.

**Message** NTP-6-NTP\_SYSLOG\_WARN: [chars]

**Explanation** NTP syslog Warning: [chars].

**Recommended Action** No action is required.

## NVP Messages

This section contains the NVP messages.

### NVP-6

**Message** NVP-6-NVP\_INFO: [chars]

**Explanation** NVP daemon informational message

**Recommended Action** No action is required.

**Message** NVP-6-STARTING: daemon started

**Explanation** The NVP daemon successfully started

**Recommended Action** No action is required.

## NVP-SLOT#-2

**Message** NVP-SLOT#-2-CPP\_CATASTROPHIC\_ERROR: ERROR: Component ([chars]) caused critical error please reboot SSM

**Explanation** Component caused critical error

**Recommended Action** Restart the linecard

## OBFL Messages

This section contains the OBFL messages.

### OBFL-3

**Message** OBFL-3-ERROR: [chars]

**Explanation** Obfl\_encountered an error

**Recommended Action** No action is required.

## OC\_USD Messages

This section contains the OC\_USD messages.

### OC\_USD-2

**Message** OC\_LOG\_CRIT\_RF\_CRC: Octopus received packets with CRC error from module %d or from xbar %s

**Explanation** Octopus received packets with CRC error from fabric or from module

**Recommended Action** Use another optical cable and transceivers. If the problem still persists, change the peer ports, such as the remote port to another or the local port to another. Run the commands ‘diagnostic start module <mod> test all’ and ‘show diagnostic result module <mod> test all detail’. The result will display the information about the failures in HW, if any.

## ONEP Messages

This section contains the ONEP messages.

## ONEP-2

**Message** ONEP-2-GET\_BUFFER: Onepsync ISSU client failed to get buffer for message.  
Error: [dec] ([chars])

**Explanation** The Onepsync ISSU client failed to get buffer space for building a negotiation message. A negotiation message cannot be sent to the standby device. If a problem occurs with the ISSU session negotiation, the standby device cannot be brought up properly.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (show logging and show checkpoint client)

**Message** ONEP-2-INIT: Onepsync ISSU client initialization failed to [chars].  
Error: [dec] ([chars])

**Explanation** The Onepsync ISSU client could not be initialized. This initialization failure must be addressed before in-service software upgrade or downgrade can be performed successfully. If you do not address this failure, there will be downtime during software upgrade or downgrade.

**Recommended Action** LOG\_STD\_ACTION

**Message** ONEP-2-NE\_PSS\_32\_ERR: ONEP [chars] configuration mismatch: Network Element([dec]) / PSS([dec])

**Explanation** The Network Element and Persistent Storage for the running-config are out of sync. If no other error has occurred, the Network Element configuration will take precedence.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (Try reconfiguring the item, possibly using the [no] form to restore a default value if a new one doesn't take. The 'show running-config' command should be used to see if this error persists.

**Message** ONEP-2-NE\_PSS\_STRING\_ERR: ONEP [chars] configuration mismatch: Network Element([chars]) / PSS([chars])

**Explanation** The Network Element and Persistent Storage for the running-config are out of sync. If no other error has occurred, the Network Element configuration will take precedence.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (Try reconfiguring the item, possibly using the [no] form to restore a default value if a new one doesn't take. The 'show running-config' command should be used to see if this error persists.

**Message** ONEP-2-SEND\_NEGO\_FAILED: Onepsync ISSU client failed to send negotiation message. Error: [dec] ([chars])

**Explanation** The Onepsync ISSU client failed to send a session negotiation message to the peer device. If a problem occurs with the ISSU session negotiation, the standby device cannot be brought up properly.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (show logging and show checkpoint client)



**Message** ONEP-2-SESSION\_NEGO\_FAIL\_START: Failed to start Onepsync ISSU session negotiation. Error: [dec] ([chars])

**Explanation** The Onepsync ISSU client failed to start session negotiation. If a problem occurs with the ISSU session start, the standby device cannot be brought up properly.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (show issue session <client\_id>

**Message** ONEP-2-SESSION\_REGISTRY: Onepsync ISSU client failed to register session information. Error: [dec] ([chars])

**Explanation** The Onepsync ISSU client failed to register session information. If a problem occurs with the ISSU session registration, the standby device cannot be brought up properly.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (show issu capability entries <client\_id>

## ONEP-3

**Message** ONEP-3-AUTHEN\_ERR: [[chars]]: Authentication/authorization failed. [chars]

**Explanation** The session authentication has failed

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (Check users credentials are matched against the AAA/ local users configured on the Network Element.)'

**Message** ONEP-3-BUSY\_ERR: [[chars]]: The requested resource is currently busy. [chars].

**Explanation** The usage of the resource has exceeded the configured threshold value

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (Check the current resource usage and configured resource threshold. cpu threshold rising <value>

**Message** ONEP-3-DISABLED\_ERR: [[chars]]: [chars] is disabled.

**Explanation** The requested service set is in disabled state. All the service requests for that service set will be rejected.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (Make sure the service set is enabled. connect edness service set <name>

**Message** ONEP-3-DUPLICATE\_ERR: [[chars]]: Requested entity [chars] already exists.

**Explanation** The connection request to the network element already exists

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (Make sure the uniqueness of the application name. One session per application is allowed on a network element.)

**Message** ONEP-3-INVALID\_SESSION: Onepsync ISSU client does not have a valid registered session.

**Explanation** The Onepsync ISSU client does not have a valid registered session.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (show issue capability entries <client\_id>)

**Message** ONEP-3-LISP\_DISABLED\_ERR: [[chars]]: [chars] is disabled.

**Explanation** The requested service set is in disabled state. All the service requests for that service set will be rejected.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (Make sure the service set is enabled. connected apps service set lisp)

**Message** ONEP-3-MSG\_NOT\_OK: Onepsync ISSU client Message Type [dec] is not compatible

**Explanation** The Onepsync ISSU client received an incompatible message from the peer device. The message cannot be processed.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (show issu message group <client\_id>)

**Message** ONEP-3-MSG\_SIZE: Onepsync ISSU client failed to get the MTU for Message Type [dec]. Error: [dec] ([chars])

**Explanation** The Onepsync ISSU client failed to calculate the MTU for the specified message. The Onepsync ISSU client is not able to send the message to the standby device.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (show issu message group <client\_id>)

**Message** ONEP-3-SESSION\_UNREGISTRY: Onepsync ISSU client failed to unregister session information. Error: [dec] ([chars])

**Explanation** The Onepsync ISSU client failed to unregister session information.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (show issu session <client\_id>)

**Message** ONEP-3-VERSION\_ERR: [[chars]]: ONE-P version incompatible between client and network element. [chars]

**Explanation** The ONE-P client service set version is incompatible with the one installed on the network element

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (Make sure the version running on the client side is compatible with the one installed on the network element)

## ONEP-4

**Message** ONEP-4-ONEP\_DISABLED: ONEP feature is administratively disabled, terminated [[dec]] connected application(s)

**Explanation** Administrator has disabled ONEP feature while application sessions were active. All active sessions have been terminated. To enable ONEP again use 'feature onep' command in configuration mode.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (No action is required if this was deliberate operation. To enable ONEP again use 'feature onep' command in configuration mode.)

## ONEP-6

**Message** ONEP-6-HISTORY: [chars]

**Explanation** This syslog message is used to display one PK history messages when the history syslog' one p command is enabled.

**Recommended Action** LOG\_STD\_SH\_CMD\_ACTION (No action is required. Use no history syslog at the onep configuration prompt to turn off this logging if desired).

## ORI\_FWD Messages

This section contains the ORI\_FWD messages.

### ORI\_FWD-2

**Message** ORI\_FWD-2-CRIT\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

### ORI\_FWD-6

**Message** ORI\_FWD-6-ORF\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## ORI\_MAC Messages

This section contains the ORI\_MAC messages.

## ORI\_MAC-2

**Message** ORI\_MAC-2-ORI\_MAC\_CRIT\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## ORI\_MAC-6

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

**Explanation** Debug log message

**Recommended Action** No action is required.

## ORI\_XBAR\_USD Messages

This section contains the ORI\_XBAR\_USD messages.

### ORI\_XBAR\_USD-2

**Message** ORI\_XBAR\_USD-2-CRIT\_MSG: [chars]

**Explanation** Critical log message

**Recommended Action** No action is required.

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

**Explanation** FR CRC Message

**Recommended Action** No action is required.

**Message** ORI\_XBAR\_USD-2-SYNC\_ERR: [chars]

**Explanation** Sync loss error

**Recommended Action** No action is required.

## ORI\_XBAR\_USD-4

**Message** ORI\_XBAR\_USD-4-WARNING\_MSG: [chars]

**Explanation** Warning log message

**Recommended Action** No action is required.

## ORI\_XBAR\_USD-6

**Message** ORI\_XBAR\_USD-6-DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## OTM Messages

This section contains the OTM messages.

### OTM-2

**Message** OTM-2-OTM\_EEM\_FAIL: OTM failed to register with EEM

**Explanation** OTM process failed to register with eem, exiting now

**Recommended Action** No action is required.

### OTM-3

**Message** OTM-3-OTM\_ERROR: [chars] [chars]

**Explanation** [chars1][chars2]

**Recommended Action** No action is required.

### OTM-5

**Message** OTM-5-OTM\_OBJECT\_STATUS: Status of tracking object [dec] changed to [chars]

**Explanation** Status of tracking object [dec] changed to [chars]

**Recommended Action** No action is required.

**Message** OTM-5-OTM\_OBJ\_ADD:: Tracking object [dec] configured, status of the object [chars]

**Explanation** Tracking Object [dec] configured, status of the object [chars]

**Recommended Action** No action is required.

## OTM-6

**Message** OTM-6-OTM\_EXITED: OTM process exited

**Explanation** OTM process is terminated

**Recommended Action** No action is required.

**Message** OTM-6-OTM\_OBJ\_REM:: Tracking object [dec] removed

**Explanation** Tracking Object [dec] removed

**Recommended Action** No action is required.

**Message** OTM-6-OTM\_STARTED: OTM process started

**Explanation** OTM process is up and running

**Recommended Action** No action is required.

**Message** OTM-6-OTM\_TRACK\_START: Client started tracking object [dec]

**Explanation** Client has started tracking object [dec]

**Recommended Action** No action is required.

**Message** OTM-6-OTM\_TRACK\_STOP: Client stopped tracking object [dec]

**Explanation** Client has stopped tracking object [dec]

**Recommended Action** No action is required.

**Recommended Action**

## PHY\_USD Messages

This section contains the PHY\_USD messages.

## PHY\_USD-SLOT#-4

**Message** PHY\_USD-SLOT#-4-LOG\_PHY\_ISSU\_LINK\_ST\_CHNG: Port [dec]: link state during ISSU

**Explanation** Port Link status changed while performing an In Service System Upgrade. Disabling the port.

**Recommended Action** No action is required.

## PIXM Messages

This section contains the PIXM messages.

### PIXM-2

**Message** PIXM-2-PIXM\_SYSLOG\_MESSAGE\_TYPE\_CRIT: [chars]

**Explanation** PIXM has encountered a critical error

**Recommended Action** Please collect PIXM tech support using show tech pixm' and 'show tech pixmc-all'

### PIXM-3

**Message** PIXM-3-PIXM\_SYSLOG\_MESSAGE\_TYPE\_ERR: [chars]

**Explanation** PIXM has encountered a error

**Recommended Action** Please collect PIXM tech support using show tech pixm' and 'show tech pixmc-all'

### PIXM-4

**Message** PIXM-4-PIXM\_SYSLOG\_MESSAGE\_TYPE\_WARNING: [chars]

**Explanation** PIXM has encountered a warning-level error

**Recommended Action** Please collect PIXM tech support using show tech pixm' and 'show tech pixmc-all'

## PIXM-7

**Message** PIXM-7-PIXM\_SYSLOG\_MESSAGE\_TYPE\_DEBUG: [chars]

**Explanation** This is a debug output from PIXM

**Recommended Action** Please collect PIXM tech support using 'show tech pixm' and 'show tech pixmc-all'

## PLATFORM Messages

This section contains the PLATFORM messages.

### PLATFORM-0

**Message** PLATFORM-0-CHASSIS\_CLKSWITCH: Hardware clock switched to redundant clock- [dec]

**Explanation** Clock module on chassis detected a failure and switched to redundant clock module.

**Recommended Action** Please perform a 'show platform internal info' to collect more information.

**Message** PLATFORM-0-CHASSIS\_CLKSWRESET: Switch reset due to clock switch

**Explanation** Chassis clock source has failed and system will be reset. System will automatically start using redundant clock module.

**Recommended Action** Please refer to the platform document on clock modules.

**Message** PLATFORM-0-CHASSIS\_CLKSW\_MODULE\_RESET: Modules reset due to clock switch

**Explanation** Chassis clock source has switched and all Vegas line cards will be reset. System will automatically continue using redundant clock module.

**Recommended Action** Please refer to the platform document on clock modules.

**Message** PLATFORM-0-FAIL\_REMOVED: Fan module removed. Fan[dec] has been absent for [dec] seconds

**Explanation** Fan module is removed. This could lead to temperature alarms.

**Recommended Action** Replace the fan module ASAP.



**Message** PLATFORM-0-MOD\_TEMPMAJALRM: [chars] reported Major temperature alarm. Sensor=[dec] Temperature=[dec] MajThreshold=[dec]

**Explanation** Module in slot [decimal digit] exceeded major temperature threshold.

**Recommended Action** Please perform a 'show environment temperature' to collect more information.

**Message** PLATFORM-0-MOD\_TEMPSHUTDOWN: [chars] powered down due to major temperature alarm for Sensor [dec].

**Explanation** Module in slot [decimal digit] shutdown due to temperature exceeding major threshold.

**Recommended Action** Please perform a 'show environment temperature' to collect more information.

**Message** PLATFORM-0-MOD\_TEMPWARMALRM: [chars] reported Warm temperature alarm. Sensor=[dec] Temperature=[dec] WarmThreshold=[dec]

**Explanation** Module in slot [decimal digit] exceeded warm temperature threshold.

**Recommended Action** Please perform a 'show environment temperature' to collect more information.'

**Message** PLATFORM-0-PFM\_EMERGENCY: [chars]

**Explanation** Platform Emergency

**Recommended Action** No action is required.

**Message** PLATFORM-0-SUP\_SPROM\_ERROR: Unable to read SPROM for Sup in slot [dec]

**Explanation** The supervisor in slot [decimal digit] was not able to read its SPROM.

**Recommended Action** No action is required.

**Message** PLATFORM-0-SUP\_WRONGSLOTNUM: Supervisor powered up in WRONG SLOT:[dec] (Serial number [chars])

**Explanation** The supervisor is coming up in wrong slot [decimal digit].

**Recommended Action** No action is required.

**Message** PLATFORM-0-SYS\_LC\_DRIVER\_LOAD\_FAILED: Failed to load linecard module drivers

**Explanation** Failed to load drivers.

**Recommended Action** Image is possibly corrupt. Try to load a different image.

**Message** PLATFORM-0-SYS\_RESET: [chars] System shutdown in [dec] seconds

**Explanation** System shutdown in [decimal digit] seconds.

**Recommended Action** Please perform a 'show environment temperature' to collect more information.

**Message** PLATFORM-0-SYS\_SHUTDOWN\_FAN\_REMOVAL: System shutdown in [dec] seconds due to fan removal

**Explanation** System shutdown in [decimal digit] seconds due to removal of fan module.

**Recommended Action** Please perform a 'show environment fan' to collect more information.

**Message** PLATFORM-0-SYS\_SHUTDOWN\_MDS9124\_FAN\_FAIL: System shutdown in [dec] seconds due to less than 4 fans operating.

**Explanation** System shutdown in [decimal digit] seconds due to less than 4 fans operating.

**Recommended Action** Please perform a 'show environment fan' to collect more information.

**Message** PLATFORM-0-SYS\_SHUTDOWN: System shutdown in [dec] seconds due to major temperature alarm

**Explanation** System shutdown in [decimal digit] seconds due to temperature exceeding major threshold.

**Recommended Action** Please perform a 'show environment temperature' to collect more information.

**Message** PLATFORM-0-SYS\_SUP\_DRIVER\_LOAD\_FAILED: Failed to load supervisor module drivers

**Explanation** Failed to load drivers.

**Recommended Action** Image is possibly corrupt. Try to load a different image

**Message** PLATFORM-0-XBAR\_CARD\_CLK\_FAIL: Xbar card in slot:[dec] (Serial number [chars]) encountered clock failure

**Explanation** The xbar in slot [decimal digit] encountered clock failure.

**Recommended Action** No action is required.

**Message** PLATFORM-0-XBAR\_CARD\_INCOMPAT\_CHASSIS: Xbar card in slot:[dec] (Part number [chars]) Incompatible with backplane chassis Part Num:[chars]

**Explanation** The xbar in slot [decimal digit] is incompatible with backplane chassis.

**Recommended Action** No action is required.

**Message** PLATFORM-0-XBAR\_WRONGSLOTNUM: Xbar powered up in WRONG SLOT:[dec] (Serial number [chars])

**Explanation** The xbar in slot [decimal digit] powered up in wrong slot.

**Recommended Action** No action is required.

## PLATFORM-1

**Message** PLATFORM-1-FABRIC\_SWITCH\_FAN\_FAIL: Less than 4 required fans operating.

**Explanation** Fan module has failed leaving less than 4 total fans operating. Fan needs to be replaced. This can lead to overheating and temperature alarms.

**Recommended Action** Please perform a 'show platform internal info' to collect more information.'

**Message** PLATFORM-1-FAN\_FAIL: Fan module Failed

**Explanation** Fan module has failed and needs to be replaced. This can lead to overheating and temperature alarms.

**Recommended Action** Please perform a 'show plat form internal info' to collect more information.'

**Message** PLATFORM-1-PFM\_ALERT: [chars]

**Explanation** Platform Alert

**Recommended Action** No action is required.

**Message** PLATFORM-1-PS\_SINGLE\_INPUT: Both power inputs are connected for Power supplies, remove single-input configuration for optimal power usage

**Explanation** Current power supply redundancy mode may not be optimal

**Recommended Action** Please perform a 'show environment power' and 'show platform internal info' to collect more information.'

**Message** PLATFORM-1-XBAR\_PWRDENY: Xbar [dec] can not be powered up due to insufficient power (Serial number [chars])

**Explanation** Available power in power supplies is not sufficient to power up the xbar

**Recommended Action** You can verify available power and current usage using command 'show environment power'. Please Refer To Power Supply Document On How To Increase Power Supply Capacity.

## PLATFORM-2

**Message** PLATFORM-2-9134\_FAN\_FAIL: Fan module [dec] Failed

**Explanation** Fan module has failed and needs to be replaced. This can lead to overheating and temperature alarms.

**Recommended Action** Please perform a 'show platform internal info' to collect more information.

**Message** PLATFORM-2-9134\_FAN\_OK: Fan module [dec] ok

**Explanation** Fan module is ok.

**Recommended Action** No action is required.

**Message** PLATFORM-2-CASA\_FAN\_FAIL: Fan module [dec] Failed

**Explanation** Fan module has failed and needs to be replaced. This can lead to overheating and temperature alarms.

**Recommended Action** Please perform a 'show platform internal info' to collect more information.

**Message** PLATFORM-2-CASA\_FAN\_OK: Fan module [dec] ok

**Explanation** Fan module is ok.

**Recommended Action** No action is required.

**Message** PLATFORM-2-CHASSIS\_CLKMODFAULTY: Chassis clock module [dec] faulty

**Explanation** Clock module on chassis is faulty or has been removed.

**Recommended Action** Please perform a 'show platform internal info' to collect more information.

**Message** PLATFORM-2-CHASSIS\_CLKMODOK: Chassis clock module [dec] ok

**Explanation** Clock module on chassis is functioning properly.

**Recommended Action** No action is required.

**Message** PLATFORM-2-CHASSIS\_CLKSRC: Current chassis clock source is clock-[dec]

**Explanation** The current chassis clock source is [decimal digit].

**Recommended Action** No action is required.

**Message** PLATFORM-2-FANLET\_FAN\_FAIL: Failed Fanlets for Fan [dec] ([chars] fan): [chars]

**Explanation** The specified fanlets have failed. This can lead to overheating and temperature alarms.

**Recommended Action** Please perform a to collect more information 'show platform internal info' to collect more information.

**Message** PLATFORM-2-FANMOD\_FAN\_FAIL: Fan module [dec] ([chars] fan) Failed/Removed

**Explanation** Fan module has failed and needs to be replaced. This can lead to overheating and temperature alarms.

**Recommended Action** Please perform a 'show platform internal info' to collect more information.'

**Message** PLATFORM-2-FANMOD\_FAN\_OK: Fan module [dec] ([chars] fan) ok

**Explanation** Fan module is ok

**Recommended Action** No action is required.

**Message** PLATFORM-2-FAN\_FAIL\_: Fan [dec] Failed

**Explanation** Fan module has failed and needs to be replaced. This can lead to overheating and temperature alarms.

**Recommended Action** Please perform a 'show platform internal info' to collect more information.'

**Message** PLATFORM-2-FAN\_OK\_: Fan [dec] ok

**Explanation** Fan is ok

**Recommended Action** No action is required.

**Message** PLATFORM-2-FAN\_OK: Fan module ok

**Explanation** Fan module is ok

**Recommended Action** No action is required.

**Message** PLATFORM-2-FAN\_REMOVED: Fan module [dec] (Serial number [chars]) [chars] removed

**Explanation** Fan module is removed

**Recommended Action** No action is required.

**Message** PLATFORM-2-FAN\_REMOVED\_: Fan module [dec] [chars] removed

**Explanation** Fan module is removed

**Recommended Action** No action is required.

**Message** PLATFORM-2-INSUFFICIENT\_MAC: program management port on all the non-default VDCs

**Explanation** Could not program the mac address for the management port of all the VDCs

**Recommended Action** No action is required.

**Message** PLATFORM-2-MEMORY\_ALERT\_RECOVERED: Memory Status Alert: [chars]

**Explanation** Memory alert event received

**Recommended Action** None

**Message** PLATFORM-2-MEMORY\_ALERT: Memory Status Alert: [chars]. Usage [chars]% of Available Memory

**Explanation** Memory alert event received

**Recommended Action** None

**Message** PLATFORM-2-MOD\_ALL\_PWRDN\_NOXBAR: All modules powered down due to non-availability of xbar modules

**Explanation** All modules in switch are powered down because all xbar modules are offline

**Recommended Action** Please perform a 'show module', 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' to collect more information if you suspect module has been powered down due to errors. At least one Xbar module has to be for modules to function'

**Message** PLATFORM-2-MOD\_DETECT: Module [dec] detected (Serial number [chars]) Module-Type [chars] Model [chars]

**Explanation** A new module in slot [decimal digit] is detected.

**Recommended Action** No action is required.

**Message** PLATFORM-2-MOD\_PWRDENY: Module [dec] can not be powered up due to insufficient power (Serial number [chars])

**Explanation** Available power in power supplies is not sufficient to power up the module

**Recommended Action** You can verify available power and current usage using command 'show environment power'. Please refer to power supply document on how to increase power supply capacity.

**Message** PLATFORM-2-MOD\_PWRDN: Module [dec] powered down (Serial number [chars])

**Explanation** The module in slot [decimal digit] is powered down.

**Recommended Action** Please perform a 'show module', 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' to collect more information if you suspect module has been powered down due to errors'

**Message** PLATFORM-2-MOD\_PWRFAIL\_EJECTORS\_OPEN: All ejectors open, Module [dec] will not be powered up (Serial number [chars])

**Explanation** The module can not be powered up because all the ejectors are open

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sptom xbar [dec] [dec]' to read module IDPROM contents to collect more information

**Message** PLATFORM-2-MOD\_PWRFAIL: Module [dec] failed to power up (Serial number [chars])

**Explanation** The module in slot [decimal digit] failed to power up

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and to collect more information.

**Message** PLATFORM-2-MOD\_PWRIDPROMFAIL: Module [dec] failed to power up due to IDPROM read error

**Explanation** The module can not be powered up due to IDPROM read error

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sptom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

**Message** PLATFORM-2-MOD\_PWRIDPROM\_SW\_CARD\_ID\_UNKNOWN: Module [dec] failed to power up. (Unknown card. Could not get software-card-id)

**Explanation** The module can not be powered up due to missing SWID in core-plugin for this CARDID

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

**Message** PLATFORM-2-MOD\_PWRUP\_XBAR: Modules powered up due to xbar availability

**Explanation** Modules powered up because at least one xbar module is online

**Recommended Action** No action needed

**Message** PLATFORM-2-MOD\_PWRUP: Module [dec] powered up (Serial number [chars])

**Explanation** The module in slot [decimal digit] is powered up.

**Recommended Action** No action is required.

**Message** PLATFORM-2-MOD\_REMOVE: Module [dec] removed (Serial number [chars])

**Explanation** The module in slot [decimal digit] has been removed.

**Recommended Action** No action is required.

**Message** PLATFORM-2-MOD\_TEMPMAJOR2WARM: [chars] recovered from minor temperature alarm. Warm alarm pending. Sensor=[dec] Temperature=[dec] MajTheshold=[dec] WarmThreshold=[dec]

**Explanation** Module in slot [decimal digit] warm temperature threshold.

**Recommended Action** Please perform a 'show environment temperature' to collect more information.'

**Message** PLATFORM-2-MOD\_TEMPMAJOR\_OK: [chars] recovered from major temperature alarm. Sensor=[dec] Temperature=[dec] MajThreshold=[dec]

**Explanation** Module in slot [decimal digit] major temperature threshold.

**Recommended Action** Please perform a 'show environment temperature' to collect more information.

**Message** PLATFORM-2-MOD\_TEMPMINALRM: [chars] reported minor temperature alarm. Sensor=[dec] Temperature=[dec] MinThreshold=[dec]

**Explanation** Module in slot [decimal digit] has exceeded minor temperature threshold.

**Recommended Action** Please perform a 'show environment temperature' to collect more information.



**Message** PLATFORM-2-MOD\_TEMPMINOR2WARM: [chars] recovered from minor temperature alarm. Warm alarm pending. Sensor=[dec] Temperature=[dec] MinTheshold=[dec] WarmThreshold=[dec]

**Explanation** Module in slot [decimal digit] warm temperature threshold.

**Recommended Action** Please perform a 'show environment temperature' to collect more information.

**Message** PLATFORM-2-MOD\_TEMPPOK: [chars] recovered from minor temperature alarm. Sensor=[dec] Temperature=[dec] MinThreshold=[dec]

**Explanation** Module in slot [decimal digit] minor temperature threshold.

**Recommended Action** Please perform a show environment temperature' to collect more information.

**Message** PLATFORM-2-MOD\_TEMPRECOVER: [chars] recovered from major temperature alarm. Minor temperature alarm pending. Sensor=[dec] Temperature=[dec] MajThreshold=[dec] MinThresh=[dec]

**Explanation** Module in slot [decimal digit] recovered from major temperature threshold. Minor threshold still exceeded.

**Recommended Action** Please perform a 'show environment temperature' to collect more information.

**Message** PLATFORM-2-MOD\_TEMPWARM\_OK: [chars] recovered from warm temperature alarm. Sensor=[dec] Temperature=[dec] WarmThreshold=[dec]

**Explanation** Module in slot [decimal digit] warm temperature threshold.

**Recommended Action** Please perform a 'show environment temperature' to collect more information

**Message** PLATFORM-2-PFM\_CRITICAL: [chars]

**Explanation** Platform Critical

**Recommended Action** No action is required.

**Message** PLATFORM-2-PFM\_FATW\_BUS\_SWITCH\_FAIL: Backplane two wire [chars] bus connection fault detected but failed to perform bus switchover (BUS\_A to BUS\_B)

**Explanation** Could not access some modules using BUS\_A, but can access using BUS\_B

**Recommended Action** Please perform a 'show platform internal err'

**Message** PLATFORM-2-PFM\_FATW\_BUS\_SWITCH: Backplane two wire [chars] bus connection or device fault caused bus switchover (BUS\_A to BUS\_B)

**Explanation** Could not access some modules using BUS\_A, but can access using BUS\_B

**Recommended Action** Please perform a 'show platform internal err'

**Message** PLATFORM-2-PFM\_IMG\_CMPT\_FAIL: Image version is not supported in this chassis.

**Explanation** This image version is not supported in this chassis.

**Recommended Action** Sup-platform

**Message** PLATFORM-2-PFM\_LC\_BOOT\_DEV\_ABSENT: No bootflash found in Module [dec]

**Explanation** No bootflash found.

**Recommended Action** Try to put in a bootflash in the module and try again.

**Message** PLATFORM-2-PFM\_LC\_BOOT\_DEV\_FAIL: Bootflash access error in Module [dec]

**Explanation** Bad bootflash/corrupted filesystem.

**Recommended Action** Try to put in a known good bootflash in the module and try again.

**Message** PLATFORM-2-PFM\_LC\_MOD\_POWERED\_DOWN: Module [dec] Powered Down. Module is not supported in this chassis. (Chassis Incompatible card)

**Explanation** Module Powered Down, because Module is not supported in this chassis. (Chassis Incompatible card)

**Recommended Action** Please perform a 'show module' to see the Power Down reason.'

**Message** PLATFORM-2-PFM\_LC\_NETBOOT\_FAIL: Netboot for Module [dec] failed

**Explanation** Netboot failed.

**Recommended Action** Try to replace the BIOS in the module.

**Message** PLATFORM-2-PFM\_LC\_REGISTRATION\_FAIL: Could not register with Module [dec]

**Explanation** Module registration failed.

**Recommended Action** Try to replace the module.

**Message** PLATFORM-2-PFM\_LC\_STATUS: Module [dec] powered up with [dec] status

**Explanation** Status for the module that failed registration.

**Recommended Action** Try to replace the module.

**Message** PLATFORM-2-PFM\_LOW\_MEMORY\_CONDITION: Module [dec] is running low on memory. %ld percent used

**Explanation** Supervisor is running low on memory

**Recommended Action** Switchover

**Message** PLATFORM-2-PFM\_MODULE\_POWER\_OFF\_TRIGGER: Power-off [chars] due to [chars] policy trigger

**Explanation** Policy trigger initiated a module power off

**Recommended Action** None

**Message** PLATFORM-2-PFM\_MODULE\_POWER\_OFF: Manual power-off of [chars] from Command Line Interface

**Explanation** User initiated a module power-off from the CLI

**Recommended Action** None

**Message** PLATFORM-2-PFM\_MODULE\_POWER\_ON: Manual power-on of [chars] from Command Line Interface

**Explanation** User initiated a module power-on from the CLI

**Recommended Action** None

**Message** PLATFORM-2-PFM\_MODULE\_RESET: Manual restart of Module [dec] from Command Line Interface

**Explanation** User initiated a module reload from the CLI

**Recommended Action** None

**Message** PLATFORM-2-PFM\_NETBOOT\_DISABLE: Netboot for supervisor module in slot [dec] is disabled due to incompatible platform

**Explanation** Standby supervisor failed to power up.

**Recommended Action** Try to replace the standby supervisor.

**Message** PLATFORM-2-PFM\_PREP\_DEEP\_SLEEP: Supervisor module in slot [dec] preparing to enter deep sleep mode

**Explanation** Deep sleep mode initiated by the Connectivity Management Processor (CMP) for this supervisor

**Recommended Action** No action is required.

**Message** PLATFORM-2-PFM\_PWR\_MGMT\_EPLD\_VER\_MISMATCH: Module [dec] Pwr Mgmt Epld (Version-[dec]) needs to be upgraded

**Explanation** Using a wrong version of Epld version can result in unexplainable behaviour

**Recommended Action** Upgrade Power Management EPLD

**Message** PLATFORM-2-PFM\_STDBY\_POWERUP\_FAIL: standby supervisor failed to powerup

**Explanation** Standby supervisor failed to power up.

**Recommended Action** Try to replace the standby supervisor.

**Message** PLATFORM-2-PFM\_SYSTEM\_RESET\_TRIGGER: System restart due to [chars] policy trigger

**Explanation** Policy/trigger initiated a system reload

**Recommended Action** None

**Message** PLATFORM-2-PFM\_SYSTEM\_RESET: Manual system restart from Command Line Interface

**Explanation** User initiated a system reload from the CLI

**Recommended Action** None

**Message** PLATFORM-2-PFM\_SYSTEM\_SHUTDOWN\_TRIGGER: System shutdown due to [chars] policy trigger

**Explanation** Policy/trigger initiated a system shutdown

**Recommended Action** None

**Message** PLATFORM-2-PFM\_XBAR\_RESET: Manual restart of Xbar [dec] from Command Line Interface

**Explanation** User initiated a xbar reload from the CLI

**Recommended Action** None

**Message** PLATFORM-2-PLUGIN\_ABSENT: Module in slot [dec] (sw\_card\_id=[dec]) has missing plugin

**Explanation** Plugin not loaded, The LC cannot be powered up

**Recommended Action** Load the associated plugin

**Message** PLATFORM-2-PS\_ABSENT: Power supply [dec] is absent/shutdown, PS-redundancy might be affected

**Explanation** Power Supply is absent.

**Recommended Action** No action is required.

**Message** PLATFORM-2-PS\_ALI\_ONE\_POWERSUPPLY\_WORK\_AROUND: only one Power supply is functional; connect at least two Power supply

**Explanation** Only one power supply is functional. The Cisco MDS 9250i Switch requires at least two power supplies.

**Recommended Action** Please perform a 'show environment power' and 'show platform internal info' to collect more information.'

**Message** PLATFORM-2-PS\_ALI\_ONE\_POWERSUPPLY: Only one Power supply is functional; Switch will be shutting down in [dec] mins

**Explanation** Only one power supply is functional. The Cisco MDS 9250i Switch requires at least two power supplies.

**Recommended Action** Please perform a 'show environment power' and 'show platform internal info' to collect more information.'

**Message** PLATFORM-2-PS\_ALI\_TWO\_POWERSUPPLY: Only two Power supply are functional, please connect third Power Supply for redundancy

**Explanation** Only two Power supply are functional, please connect third Power supply for redundancy

**Recommended Action** Please perform a 'show environment power' and 'show platform internal info' to collect more information.'

**Message** PLATFORM-2-PS\_CAPACITY\_CHANGE: Power supply PS [dec] changed its capacity, possibly due to power cable removal/insertion (Serial number [chars])

**Explanation** Detected power supply capacity change.

**Recommended Action** Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc. Please perform 'show environment power' and 'show platform internal info' to collect more information.'

**Message** PLATFORM-2-PS\_CAPACITY\_DIFFER: Detected power supplies with differing capacity. It is recommended to have same capacity for both power supplies otherwise it may cause service disruptions

**Explanation** Detected a power supply that has differing capacity than an the other power supply.

**Recommended Action** Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc. Please perform 'show environment power' and 'show platform internal info' to collect more information.

**Message** PLATFORM-2-PS\_DETECT: Power supply [dec] detected but shutdown (Serial number [chars])

**Explanation** Power Supply is detected but shutdown.

**Recommended Action** Please perform a 'show environment power' and 'show platform internal info' to collect more information.

**Message** PLATFORM-2-PS\_FAIL: Power supply [dec] failed or shut down (Serial number [chars])

**Explanation** Power Supply has failed or has been shutdown

**Recommended Action** Please perform a 'show environment power' and 'show platform internal info' to collect more information. Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc.

**Message** PLATFORM-2-PS\_FANFAIL: Fan in Power supply [dec] failed

**Explanation** Fan module in the Power Supply has failed

**Recommended Action** Please perform a 'show environment power' and 'show platform internal info' to collect more information.

**Message** PLATFORM-2-PS\_FANOK: Fan in Power supply [dec] OK

**Explanation** Fan module in the Power Supply is OK.

**Recommended Action** No action is required.

**Message** PLATFORM-2-PS\_MISMATCH: Detected power supply [chars]. This reduces the redundant power available to the system and can cause service disruptions (Serial number [chars])

**Explanation** Detected a new power supply that has reduced capacity than an existing power supply.

**Recommended Action** Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc. Please perform 'show environment power' and 'show platform internal info' to collect more information.

**Message** PLATFORM-2-PS\_OK: Power supply [dec] OK (Serial number [chars])

**Explanation** Power Supply is OK.

**Recommended Action** No action is required.

**Message** PLATFORM-2-PS\_PWR\_INPUT\_MISSING: Power supply [dec] present but all AC/DC inputs are not connected, power redundancy might be affected

**Explanation** Power Supply is present but not at full capacity.

**Recommended Action** No action is required.

**Message** PLATFORM-2-PS\_RED\_MODE\_CHG: Power supply redundancy mode changed to [chars]

**Explanation** Power supply redundancy mode changed notification

**Recommended Action** Please perform a 'show environment power' and 'show platform internal info' to collect more information.

**Message** PLATFORM-2-PS\_RED\_MODE\_RESTORED: Power redundancy operational mode changed to configured mode

**Explanation** Power Supply redundancy mode changes.

**Recommended Action** No action is required.

**Message** PLATFORM-2-PS\_REMOVE\_LAST: Unexpected removal of last power supply [dec]. (Serial number [chars])

**Explanation** Unexpected removal the only power supply in the system.

**Recommended Action** Power supply unit may be faulty. Contact CISCO to replace the unit.

**Message** PLATFORM-2-PS\_REMOVE: Power supply [dec] removed (Serial number [chars])

**Explanation** Power Supply is removed.

**Recommended Action** No action is required.

**Message** PLATFORM-2-PS\_UNKNOWN: Detected an unknown power supply [dec] for CISCO Multilayer Switch (Serial number [chars])

**Explanation** Unable to determine power supply type. Default power supply types will be assumed.

**Recommended Action** Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc.

**Message** PLATFORM-2-PS\_UNSUPPORTED: Detected an unsupported power supply [dec] [chars] for CISCO Multilayer Switch (Serial number [chars])

**Explanation** This power supply is not supported for the CISCO Multilayer Switches.

**Recommended Action** Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc.

**Message** PLATFORM-2-SYS\_IDPROMBAD\_RECOVER\_FAIL: Chassis IDPROM [dec] data re-initialization UN-successful. Data is invalid

**Explanation** Chassis IDPROM [decimal digit] re-initialization was unsuccessful. Data is invalid.

**Recommended Action** Please perform a 'shows prom module [decimal digit]1' to read module IDPROM contents and collect more information.

**Message** PLATFORM-2-SYS\_IDPROMBAD\_RECOVER\_PASS: Chassis IDPROM [dec] data re-initialized successfully

**Explanation** Chassis IDPROM [decimal digit] invalid data was successfully re-initialized to valid.

**Recommended Action** Please perform a 'shows prom module [decimal digit]1' to read module IDPROM contents and collect more information.

**Message** PLATFORM-2-SYS\_IDPROMBAD: Chassis IDPROM [dec] data invalid

**Explanation** Chassis IDPROM [decimal digit] contains invalid data.

**Recommended Action** Please perform a 'shows prom module [decimal digit]1' to read module IDPROM contents and collect more information.

**Message** PLATFORM-2-XBAR\_DETECT: Xbar [dec] detected (Serial number [chars])

**Explanation** A new xbar in slot [decimal digit] is detected.

**Recommended Action** No action is required.

**Message** PLATFORM-2-XBAR\_PWRFAIL\_EJECTORS\_OPEN: All ejectors open, Xbar [dec] will not be powered up (Serial number [chars])

**Explanation** The xbar can not be powered up because all the ejectors are open

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.



**Message** PLATFORM-2-XBAR\_REMOVE: Xbar [dec] removed (Serial number [chars])

**Explanation** The xbar in slot [decimal digit] has been removed.

**Recommended Action** No action is required.

## PLATFORM-3

**Message** PLATFORM-3-EJECTOR\_STAT\_CHANGED: Ejectors status in slot[dec] has changed, [chars] Ejector is [chars], [chars] Ejectors [chars]'

**Explanation** Ejector status has changed

**Recommended Action** None

**Message** PLATFORM-3-MOD\_BRINGUP\_MULTI\_LIMIT: Giving up after multiple attempts were made to bring up the Module [dec], (Serial number [chars])

**Explanation** The module can not be powered up even after three attempts

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

**Message** PLATFORM-3-MOD\_PWRFAIL\_MULTI: Module [dec] failed to power up multiple times (Serial number [chars])

**Explanation** The module can not be powered up even after three attempts

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

**Message** PLATFORM-3-PFM\_ERROR: [chars]

**Explanation** Platform Error

**Recommended Action** No action is required.

**Message** PLATFORM-3-SINGLE\_EJECTOR\_STAT\_CHANGED: Ejectors status in slot [dec] has changed, Ejectors [chars]'

**Explanation** Ejector status has changed

**Recommended Action** None

**Message** PLATFORM-3-XBAR\_BRINGUP\_MULTI\_LIMIT: Giving up after multiple attempts were made to bring up the Xbar [dec], (Serial number [chars])

**Explanation** The module can not be powered up even after three attempts

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

**Message** PLATFORM-3-XBAR\_PWRFAIL\_MULTI: Xbar [dec] failed to power up multiple times (Serial number [chars])

**Explanation** The xbar can not be powered up even after three attempts

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

**Message** PLATFORM-3-XBAR\_PWRFAIL: Xbar [dec] failed to power up (Serial number [chars])

**Explanation** The xbar in slot [decimal digit] failed to power up

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and to collect more information.

**Message** PLATFORM-3-XBAR\_PWRIDPROMFAIL: Xbar [dec] failed to power up due to IDPROM read error

**Explanation** The xbar can not be powered up due to IDPROM read error

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

**Message** PLATFORM-3-XBAR\_PWRIDPROM\_SW\_CARD\_ID\_UNKNOWN: Xbar [dec] failed to power up. (Unknown card. Could not get software-card-id)

**Explanation** The xbar can not be powered up due to missing SWID in core-plugin for this CARDID

**Recommended Action** Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

## PLATFORM-4

**Message** PLATFORM-4-MOD\_TEMPACCESSFAIL: [chars] temperature sensor [dec] access failed

**Explanation** Module in slot [decimal digit] unable to access temperature sensor.

**Recommended Action** Please perform a 'show environment temperature' to collect more information.

**Message** PLATFORM-4-MOD\_TEMPFAIL: [chars] temperature sensor [dec] failed

**Explanation** Module in slot [decimal digit] contains a faulty temperature sensor.

**Recommended Action** Please perform a 'show environment temperature' to collect more information.

**Message** PLATFORM-4-PFM\_FAN\_FLTR\_STATUS: Fan Filter status: [chars]

**Explanation** Fan Filter status: Present/Absent

**Recommended Action** Please perform a 'show platform internal info.'

**Message** PLATFORM-4-PFM\_PS\_RED\_MODE\_CHG: Power redundancy mode changed to [chars]

**Explanation** Power redundancy mode changed

**Recommended Action** Please perform a 'show platform internal info.'

**Message** PLATFORM-4-PFM\_WARNING: [chars]

**Explanation** Platform Warning

**Recommended Action** No action is required.

## PLATFORM-5

**Message** PLATFORM-5-FAN\_DETECT: Fan module [dec] (Serial number [chars]) [chars] detected

**Explanation** Fan module is detected

**Recommended Action** No action is required.

**Message** PLATFORM-5-FAN\_DETECT\_: Fan module [dec] [chars] detected

**Explanation** Fan module is detected

**Recommended Action** No action is required.

**Message** PLATFORM-5-FAN\_STATUS: Fan module [dec] (Serial number [chars]) [chars] current-status is [chars]

**Explanation** Fan module changed status

**Recommended Action** No action is required.

**Message** PLATFORM-5-FAN\_STATUS\_: Fan module [dec] [chars] current-status is [chars]

**Explanation** Fan module changed status

**Recommended Action** No action is required.

**Message** PLATFORM-5-FEX\_FAN\_DETECT: Fex [dec] Fan Module [dec] detected

**Explanation** FEX Fan module is detected

**Recommended Action** No action is required.

**Message** PLATFORM-5-FEX\_FAN\_REMOVE: Fex [dec] Fan Module [dec] removed

**Explanation** FEX Fan module is removed

**Recommended Action** No action is required.

**Message** PLATFORM-5-FEX\_PS\_FOUND: Fex [dec] Power Supply [dec] found (Serial number [chars])

**Explanation** FEX power supply is found

**Recommended Action** No action is required.

**Message** PLATFORM-5-FEX\_PS\_REMOVE: Fex [dec] Power Supply [dec] removed (Serial number [chars])

**Explanation** FEX power supply is removed

**Recommended Action** No action is required.

**Message** PLATFORM-5-MOD\_STATUS: [chars] current-status is [chars]

**Explanation** Module in slot [decimal digit] changed status.

**Recommended Action** No action is required.

**Message** PLATFORM-5-PFM\_NOTICE: [chars]

**Explanation** Platform Notice

**Recommended Action** No action is required.

**Message** PLATFORM-5-PS\_FOUND: Power supply [dec] found (Serial number [chars])

**Explanation** Power Supply is detected.

**Recommended Action** No action is required.

**Message** PLATFORM-5-PS\_STATUS: Power Supply [dec] current-status is [chars] [chars]

**Explanation** Module in slot [decimal digit] changed status.

**Recommended Action** No action is required.

**Message** PLATFORM-5-XBAR\_PWRDN: Xbar [dec] powered down (Serial number [chars])

**Explanation** The xbar in slot [decimal digit] is powered down.

**Recommended Action** Please perform a 'show module xbar', 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' to collect more information if you suspect module has been powered down due to errors.'

**Message** PLATFORM-5-XBAR\_PWRUP: Xbar [dec] powered up (Serial number [chars])

**Explanation** The xbar in slot [decimal digit] is powered up.

**Recommended Action** No action is required.

## PLATFORM-6

**Message** PLATFORM-6-PFM\_INFO: [chars]

**Explanation** Platform Info

**Recommended Action** No action is required.

## PLATFORM-7

**Message** PLATFORM-7-PFM\_CLOCK\_UPD\_FAIL: Clock update failed due to context-switch delay of [dec] msec

**Explanation** System shutdown in [decimal digit] seconds.

**Recommended Action** Please perform a 'show environment temperature' to collect more information.

## PLOG\_SUP Messages

This section contains the PLOG\_SUP messages.

### PLOG\_SUP-4

**Message** PLOG\_SUP-4-PLOG\_SUP\_EXIT: Persistent Logger encountered an error [dec].

**Explanation** Persistent Logger encountered an error

**Recommended Action** No action is required.

## PLOG Messages

This section contains the PLOG messages.

### PLOG-4

**Message** PLOG-4-PLOG\_LC\_EXIT: Persistent Logger encountered an error [dec]

**Explanation** Persistent Logger encountered an error

**Recommended Action** No action is required.

## PLSM Messages

This section contains the PLSM messages.

### PLSM-3

**Message** PLSM-3-EDP\_ERR: Interface [chars] in Error Disabled Policy (EDP) state  
Check: show interface status error policy [detail]

**Explanation** Error Disabled Policy State for a interface.

**Recommended Action** None

## PLSM-6

**Message** PLSM-6-SEQ\_INFO: EDP State Cleared for interface [chars] vlans [chars]

**Explanation** EDP State cleared for a interface.

**Recommended Action** None

## PLTFM\_CONFIG Messages

This section contains the PLTFM\_CONFIG messages.

### PLTFM\_CONFIG-3

**Message** PLTFM\_CONFIG-3-PC\_ACL\_LOU\_COMMIT\_RESPONSE\_FAIL\_LOG: LOU threshold commit failed.

**Explanation** LOU threshold response to commit failed.

**Recommended Action** No action is required.

**Message** PLTFM\_CONFIG-3-PC\_ACL\_LOU\_COMMIT\_TIMEOUT\_LOG: LOU threshold commit timed out.

**Explanation** LOU threshold response to commit timed out.

**Recommended Action** No action is required.

**Message** PLTFM\_CONFIG-3-PC\_ACL\_LOU\_VERIFY\_RESPONSE\_FAIL\_LOG: LOU threshold verification failed, active acls are using more LOUs than requested threshold, aborting operation.

**Explanation** LOU threshold response to verify failed, so sending abort msg to all LC aclqos.

**Recommended Action** No action is required.

**Message** PLTFM\_CONFIG-3-PC\_ACL\_LOU\_VERIFY\_TIMEOUT\_LOG: LOU threshold verification timed out, aborting operation.

**Explanation** LOU threshold response to verify timed out, so sending abort msg to all LC aclqos.

**Recommended Action** No action is required.

## PLTFM\_CONFIG-4

**Message** PLTFM\_CONFIG-4-PC\_RBH\_MODULO\_CONFIG\_PROXY\_VDC: Some VDCs are in proxy mode and RBH modulo may not work properly for those VDCs

**Explanation** Port-channel load-balancing works properly for non proxy VDCs only.

**Recommended Action** No action is required.

**Message** PLTFM\_CONFIG-4-PC\_VDC\_CONFIG\_RBH\_MODULO: This VDC (vdc\_id: [dec]) is a proxy VDC and the RBH modulo may not work properly for this VDC.

**Explanation** Port-channel load-balancing works properly for non proxy VDCs only.

**Recommended Action** No action is required.

**Message** PLTFM\_CONFIG-4-XL\_LICENSE\_MIX\_NOTIFY: Mixed use of non-XL with XL modules in the same VDC may limit common resources to non-XL capacity.

**Explanation** This is a reminder that mixing non-XL and XL modules in the same VDC may limit XL modules to the capacity of non-XL modules.

**Recommended Action** No action is required.

## PLUGIN Messages

This section contains the PLUGIN messages.

### PLUGIN-2

**Message** PLUGIN-2-LOAD\_REQUEST\_FAILED\_ON\_STANDBY: Load request failed on standby. rc ([hex])

**Explanation** Load request failed on standby

**Recommended Action** No action is required.

**Message** PLUGIN-2-NOTIFY\_MSG\_FAILURE: Plugin notify message ([chars]) returned failure (rc [hex])

**Explanation** Plugin notify message returned failure.

**Recommended Action** No action is required.



**Message** PLUGIN-2-NO\_MEMORY: Memory allocation failed (size [dec])

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

**Recommended Action** No action is required.

**Message** PLUGIN-2-PLUGIN\_EXTRACT\_FAILED\_ON\_STANDBY: Plugin extraction failed on standby. rc ([hex])

**Explanation** Plugin extraction failed on standby

**Recommended Action** No action is required.

**Message** PLUGIN-2-PLUGIN\_LOAD\_INTERNAL\_ERROR: Plugin has internal error during load operation. Reason: [chars]

**Explanation** Plugin has internal error

**Recommended Action** No action is required.

**Message** PLUGIN-2-PLUGIN\_UNLOAD\_INTERNAL\_ERROR: Plugin has internal error during unload operation. Reason: [chars]

**Explanation** Plugin has internal error

**Recommended Action** No action is required.

**Message** PLUGIN-2-SEND\_NOTIFY\_MSG\_FAILED: Failed to send plugin notify message ([chars]). Reason: [chars]

**Explanation** Failed to send plugin notify message

**Recommended Action** No action is required.

**Message** PLUGIN-2-UNEXPECTED\_LOAD\_SYNC: Received unexpected plugin load sync. Current plugin request ([dec])

**Explanation** Standby received load sync and current standby does not have an outstanding load request

**Recommended Action** No action is required.

**Message** PLUGIN-2-UNEXPECTED\_UNLOAD\_SYNC: Received unexpected plugin unload sync. Current plugin request ([dec])

**Explanation** Standby received unload sync and current standby does not have an outstanding unload request

**Recommended Action** No action is required.

**Message** PLUGIN-2-UNLOAD\_REQUEST\_FAILED\_ON\_STANDBY: Unload request failed on standby. rc ([hex])

**Explanation** Unload request failed on standby

**Recommended Action** No action is required.

**Message** PLUGIN-2-UPDATE\_SYS\_INFO\_FAILED: Failed to update system information ([chars])

**Explanation** Failed to update system information

**Recommended Action** No action is required.

## PLUGIN-3

**Message** PLUGIN-3-MSG\_SEND\_FAILURE: failed to send [chars] to sap [dec]/[dec]: [chars]

**Explanation** Failed to send a message

**Recommended Action** No action is required.

## PMON Messages

This section contains the PMON messages.

### PMON-2

**Message** PMON-2-PGMON\_RISING\_THRESHOLD: [chars].

**Explanation** Port Group Rising Threshold Crossed

**Recommended Action** No action is required.

**Message** PMON-2-PMON\_CRIT\_INFO: Port Monitor Critical Information: [chars].

**Explanation** Port Monitor Critical Information

**Recommended Action** No action is required.

**Message** PMON-2-PMON\_INIT\_FAIL: Port Monitor: [chars].

**Explanation** Initialization failed, need to exit.

**Recommended Action** No action is required.

**Message** PMON-2-PMON\_MTS\_FAIL: Port Monitor MTS Error: [chars].

**Explanation** Theres mts error.'

**Recommended Action** No action is required.

**Message** PMON-2-PMON\_PORTGUARD\_ACTION: [chars].

**Explanation** Port Guard config Applied

**Recommended Action** No action is required.

## PMON-3

**Message** PMON-3-PMON\_ERR\_INFO: Port Monitor Error: [chars].

**Explanation** Port Monitor error

**Recommended Action** No action is required.

## PMON-5

**Message** PMON-5-PGMON\_FALLING\_THRESHOLD: [chars].

**Explanation** Port Group Falling Threshold Crossed

**Recommended Action** No action is required.

## PMON-6

**Message** PMON-6-PMON\_LOG\_INFO: Port Monitor Log Information: [chars].

**Explanation** Port Monitor Log Information

**Recommended Action** No action is required.

## PMON-SLOT-[num]-3-RISING\_THRESHOLD\_REACHED

**Message** PMON-SLOT[num]-3-RISING\_THRESHOLD\_REACHED: [port-monitor counter] has reached the rising threshold (port=fc[num] [num], value=[num]).

**Explanation** [port-monitor counter] rising threshold value was reached.

**Recommended Action** No action is required.

## PMON-SLOT-[num]-3-FALLING\_THRESHOLD\_REACHED

**Message** PMON-SLOT[num]-3-FALLING\_THRESHOLD\_REACHED: [port-monitor counter] has reached the falling threshold (port=[num] [num], value=[num]).

**Explanation** [port-monitor counter] falling threshold value was reached.

**Recommended Action** No action is required.

## POAP Messages

This section contains the POAP messages.

### POAP-2

**Message** POAP-2-POAP\_DHCP\_DISCOVER\_RECVD\_NAK: Received DHCP NAK

**Explanation** Received DHCP NAK

**Recommended Action** No action is required.

**Message** POAP-2-POAP\_DHCP\_DISCOVER\_START: POAP DHCP Discover phase started

**Explanation** POAP DHCP Discover phase started

**Recommended Action** No action is required.

**Message** POAP-2-POAP\_FAILURE: [chars]

**Explanation** POAP failure

**Recommended Action** No action is required.

**Message** POAP-2-POAP\_INFO: [chars]

**Explanation** POAP Info

**Recommended Action** No action is required.

**Message** POAP-2-POAP\_INITED: POAP process initialized

**Explanation** POAP process initialized

**Recommended Action** No action is required.

**Message** POAP-2-POAP\_SCRIPT\_DOWNLOADED: Successfully downloaded POAP script file

**Explanation** Successfully downloaded POAP script file

**Recommended Action** No action is required.

**Message** POAP-2-POAP\_SCRIPT\_EXEC\_SUCCESS: POAP script execution success

**Explanation** POAP script execution success

**Recommended Action** No action is required.

**Message** POAP-2-POAP\_SCRIPT\_STARTED\_MD5\_NOT\_VALIDATED: POAP script execution started(MD5 not validated)

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

**Recommended Action** No action is required.

**Message** POAP-2-POAP\_SCRIPT\_STARTED\_MD5\_VALIDATED: POAP script execution started(MD5 validated)

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

**Recommended Action** No action is required.

**Message** POAP-2-POAP\_SCRIPT\_STARTED\_MD5\_VALIDATION\_FAIL: POAP boot file validation failed

**Explanation** POAP boot file validation failed.

**Recommended Action** No action is required.

## POAP-5

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

**Explanation** POAP Service Disabled

**Recommended Action** No action is required.

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

**Explanation** POAP Service enabled

**Recommended Action** No action is required.

## PONG Messages

This section contains the PONG messages.

### PONG-5

**Message** PONG-5-PONG\_DISABLED: Ping Manager disabled

**Explanation** Pong Service Enabled

**Recommended Action** No action is required.

**Message** PONG-5-PONG\_ENABLED: Pong Manager enabled

**Explanation** Pong Service Enabled

**Recommended Action** No action is required.

**Message** PONG-5-PONG\_INJECTED: Pong packet injected

**Explanation** Pong packet injected

**Recommended Action** No action is required.

## PORT-CHANNEL Messages

This section contains the PORT-CHANNEL messages.

### PORT-CHANNEL-1

**Message** PORT-CHANNEL-1-LC\_CFG\_FAILURE: configuring module [dec] failed [[chars]]

**Explanation** Module configuration failed

**Recommended Action** Module will be automatically reset

**Message** PORT-CHANNEL-1-MALLOC\_FAILED: cannot allocate memory (size [dec])

**Explanation** No enough memory

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-1-MAP\_PARAM\_FAILURE: mapping parameter failed for [chars] [[chars]]

**Explanation** Parameter mapping failed

**Recommended Action** Specified service is misbehaving; check its status

**Message** PORT-CHANNEL-1-MCAST\_SEND\_FAILURE: failed to send multicast [chars]: [chars]

**Explanation** Failed to send a multicast message to all modules, usually because some module went down

**Recommended Action** Run show port-channel consistency to check consistency

## PORT-CHANNEL-2

**Message** PORT-CHANNEL-2-AUTO\_CREATE\_DISABLED: [chars] has been deprecated; [chars] [chars]

**Explanation** Auto create port-channel is deprecated and disabled

**Recommended Action** Convert the auto created channel to persistent by doing port-channel <n

**Message** PORT-CHANNEL-2-RESET\_MODULE: reset module [dec] for not responding or returning error

**Explanation** A module is reset for not responding or returning error

**Recommended Action** No action is required.

## PORT-CHANNEL-3

**Message** PORT-CHANNEL-3-COMPAT\_CHECK\_FAILURE: [chars] is not compatible

**Explanation** Compatibility check failed when adding ports to port-channel

**Recommended Action** Make sure the compatibility parameters are consistent while adding ports to port-channel, or use force option

**Message** PORT-CHANNEL-3-GENERAL\_ERROR: [chars]

**Explanation** General error

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-3-LC\_CFG\_TIMEOUT\_ENTRY\_PORT\_ERR\_DISABLE: Failed to send LC config due to timeout, Port [chars] Err disabled

**Explanation** Failed to send a lc\_config message

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-3-LC\_CFG\_UCAST\_FAILED\_PORT\_ERR\_DISABLE: Failed to send LC config unicast msg, PORT [chars] Err disabled

**Explanation** Failed to send a lc\_config unicast message

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-3-LC\_CFG\_UCAST\_SEND\_FAILURE: Failed to send LC config Unicast msg to slot [dec] node [hex] sap [dec]: [chars]. Resetting LineCard

**Explanation** Failed to send a lc\_config unicast message

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-3-MSG\_SEND\_FAILURE: failed to send [chars] to sap [dec]: [chars]

**Explanation** Failed to send a message

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-3-PORT\_CHANNEL\_NOT\_FOUND: [chars] is not found

**Explanation** Cannot find port-channel in its database, which indicates an inconsistency with an external component

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-3-TIMEOUT: timed out after [dec] seconds [type [chars], state [chars]]

**Explanation** Some operation timed out

**Recommended Action** Run show port-channel consistency to check all module connectivity and consistency



## PORT-CHANNEL-4

**Message** PORT-CHANNEL-4-PORT\_CFG\_DELETED: [chars] removed from [chars]

**Explanation** Port is removed from a port-channel because different module was inserted or module config purged

**Recommended Action** You lost some ports from port-channel, check if you want to add ports in the new module to the same port-channel.

**Message** PORT-CHANNEL-4-PORT\_INDIVIDUAL: port [chars] is operationally individual

**Explanation** The port is operating as an individual link even though it is locally or remotely configured to be part of a port channel

**Recommended Action** Check the configuration of the port locally and remotely to ensure that it can operate as part of a port channel

**Message** PORT-CHANNEL-4-PORT\_NOT\_FOUND: port [chars] is not part of port-channel

**Explanation** Cannot find the port in port-channel database, which indicates an inconsistency with an external component

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-4-RACE\_WARN: [chars]

**Explanation** Warning of possible race condition

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-4-UNEXPECTED\_RESPONSE: unexpected response [chars] from [chars]

**Explanation** Received an unexpected response and discarded

**Recommended Action** No action is required.

## PORT-CHANNEL-5

**Message** PORT-CHANNEL-5-AUTO\_CREATE\_FAILURE: [chars] [chars]

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

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-5-CREATED: [chars] created

**Explanation** A port-channel is created

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-5-DELETED: [chars] deleted

**Explanation** A port-channel is deleted

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-5-FOP\_CHANGED: [chars]: first operational port changed from [chars] to [chars]

**Explanation** The first operational port in a port-channel is changed

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-5-MAX\_CHANNEL\_DISALLOWED: Module failed to come online because port channel interface <port-channel number

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

**Recommended Action** Delete the set of port channel interface <port-channel interface

**Message** PORT-CHANNEL-5-PORT\_ADDED: [chars] added to [chars]

**Explanation** Ports are added to a port-channel

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-5-PORT\_DOWN: [chars]: [chars] is down

**Explanation** Port goes down in a port-channel

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-5-PORT\_REMOVED: [chars] removed from [chars]

**Explanation** Ports are removed from a port-channel

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-5-PORT\_UP: [chars]: [chars] is up

**Explanation** Port comes up in a port-channel

**Recommended Action** No action is required.

## PORT-CHANNEL-6

**Message** PORT-CHANNEL-6-RESYNC: resyncing [chars] with all modules

**Explanation** Resync modules with sup after an error or switchover

**Recommended Action** No action is required.

## PORT-CHANNEL-7

**Message** PORT-CHANNEL-7-GSYNC\_DONE: global synchronization is done

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

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-7-GSYNC\_REQ: requesting global synchronization

**Explanation** Port-channel manager requested a global synchronization from active sup

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-7-START\_ACTIVE: started in active mode

**Explanation** Port-channel manager started in active mode

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-7-START\_DEFAULT: started with default configuration

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

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-7-START\_STANDBY: started in standby mode

**Explanation** Port-channel manager started in standby mode

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-7-START\_STATEFUL: started statefully

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

**Recommended Action** No action is required.

**Message** PORT-CHANNEL-7-START\_STATELESS: started statelessly

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

**Recommended Action** No action is required.

## PORT-PROFILE Messages

This section contains the PORT-PROFILE messages.

### PORT-PROFILE-2

**Message** PORT-PROFILE-2-IF\_REFRESH\_FAILED: Interface Database Refresh failed for [chars]

**Explanation** Interface Database Refresh failed

**Recommended Action** No action is required.

### PORT-PROFILE-3

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

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

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

**Message** PORT-PROFILE-3-CREATE\_IF\_FAILED: Running-config collection Failed for intf range [chars]

**Explanation** Running-config collection failed for: [chars]

**Recommended Action** No action is required.

**Message** PORT-PROFILE-3-IF\_APPLY\_FAILED: Config Apply Failed

**Explanation** Config Apply Failed

**Recommended Action** No action is required.

**Message** PORT-PROFILE-3-INTERFACE\_NO\_SHUTDOWN\_FAILED: Interface no shutdown failed for [chars] after profile re-inherit

**Explanation** Interface could not be shutdown after profile re-inherit

**Recommended Action** No action is required.

**Message** PORT-PROFILE-3-INTERFACE\_SHUTDOWN\_FAILED: Interface shutdown failed for [chars] after failure to apply commands

**Explanation** Interface could not be shutdown after failure to apply commands

**Recommended Action** No action is required.

**Message** PORT-PROFILE-3-PROFILE\_CREATE\_FAILED: Port-profile [chars] creation failed with error "[chars]"

**Explanation** Port-profile:[chars] creation failed with [:chars]

**Recommended Action** No action is required.

**Message** PORT-PROFILE-3-PROFILE\_DEINHERIT\_FAILED: Port-profile [chars] de-inherit failed with error [chars] on [chars]

**Explanation** Port-profile:[chars] de-inherit failed with [:chars] on [:chars]

**Recommended Action** No action is required.

**Message** PORT-PROFILE-3-PROFILE\_DELETE\_FAILED: Port-profile [chars] is deletion failed with error "[chars]"

**Explanation** Port-profile:[chars] deletion failed with [:chars]

**Recommended Action** No action is required.

**Message** PORT-PROFILE-3-PROFILE\_DISABLE\_FAILED: Port-profile [chars] disable failed with error "[chars]"

**Explanation** Port-profile:[chars] disable failed with [:chars]

**Recommended Action** No action is required.

**Message** PORT-PROFILE-3-PROFILE\_ENABLE\_FAILED: Port-profile [chars] enable failed with error "[chars]"

**Explanation** Port-profile:[chars] enable failed with [:chars]

**Recommended Action** No action is required.

**Message** PORT-PROFILE-3-PROFILE\_INHERIT\_FAILED: Port-profile [chars] inherit failed with error [chars] on [chars]

**Explanation** Port-profile:[chars] inherit failed with [:chars] on [:chars]

**Recommended Action** No action is required.

## PORT-PROFILE-6

**Message** PORT-PROFILE-6-PROFILE\_CREATED: Port-profile [chars] is created successfully

**Explanation** Port-profile:[chars] is created

**Recommended Action** No action is required.

**Message** PORT-PROFILE-6-PROFILE\_DEINHERITED: Port-profile [chars] is de-inherited successfully on [chars]

**Explanation** Port-profile:[chars] is de-inherited on [:chars]

**Recommended Action** No action is required.

**Message** PORT-PROFILE-6-PROFILE\_DELETED: Port-profile [chars] is deleted successfully

**Explanation** Port-profile:[chars] is deleted

**Recommended Action** No action is required.

**Message** PORT-PROFILE-6-PROFILE\_DISABLED: Port-profile [chars] is disabled successfully

**Explanation** Port-profile:[chars] is disabled

**Recommended Action** No action is required.

**Message** PORT-PROFILE-6-PROFILE\_ENABLED: Port-profile [chars] is enabled successfully

**Explanation** Port-profile:[chars] is enabled

**Recommended Action** No action is required.

**Message** PORT-PROFILE-6-PROFILE\_INHERITED: Port-profile [chars] is inherited successfully on [chars]

**Explanation** Port-profile:[chars] is inherited on [:chars]

**Recommended Action** No action is required.

## PORT-RESOURCES Messages

This section contains the PORT-RESOURCES messages.

### PORT-RESOURCES-3

**Message** PORT-RESOURCES-3-PRM\_MSG\_SEND\_FAILURE: failed to send [chars] to sap [dec]: [chars]

**Explanation** Failed to send a message

**Recommended Action** No action is required.

### PORT-RESOURCES-5

**Message** PORT-RESOURCES-5-INVALID\_PORT\_ACTIV\_PKG\_LICENSE\_FILE\_INSTALLED: Invalid on demand port activation license file is installed for module [dec] (number of port licenses = [dec])

**Explanation** Interfaces may not acquire port activation license during installation

**Recommended Action** Install a valid port activation license file

## PORT-SECURITY Messages

This section contains the PORT-SECURITY messages.

### PORT-SECURITY-2

**Message** PORT-SECURITY-2-ALLOC\_FAILED: Memory allocation failed for size:[dec] for [chars]

**Explanation** Memory allocation failed for size [dec] for [chars]

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

**Message** PORT-SECURITY-2-FEATURE\_DISABLED: Feature [chars] disabled due to [chars]

**Explanation** Feature [chars] is unavailable and will be disabled now

**Recommended Action** Please install the correct license and reenable

## PORT-SECURITY-3

**Message** PORT-SECURITY-3-BINDING\_CONFLICT: [chars]

**Explanation** An already logged in device is in conflict with the PSM active binding configurations. [chars] indicates the WWN of the login entity, interface

**Recommended Action** For port-security, the auto-learn feature can be used with activation to prevent this. This violating device or switch will be logged out

**Message** PORT-SECURITY-3-BINDING\_VIOLATION: [chars]

**Explanation** A login happened that violates PSM binding configurations [chars] indicates the WWN of the login entity

**Recommended Action** Only entries in the activated database of PSM can login. Change the config and activate it again

**Message** PORT-SECURITY-3-CFS\_NOTIF\_ERR: [chars]

**Explanation** An error occurred during the processing of a CFS notification. [chars] indicates the actual cause for the error

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

**Message** PORT-SECURITY-3-DB\_ERR: [chars]

**Explanation** An error occurred during an PSM database operation. [chars] indicates the reason for the error

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

**Message** PORT-SECURITY-3-EFMD\_FC2\_OPER\_FAILED: [chars]

**Explanation** EFMD fc2 operation failed

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



**Message** PORT-SECURITY-3-EFMD\_INIT\_FAILED: [chars]

**Explanation** EFMD initiate failed

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

**Message** PORT-SECURITY-3-EFMD\_MERGE\_UNKNOWN\_FORMAT: [chars]

**Explanation** Received a corrupted EFMD Request Packet

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

**Message** PORT-SECURITY-3-INIT\_FAIL: [chars]

**Explanation** An error happened during PSM Initialization. [chars] indicates the reason for failure

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

**Message** PORT-SECURITY-3-LEARNT\_BINDING\_CONFLICT: [chars]

**Explanation** An already logged in device that is learnt during activation is in conflict with the PSM active binding configurations. [chars] indicates the WWN of the login entity, interface

**Recommended Action** Copy the active-db to config-db and reactivate. Not doing so could result in unexpected login rejects later on that interface.

**Message** PORT-SECURITY-3-MTS\_ERR: [chars]

**Explanation** An error occurred in processing of an MTS message. [chars] indicates the error that occurred

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

**Message** PORT-SECURITY-3-PSS\_ERR: [chars]

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

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

**Message** PORT-SECURITY-3-PSS\_VER\_FAIL: PSS file [chars] has version [dec].[dec].[dec], expected version [dec].[dec].[dec]

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

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

## PORT-SECURITY-4

**Message** PORT-SECURITY-4-ACTIVATION\_FAIL: [chars]

**Explanation** Activation of bindings failed due to [chars]

**Recommended Action** Correct the error and reactivate it again

## PORT-SECURITY-6

**Message** PORT-SECURITY-6-INFO: [chars]

**Explanation** An event happened that affects PSM. [chars] indicates the event

**Recommended Action** No action is required.

## PORT Messages

This section contains the PORT messages.

### PORT-2

**Message** PORT-2-IF\_DOWN\_ERROR\_DISABLED: Interface [chars] is down (Error disabled) [chars] [chars]

**Explanation** The interface encountered an error while configuring it. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Collect more information about failed interface using command 'show port internal all interface [char]'. In most cases, you can recover using following commands 'config terminal', 'interface [char]', 'shutdown', 'noshutdown' on the interface or removing and re-inserting the fibre optic cable

**Message** PORT-2-IF\_DOWN\_LINK\_FAILURE\_CRIT: Interface [chars] is down (Link failure)

**Explanation** The physical link has gone down

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

## PORT-3

**Message** PORT-3-IF\_SFP\_ALARM: Interface [chars], [chars] [chars] [chars]

**Explanation** There was an alarm on the transceiver module. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

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

**Message** PORT-3-IF\_TRANSCEIVER\_READ\_ERROR: Transceiver read error for interface [chars] [chars] [chars]

**Explanation** Transceiver error read failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Remove and insert the SFP back again. If the problem persists check if the transceiver is supported using the command: show interface transceiver. Please contact customer support to resolve the condition

**Message** PORT-3-IF\_UNSUPPORTED\_TRANSCEIVER: Transceiver for interface [chars] is not supported

**Explanation** Transceiver is not from an authorized vendor

**Recommended Action** This command will determine the transceiver being used: show interface transceiver. Please contact customer support for a list of authorized transceiver vendors

## PORT-4

**Message** PORT-4-IF\_NON\_QUALIFIED\_TRANSCEIVER: Non-qualified transceiver on interface [chars] was detected

**Explanation** The transceiver for the interface specified has not been qualified on this platform for this software release

**Recommended Action** Replace the module with a supported transceiver. Contact Cisco TAC to get platform transceiver qualification details

**Message** PORT-4-IF\_SFP\_CLK\_RATE\_ERROR: SFP clock rate error for interface [chars]  
[chars] [chars]

**Explanation** SFP clock rate mismatch/failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Remove the SFP and insert a new one with a different frequency type. If the problem persists check if the transceiver is supported using the command: show interface transceiver. Please contact customer support to resolve the condition

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

**Explanation** There was a warning on the transceiver module. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

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

**Message** PORT-4-IF\_TRUSTSEC\_VIOLATION: Interface [chars] encountered port security violation [chars] [chars]

**Explanation** The port has detected port security violation. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Check port security configuration on interface

## PORT-5

**Message** PORT-5-EPP\_DISABLED: Interface [chars] (EPP disabled in the [chars]  
switch) [chars]

**Explanation** Trunk protocol, EPP is disabled in the local/peer switch

**Recommended Action** Perform the following commands on the local/peer switch to enable EPP:  
config terminal, 'trunk protocol enable'

**Message** PORT-5-EC\_DISABLED\_AS\_LICENSE\_NOT\_PRESENT: Extended credit feature has  
been disabled as Enterprise Package license could not be checked out

**Explanation** The Enterprise Package license is not available, so the extended credit feature has been disabled even though it was present in startup config

**Recommended Action** Install the Enterprise Package license and re-enable the extended credit feature

**Message** PORT-5-IF\_FEC\_NEGOTIATION\_FAILURE: FEC negotiation failed for interface %s %s

**Explanation** The Forward Correction Error (FEC) is not enabled on this link because the FEC may not have been configured at the peer.

**Recommended Action** Check the FEC configuration on both sides of the link.

**Message** PORT-5-IF\_BRINGUP\_ALLOWED\_FCOT\_CHECKSUM\_ERR: Interface [chars] is allowed to come up even with SFP checksum error [chars] [chars]

**Explanation** SFP checksum on this interface failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Try to replace the SFP on this interface

**Message** PORT-5-IF\_BRINGUP\_FAILED\_ALL\_ZERO\_PEER\_WWN\_RCVD: Interface [chars], is not allowed to come up (received as all zeros wwn from peer [chars] [chars])

**Explanation** Check peer interface configuration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_BRINGUP\_NOT\_ALLOWED\_PORT\_CONFIG\_FAILURE: Interface [chars] is not allowed to be operational due to port config failure for reason: [chars] ([hex]) [chars] [chars]

**Explanation** Check interface configuration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Try to change the configuration on the interface with the current available hardware capability

**Message** PORT-5-IF\_DOWN\_ADMIN\_DOWN: Interface [chars] is down (Administratively down) [chars] [chars]

**Explanation** Interface has been configured to be administratively down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Perform the following commands to bring up the interface: config terminal', 'interface [char]', 'no shutdown'

**Message** PORT-5-IF\_DOWN\_BIT\_ERR\_RT\_THRES\_EXCEEDED: Interface [chars] is down (Error disabled - bit error rate too high) [chars] [chars]

**Explanation** The port has detected too high bit error rate in frames received from attached device. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Check the attached device; replace it if needed

**Message** PORT-5-IF\_DOWN\_BUNDLE\_MISCFG: Interface [chars] is down (Isolation due to channel mis-configuration on local or remote switch) [chars] [chars]

**Explanation** One port across a link is part of a PortChannel while the other is not. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** While adding or deleting a member port from a PortChannel, both ports across the link should be added/deleted. No operation should be performed on either ports until they are both added/deleted.

**Message** PORT-5-IF\_DOWN\_CFG\_CHANGE: Interface [chars] is down(Config change) [chars] [chars]

**Explanation** FCIP interface temporarily down due to reconfiguration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_CHANNEL\_ADMIN\_DOWN: Interface [chars] is down (Channel admin down) [chars] [chars]

**Explanation** This interface belongs to a PortChannel and the PortChannel is configured to be administratively down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Perform the following commands on the PortChannel interface to which it belongs to bring the interface up: 'config terminal', 'interface [char]', 'shutdown', 'noshutdown'

**Message** PORT-5-IF\_DOWN\_CHANNEL\_MEMBERSHIP\_UPDATE\_IN\_PROGRESS: Interface [chars] is down (Channel membership update in progress) [chars] [chars]

**Explanation** The interface belongs to a PortChannel and a configuration is being attempted on the interface while there is a configuration in progress on the PortChannel. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Retry the configuration again

**Message** PORT-5-IF\_DOWN\_DENIED\_DUE\_TO\_PORT\_BINDING: Interface [chars] is down(Suspended due to port binding) [chars] [chars]

**Explanation** The F port is suspended due to being denied by port binding. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please check the port binding database to allow the host port to log in.

**Message** PORT-5-IF\_DOWN\_DOMAIN\_ADDR\_ASSIGN\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to domain id assignment failure) [chars] [chars]

**Explanation** Isolated due to a failure while assigning a domain. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_DOMAIN\_ID\_MISMATCH\_ISOLATION: Interface [chars] is isolated (configured fcdomain ID is different from runtime config) [chars] [chars]

**Explanation** The runtime fcdomain ID does not equal the static configured fcdomain ID. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that the fcdomain ID configuration matches the runtime config.

**Message** PORT-5-IF\_DOWN\_DOMAIN\_INVALID\_RCF\_RECEIVED: Interface [chars] is down (Isolation due to invalid fabric reconfiguration) [chars] [chars]

**Explanation** Invalid RCF received. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_DOMAIN\_MANAGER\_DISABLED: Interface [chars] is down (Isolation due to domain manager disabled) [chars] [chars]

**Explanation** Isolated due to domain manager being disabled. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_DOMAIN\_MAX\_RETRANSMISSION\_FAILURE: Interface [chars] is down (Isolation due to domain manager other side not responding) [chars] [chars]

**Explanation** Remote end domain manager not responding. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_DOMAIN\_NOT\_ALLOWED\_ISOLATION: Interface [chars] is isolated (domain not allowed) [chars] [chars]

**Explanation** There are not enough allowed domains to merge the VSANs across the link. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that all assigned domain ids are in the configured allowed domains on both sides of the link.

**Message** PORT-5-IF\_DOWN\_DOMAIN\_OTHER\_SIDE\_EPORT\_ISOLATED: Interface [chars] is down (Isolation due to domain other side eport isolated) [chars] [chars]

**Explanation** Isolating this interface due to the remote end being isolated. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_DOMAIN\_OVERLAP\_ISOLATION: Interface [chars] is down (Isolation due to domain overlap) [chars] [chars]

**Explanation** Isolated due to domain overlap. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_DPVM\_VSAN\_NOT\_FOUND: Interface [chars] is down (dynamic vsan not present) [chars] [chars]

**Explanation** The specified dynamic vsan is not configured on this switch. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the dynamic vsan.



**Message** PORT-5-IF\_DOWN\_DPVM\_VSAN\_SUSPENDED: Interface [chars] is down (dynamic vsan in suspended state) [chars] [chars]

**Explanation** The specified dynamic vsan is in suspended state. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Un-suspend the dynamic vsan.

**Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_CLASSF\_PARAM\_ERR: Interface [chars] is down (Isolation due to ELP failure: class F param error) [chars] [chars]

**Explanation** ELP failed on the interface due to class F param error. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the attached switchport correctly and try again

**Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_CLASSN\_PARAM\_ERR: Interface [chars] is down (Isolation due to ELP failure: class N param error) [chars] [chars]

**Explanation** ELP failed on the interface due to class N param error. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the attached switchport correctly and try again

**Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_INVALID\_PAYLOAD\_SIZE: Interface [chars] is down (Isolation due to ELP failure: invalid payload size)

**Explanation** ELP failed on the interface due to invalid payload size

**Recommended Action** Configure the attached switchport correctly and try again

**Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_INVALID\_PORT\_NAME: Interface [chars] is down (Isolation due to ELP failure: invalid port name) [chars] [chars]

**Explanation** ELP failed on the interface due to invalid port name. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the attached switchport correctly and try again

**Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_INVALID\_SWITCH\_NAME: Interface [chars] is down (Isolation due to ELP failure: invalid switch name) [chars] [chars]

**Explanation** ELP failed on the interface due to invalid switch name. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the attached switchport correctly and try again

**Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_INVALID\_TX\_BBCREDIT: Interface [chars] is down (Isolation due to ELP failure: loopback detected) [chars] [chars]

**Explanation** ELP failed on the interface due to loopback connection detected. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Connect to a port on another switch and try again

**Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_LOOPBACK\_DETECTED: Interface [chars] is down (Isolation due to ELP failure: invalid transmit B2B credit) [chars] [chars]

**Explanation** ELP failed on the interface due to invalid transmit B2B credit. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the attached switchport correctly and try again

**Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_RATOV\_EDTOV\_MISMATCH: Interface [chars] is down (Isolation due to ELP failure: R\_A\_TOV or E\_D\_TOV mismatch) [chars] [chars]

**Explanation** ELP failed on the interface due to R\_A\_TOV or E\_D\_TOV mismatch. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure R\_A\_TOV and E\_D\_TOV values correctly and try again

**Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_REVISION\_MISMATCH: Interface [chars] is down (Isolation due to ELP failure: revision mismatch) [chars] [chars]

**Explanation** ELP failed on the interface due to revision mismatch. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the attached switchport correctly and try again

**Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_UNKNOWN\_FLOW\_CTL\_CODE: Interface [chars] is down (Isolation due to ELP failure: invalid flow control code) [chars] [chars]

**Explanation** ELP failed on the interface due to invalid flow control code. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the attached switchport correctly and try again

**Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION\_UNKNOWN\_FLOW\_CTL\_PARAM: Interface [chars] is down (Isolation due to ELP failure: invalid flow control param) [chars] [chars]

**Explanation** ELP failed on the interface due to invalid flow control param. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the attached switchport correctly and try again

**Message** PORT-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to ELP failure) [chars] [chars]

**Explanation** ELP failed on the interface. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Check the output of 'show port internal info' in the ELP failure reason field

**Message** PORT-5-IF\_DOWN\_EPP\_FAILURE: Interface [chars] is down (Error Disabled - EPP Failure) [chars] [chars]

**Explanation** Trunk protocol failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** 'show port internal even history msgs' will indicate the trunk protocol exchanges to determine why it failed.

**Message** PORT-5-IF\_DOWN\_ESC\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to ESC failure) [chars] [chars]

**Explanation** ESC failed on the interface. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Check the output of 'show port internal event-history' to determine the ESC protocol exchanges to determine how it failed.

**Message** PORT-5-IF\_DOWN\_ETH\_IF\_DOWN: Interface [chars] is down(Tunnel port src interface down) [chars] [chars]

**Explanation** Ethernet link to which the FCIP interface is bound is down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that the ethernet cable is connected, the interface is administratively enabled

**Message** PORT-5-IF\_DOWN\_ETH\_LINK\_DOWN: Interface [chars] is down(Tunnel port src interface link down) [chars] [chars]

**Explanation** Ethernet link to which the FCIP interface is bound is down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that the ethernet cable is connected and the remote end is also active

**Message** PORT-5-IF\_DOWN\_FABRIC\_BIND\_FAILURE: Interface [chars] is down(Isolation due to fabric bind failure) [chars] [chars]

**Explanation** Fabric binding failed on this port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please check the fabric binding database to ensure that the remote port is allowed to connect to this port

**Message** PORT-5-IF\_DOWN\_FCOT\_NOT\_PRESENT: Interface [chars] is down (FCOT not present) [chars] [chars]

**Explanation** The FCOT has been removed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Insert an FCOT

**Message** PORT-5-IF\_DOWN\_FCOT\_REMOVED: Interface [chars] is down (FCOT has been removed) [chars] [chars]

**Explanation** The FCOT has been removed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Insert an FCOT

**Message** PORT-5-IF\_DOWN\_FCOT\_VENDOR\_NOT\_SUPPORTED: Interface [chars] is down (Error disabled - FCOT vendor not supported) [chars] [chars]

**Explanation** FCOT inserted is not a supported one. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please contact customer support for a list of authorized transceiver vendors

**Message** PORT-5-IF\_DOWN\_FCSP\_AUTHENT\_FAILURE: Interface [chars] is down (FC-SP authentication failure) [chars] [chars]

**Explanation** The port failed FC-SP authentication with its peer. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please check the FC-SP configuration.

**Message** PORT-5-IF\_DOWN\_FICON\_BEING\_ENABLED: Interface [chars] is down(FICON being enabled) [chars] [chars]

**Explanation** FICON is being enabled on the port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please wait. This might take a while

**Message** PORT-5-IF\_DOWN\_FICON\_NOT\_ENABLED: Interface [chars] is down(Error disabled - FICON not enabled) [chars] [chars]

**Explanation** FICON not enabled on port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please enable FICON on port

**Message** PORT-5-IF\_DOWN\_FICON\_VSAN\_DOWN: Interface [chars] is down(FICON vsan down) [chars] [chars]

**Explanation** FICON is being enabled on the port VSAN of this port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** This is an intermediary state, whereby the port VSAN of the port is being enabled to be a FICON VSAN.

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

**Explanation** The modules hardware has failed.[optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

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

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

**Explanation** The port VSAN has been suspended or deleted. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

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

**Message** PORT-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_MODE: Interface [chars] is down (Error disabled - Incompatible admin port mode) [chars] [chars]

**Explanation** The configured mode is not supported on this interface. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Perform a 'show port internal info' to determine the list of modes supported on this interface

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

**Explanation** The configured receive B2B credit size is not supported. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

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

**Message** PORT-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_RXBUFSIZE: Interface [chars] is down (Error disabled - Incompatible admin port rxbufsize) [chars] [chars]

**Explanation** The configured receive buffer size is not supported. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

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

**Message** PORT-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_SPEED: Interface [chars] is down (Error disabled - Incompatible admin port speed) [chars] [chars]

**Explanation** The configured speed is not supported on this interface. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Perform a 'show port internal info' to determine the range of speed supported on this interface

**Message** PORT-5-IF\_DOWN\_INITIALIZING: Interface [chars] is down (Initializing) [chars] [chars]

**Explanation** The interface is in the process of coming up. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** If the interface is stuck in this state for a while, check the output of 'show port internal event-history' to determine what it is waiting for.

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

**Explanation** Interface removed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_INVALID\_ATTACHMENT: Interface [chars] is down(Invalid attachment) [chars] [chars]

**Explanation** The peer port does not have the compatible security attributes. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please ensure that the peer port has compatible security attributes as the local port.

**Message** PORT-5-IF\_DOWN\_INVALID\_CONFIG: Interface [chars] is down(Error disabled - Possible PortChannel misconfiguration) [chars] [chars]

**Explanation** The local and peer port have a PortChannel membership misconfiguration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that both the local and peer ports are either both members of the same PortChannel or are not both part of PortChannel

**Message** PORT-5-IF\_DOWN\_INVALID\_FABRIC\_BINDING: Interface [chars] is down(Invalid fabric binding exchange) [chars] [chars]

**Explanation** Fabric binding failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please check fabric binding database

**Message** PORT-5-IF\_DOWN\_LINK\_FAILURE: Interface [chars] is down (Link failure [chars]) [chars] [chars]

**Explanation** The physical link has gone down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

**Message** PORT-5-IF\_DOWN\_LOCALLY\_DISRUPTIVE\_RECONFIGURATION: Interface [chars] is down (fcdomain applied a locally disruptive reconfiguration) [chars] [chars]

**Explanation** Fcdomain applied a locally disruptive reconfiguration (local domain became invalid. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_LOOPBACK\_DIAG\_FAILURE: Interface [chars] is down (Diag failure) [chars] [chars]

**Explanation** Diag failed on the interface. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Collect more information about failed interface using command 'attach module' to connect to module

**Message** PORT-5-IF\_DOWN\_LOOPBACK\_ISOLATION: Interface [chars] is down (Isolation due to port loopback to same switch) [chars] [chars]

**Explanation** The interface is looped back to another interface on the same switch. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Check the connectivity of this interface and ensure that it is connected to another switch

**Message** PORT-5-IF\_DOWN\_MODULE\_REMOVED: Interface [chars] is down (module removed) [chars] [chars]

**Explanation** Interface is down because the module was removed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.



**Message** PORT-5-IF\_DOWN\_NONE: Interface [chars] is down (None) [chars] [chars]

**Explanation** There is no apparent reason the interface is down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Collect more information about port using command show port internal all interface [char]' to determine why it went down

**Message** PORT-5-IF\_DOWN\_NON\_PARTICIPATING: Interface [chars] is down (Non participating) [chars] [chars]

**Explanation** The loop port has been put into non participating mode. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_NOS\_RCVD: Interface [chars] is down (NOS received) [chars] [chars]

**Explanation** The physical link has gone down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

**Message** PORT-5-IF\_DOWN\_NO\_TRUNK\_OPER\_VSANS\_ISOLATION: Interface [chars] is down(Isolation due to no common vsans with peer on trunk) [chars] [chars]

**Explanation** The trunk port is isolated as there are no common VSANs to be brought up with the peer port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please check that there are common VSANs configured and allowed to come up between the ports.

**Message** PORT-5-IF\_DOWN\_OFFLINE: Interface [chars] is down (Offline) [chars] [chars]

**Explanation** The interface has been placed into the offline state. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_OHMS\_EXTERNAL\_LB\_TEST: Interface [chars] is down (Loopback test) [chars] [chars]

**Explanation** Loopback tests. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please wait. This might take a while

**Message** PORT-5-IF\_DOWN\_OLS\_RCVD: Interface [chars] is down (OLS received) [chars] [chars]

**Explanation** The physical link has gone down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

**Message** PORT-5-IF\_DOWN\_PARENT\_ADMIN\_DOWN: Interface [chars] is down (Parent interface down) [chars] [chars]

**Explanation** Parent interface is down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_PEER\_CLOSE: Interface [chars] is down(TCP conn. closed by peer) [chars] [chars]

**Explanation** The FCIP peer connected to this interface closed the TCP connection. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** This command will provide the peer IP address of this FCIP interface: show interface. Check to see why the peer closed the TCP connection

**Message** PORT-5-IF\_DOWN\_PEER\_RESET: Interface [chars] is down(TCP conn. reset by peer) [chars] [chars]

**Explanation** TCP connection to the FCIP peer got reset. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Check to see why the peer reset the TCP connection

**Message** PORT-5-IF\_DOWN\_PORT\_ACT\_LICENSE\_NOT\_AVAILABLE: Interface [chars] is not allowed to come up (port activation license not available [chars] [chars])

**Explanation** Assign a port activation license to this port or install additional port activation licenses as needed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_PORT\_BIND\_FAILURE: Interface [chars] is down(Isolation due to port bind failure) [chars] [chars]

**Explanation** Port binding failed on this port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please check the port binding database to ensure that the remote port is allowed to connect to this port

**Message** PORT-5-IF\_DOWN\_PORT\_BLOCKED: Interface [chars] is down(Port blocked due to FICON) [chars] [chars]

**Explanation** The port has been blocked by FICON configuration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please unblock the port in FICON configuration.

**Message** PORT-5-IF\_DOWN\_PORT\_CHANNEL\_MEMBERS\_DOWN: Interface [chars] is down (No operational members) [chars] [chars]

**Explanation** This is a PortChannel interface and all its members are operationally down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Enable at least one of the PortChannel members'

**Message** PORT-5-IF\_DOWN\_PORT\_VSAN\_MISMATCH\_ISOLATION: Interface [chars] is down (Isolation due to port VSAN mismatch) [chars] [chars]

**Explanation** Isolated due to a mismatch in the configured port VSAN of the local and remote ends. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Configure the port VSAN of the local and remote interfaces to be the same and perform a shutdown' and a 'no shutdown'.

**Message** PORT-5-IF\_DOWN\_RCF\_IN\_PROGRESS: Interface [chars] is down (RCF in progress) [chars] [chars]

**Explanation** There is an RCF in progress. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_SOFTWARE\_FAILURE: Interface [chars] is down (Port software failure) [chars] [chars]

**Explanation** The software servicing the data path on the port has failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_SRC\_MOD\_NOT\_ONLINE: Interface [chars] is down (Tunnel source module not online) [chars] [chars]

**Explanation** Module that has the tunnel source port of this FCIP interface is not fully online. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** The module that has the tunnel src port is coming online. Please use show mod to find module status

**Message** PORT-5-IF\_DOWN\_SRC\_PORT\_NOT\_BOUND: Interface [chars] is down (Tunnel port src interface unbound) [chars] [chars]

**Explanation** Tunnel port source interface unbound. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_SRC\_PORT\_REMOVED: Interface [chars] is down (Tunnel src port removed) [chars] [chars]

**Explanation** Tunnel source port of this FCIP interface has been removed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** The src interface with ip address that matches the ip address of the bound entity is removed. This happens normally due to the module on which the src interface exists is removed

**Message** PORT-5-IF\_DOWN\_SUSPENDED\_BY\_MODE: Interface [chars] is down (Suspended due to incompatible mode) [chars] [chars]

**Explanation** This interface belongs to a PortChannel and operational mode of the interface is different from that of the PortChannel. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Change the mode and the trunking mode of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

**Message** PORT-5-IF\_DOWN\_SUSPENDED\_BY\_SPEED: Interface [chars] is down (Suspended due to incompatible speed) [chars] [chars]

**Explanation** This interface belongs to a PortChannel and operational speed of the interface is different from that of the PortChannel. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Change the speed of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

**Message** PORT-5-IF\_DOWN\_SUSPENDED\_BY\_WWN: Interface [chars] is down (Suspended due to incompatible remote switch WWN) [chars] [chars]

**Explanation** This interface belongs to a PortChannel and remote switch WWN of the interface is different from that of the PortChannel. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Ensure that this interface is connected to the same remote switch as all the other interfaces in the PortChannel

**Message** PORT-5-IF\_DOWN\_SUSPENDED: Interface [chars] is down (Suspended) [chars] [chars]

**Explanation** This interface belongs to a PortChannel and has been suspended to an error while bringing it up. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** In most cases, you can recover using following commands 'config terminal', 'interface [char]', 'shutdown', 'noshutdown' on the interface.If this happens again obtain output of 'show port internal all interface [char]' on the interface

**Message** PORT-5-IF\_DOWN\_TCP\_KEEP\_ALIVE\_EXPIRED: Interface [chars] is down(TCP conn. closed - Keep alive expired) [chars] [chars]

**Explanation** TCP session to the FCIP peer got closed due to loss of TCP keep alive. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** PORT-5-IF\_DOWN\_TCP\_MAX\_RETRANSMIT: Interface [chars] is down(TCP conn. closed - retransmit failure) [chars] [chars]

**Explanation** Interface is down due to maximum retransmission failure. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** PORT-5-IF\_DOWN\_TCP\_PERSIST\_TIMER\_EXPIRED: Interface [chars] is down(TCP conn. closed - Persist timer expired) [chars] [chars]

**Explanation** TCP session to the FCIP peer closed because TCP persist timer expired. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** PORT-5-IF\_DOWN\_TOO\_MANY\_INTR: Interface [chars] is down (Error disabled - too many interrupts) [chars] [chars]

**Explanation** The port has received too many interrupts in the hardware. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Check the attached device; replace it if needed

**Message** PORT-5-IF\_DOWN\_TOO\_MANY\_INVALID\_FLOGIS: Interface [chars] is down(Suspended due to too many invalid flogis [chars] [chars])

**Explanation** The port is suspended due to receiving a large number of invalid FLOGIs.[optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Please check the HBA and perform a shut, followed by no shut on the port.

**Message** PORT-5-IF\_DOWN\_UPGRADE\_IN\_PROGRESS: Interface [chars] is down (Linecard upgrade in progress) [chars] [chars]

**Explanation** Upgrade of the linecard software is in progress. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_VIRTUAL\_IVR\_DOMAIN\_OVERLAP\_ISOLATION: Interface [chars] is down (Isolation due to virtual IVR domain overlap) [chars] [chars]

**Explanation** Isolated due to virtual IVR domain overlap. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_VSAN\_MISMATCH\_ISOLATION: Interface [chars] is down (Isolation due to vsan mismatch) [chars] [chars]

**Explanation** This is a trunking interface and the VSANs configured do not match with the VSANs configured on the remote end. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Check the VSANs configured on the local end with the remote end

**Message** PORT-5-IF\_DOWN\_ZONE\_MERGE\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to zone merge failure) [chars] [chars]

**Explanation** Isolated due to a failure during zone merge. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_DOWN\_ZONE\_REMOTE\_NO\_RESP\_ISOLATION: Interface [chars] is down (Isolation due to remote zone server not responding) [chars] [chars]

**Explanation** Isolated due to remote zone server not responding. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-IF\_PORT\_GUARD\_DOWN: Interface [chars] is down ([chars]) [chars] [chars]

**Explanation** The interface is down due to port guard configuration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** Perform a shut followed by no shut to bring up the interface

**Message** PORT-5-IF\_PORT\_QUIESCE\_FAILED: Interface [chars] port quiesce failed due to failure reason: [chars] ([hex])

**Explanation** There may be few packet drops due to this failure

**Recommended Action** No action is required.

**Message** PORT-5-IF\_PSS\_DUPLICATE\_KEY: Duplicate key found for Interface [chars]

**Explanation** Duplicate pss key detected

**Recommended Action** No action is required.

**Message** PORT-5-IF\_TRUNK\_DOWN: Interface [chars], vsan [chars] is down ([chars]) [chars] [chars]

**Explanation** Interface [chars] is trunking, VSAN [chars] is down with reason in (). [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** The following commands will help determine why this VSAN is down on this interface: show interface, show port internal info interface VSAN, show port internal event-history interface VSAN

**Message** PORT-5-IF\_TRUNK\_UP: Interface [chars], vsan [chars] is up [chars] [chars]

**Explanation** Interface [chars] is trunking, VSAN [chars] is up. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.



**Message** PORT-5-IF\_UP: Interface [chars] is up [chars] [chars] [chars]

**Explanation** Interface is up in mode specified, if applicable. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

**Recommended Action** No action is required.

**Message** PORT-5-MODULE\_BRINGUP\_NOT\_ALLOWED: Not allowing module [dec] to come up for reason: [chars] ([hex])

**Explanation** Module is not allowed to be operational due to the current system state

**Recommended Action** Use command show module <x>

**Message** PORT-5-MODULE\_INDEX\_RESTORE\_ERROR: Error in restoring indices for module [dec]: reason [chars] ([hex])

**Explanation** Restore of module index may fail due to overlap of indices

**Recommended Action** No action is required.

**Message** PORT-5-MODULE\_UNLIMITED\_OSM\_SEQ\_FAILED: Enable/Disable of unlimited over subscription failed for module [dec]

**Explanation** Interfaces of the module may be in indeterminate state

**Recommended Action** Reload the module

## PREFPATH Messages

This section contains the PREFPATH messages.

### PREFPATH-1

**Message** PREFPATH-1-LC\_CFG\_FAILURE: configuring module [dec] failed [[chars]]

**Explanation** Module configuration failed

**Recommended Action** No action is required.

**Message** PREFPATH-1-MCAST\_SEND\_FAILURE: failed to send multicast [chars]: [chars]

**Explanation** Failed to send a multicast message to all modules, usually because some module went down

**Recommended Action** No action is required.

## PREFPATH-2

**Message** PREFPATH-2-INITFAIL: Preferred Path Initialization failed: [chars]

**Explanation** Preferred Path initialization failed. [chars] explains the reason for the failure.

**Recommended Action** No action is required.

**Message** PREFPATH-2-IPC\_PROCESSING\_ERR: Error in processing IPC message: Opcode = [dec], Error code = [hex]

**Explanation** Preferred Path component encountered an error in processing an MTS message. The error and message are specified in the Message

**Recommended Action** No action is required.

**Message** PREFPATH-2-PREFPATH\_INIT: Preferred Path initialization of [chars]  
[chars]

**Explanation** Preferred Path initialization failed

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

## PREFPATH-3

**Message** PREFPATH-3-ACL\_PROG\_FAILURE: SLOT [dec]: Failed to [chars] ACL for route - source fcid [chars] mask [chars] dest fcid [chars] mask [chars] selected interface [chars] (ACL return code=[hex], [chars])

**Explanation** The Preferred Path has failed to program or erase Preferred Path related ACL. The error code returned by ACL module is [int.].

**Recommended Action** No action is required.

**Message** PREFPATH-3-DBERROR: [chars]

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

**Recommended Action** No action is required.

**Message** PREFPATH-3-FAILURE\_RESPONSE: [chars] [dec]

**Explanation** Preferred Path failed to get response [chars] [int.] specify the context where the failure occurred.

**Recommended Action** No action is required.

**Message** PREFPATH-3-GENERAL\_ERROR: General Error: [chars]

**Explanation** General error

**Recommended Action** No action is required.

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

**Explanation** Preferred Path encountered an MTS error. [chars] specifies the context where the error occurred.

**Recommended Action** No action is required.

**Message** PREFPATH-3-PREFPATH\_ACTIVE\_FAILURE: Failed to [chars] route - source fcid [chars] mask [chars] dest fcid [chars] mask [chars] selected interface [chars] (reason: [chars])

**Explanation** The Preferred Path has failed to activate route. The reason is [str.].

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

**Message** PREFPATH-3-RIB\_ERR: Error in RIB: [chars]

**Explanation** Failed to interact with RIB for static route update, error description in [chars].

**Recommended Action** No action is required.

**Message** PREFPATH-3-TIMEOUT\_ERROR: [chars] [dec]

**Explanation** Preferred Path encountered a timeout [chars] [int.] specify the context where the failure occurred.

**Recommended Action** No action is required.

## PREFPATH-4

**Message** PREFPATH-4-UNEXPECTED\_RESPONSE: unexpected response [chars] from [chars]

**Explanation** Received an unexpected response and discarded

**Recommended Action** No action is required.

## PREFPATH-6

**Message** PREFPATH-6-ACL\_PROG\_SUCCESS: SLOT [dec]: Successfully [chars] route - source fcid [chars] mask [chars] dest fcid [chars] mask [chars] selected interface [chars]

**Explanation** The Preferred Path has successfully programmed or erased Preferred Path related ACL.

**Recommended Action** No action is required.

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

**Explanation** Preferred Path Service Up

**Recommended Action** No action is required.

**Message** PREFPATH-6-STATE\_CREATED: Internal state created [chars]

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

**Recommended Action** No action is required.

## PRIVATE\_VLAN Messages

This section contains the PRIVATE\_VLAN messages.

### PRIVATE\_VLAN-2

**Message** PRIVATE\_VLAN-2-PVLAN\_ASSOC\_DOWN\_FAILED: Failed to bring down the association between [dec] & [dec]

**Explanation** Association bring down failed

**Recommended Action** No action is required.

**Message** PRIVATE\_VLAN-2-PVLAN\_ASSOC\_UP\_FAILED: Failed to bring up the association between [dec] & [dec]

**Explanation** Association bringup failed

**Recommended Action** No action is required.

**Message** PRIVATE\_VLAN-2-PVLAN\_ELTM\_MTS\_SEND\_FAILED: MTS send failed while communicating with ELTM.

**Explanation** ELTM MTS send failed

**Recommended Action** No action is required.

**Message** PRIVATE\_VLAN-2-PVLAN\_ELTM\_TIMED\_OUT: ELTM timed out while configuring hardware.

**Explanation** ELTM timed out

**Recommended Action** No action is required.

**Message** PRIVATE\_VLAN-2-PVLAN\_ETHPM\_TIMED\_OUT: ETHPM timed out while configuring/unconfiguring hardware

**Explanation** ETHPM timed out

**Recommended Action** No action is required.

**Message** PRIVATE\_VLAN-2-PVLAN\_HW\_ERROR: Error [hex] occurred for ifindex [hex] while programming hardware: [chars]

**Explanation** Hardware Configuration Error

**Recommended Action** No action is required.

**Message** PRIVATE\_VLAN-2-PVLAN\_PIXM\_MTS\_SEND\_FAILED: MTS send failed while communicating with PIXM

**Explanation** PIXM MTS send failed

**Recommended Action** No action is required.

**Message** PRIVATE\_VLAN-2-PVLAN\_PIXM\_TIMED\_OUT: PIXM timed out while configuring hardware.

**Explanation** PIXM timed out

**Recommended Action** No action is required.

## PRIVATE\_VLAN-3

**Message** PRIVATE\_VLAN-3-PVLAN\_ASSOC\_SDB\_UPDATE\_FAILED: Failed to update SDB while [chars] association for vlan [dec]

**Explanation** SDB Update failed

**Recommended Action** No action is required.

**Message** PRIVATE\_VLAN-3-PVLAN\_IN\_USE: PVLAN [dec] in use by interface [chars], please do "no switchport access vlan" or "no switchport private-vlan host-association"

**Explanation** PVLAN in use

**Recommended Action** No action is required.

**Message** PRIVATE\_VLAN-3-PVLAN\_VLANMGR\_FAILURE: Cannot restore association operational state. Failed to communicate with VLAN manager

**Explanation** Restoring association operational status failed

**Recommended Action** No action is required.

## PRIVATE\_VLAN-5

**Message** PRIVATE\_VLAN-5-PVLAN\_DISABLED: PVLAN Disabled

**Explanation** PVLAN Service Disabled

**Recommended Action** No action is required.

**Message** PRIVATE\_VLAN-5-PVLAN\_DISABLE\_FAILED: Disabling of private-vlan failed. Either shutdown these ports or remove them from private-vlan mode: [chars]

**Explanation** Disabling of private-vlan failed

**Recommended Action** No action is required.

**Message** PRIVATE\_VLAN-5-PVLAN\_ENABLED: PVLAN Enabled

**Explanation** PVLAN Service Enabled

**Recommended Action** No action is required.

## PROC\_MGR Messages

This section contains the PROC\_MGR messages.

### PROC\_MGR-SLOT#-2

**Message** PROC\_MGR-SLOT#-2-ERR\_MSG: [chars]

**Explanation** Process manager error.

**Recommended Action** No action is required.

**Message** PROC\_MGR-SLOT#-2-MESG: [chars]

**Explanation** Process manager information.

**Recommended Action** Process manager information.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_APP\_CRIT\_ERROR: ERROR: Critical error determined for app ([chars]) status=[dec] signal=[dec]

**Explanation** Application caused critical error.

**Recommended Action** Restart the linecard.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_APP\_EXITED: ERROR: Application ([chars]) exited with status=[dec] signal=[dec]

**Explanation** Application exited.

**Recommended Action** Check the application.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_COMP\_CATASTROPHIC\_ERROR: ERROR: Component ([chars]) caused critical error and linecard will be rebooted

**Explanation** Component caused critical error.

**Recommended Action** Restart the linecard.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_COMP\_CRIT\_ERROR: ERROR: Critical error determined for component ([chars]) errno=[dec]

**Explanation** Critical error for component.

**Recommended Action** Restart the linecard.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_COMP\_DEP\_FAIL: ERROR: Dependency failure - Component ([chars]) depends on ([chars])

**Explanation** Component dependency failure.

**Recommended Action** Check whether the component exists.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_COMP\_NOT\_INSTALLED: ERROR: Component ([chars]) could not be installed errno=[dec]

**Explanation** Component not installed.

**Recommended Action** Check whether the component exists.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_COMP\_TIMEOUT: ERROR: Component ([chars]) did not exit and time out occurred

**Explanation** Component initialization timed out.

**Recommended Action** Check the component.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_MTS\_CORE\_CLIENT\_FAIL: ERROR: MTS message to core\_client FAILED errno=[dec]

**Explanation** Message to core client failed.

**Recommended Action** Restart the linecard.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_QUIT: Process manager quitting because: [chars]

**Explanation** Process manager quitting.

**Recommended Action** No action is required.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_RM\_KLM\_SCRIPT: Removed: KLM/Script [[chars]] in [dec] sec [dec] usec.

**Explanation** Removed KLM/Script.

**Recommended Action** No action is required.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_STOP\_PROC: Process [[chars]] exited in [dec] sec [dec] usec.

**Explanation** Process stopped.

**Recommended Action** No action is required.



**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_TERM\_TIME: \* Termination took [dec] sec [dec] usec \*

**Explanation** Process manager termination time.

**Recommended Action** No action is required.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_UT\_PEEK\_FAIL: ERROR: Unable to peek on utaker queue

**Explanation** Peek at utaker queue failed.

**Recommended Action** Restart the linecard.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_UT\_SEM\_ALLOC\_FAIL: ERROR:Failed to allocate utaker semaphore: [dec]

**Explanation** Utaker semaphore allocation failed.

**Recommended Action** Restart the linecard.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_UT\_SEM\_GET\_FAIL: ERROR:[chars] [dec]: Failed to get utaker semaphore: [dec]

**Explanation** Utaker semaphore get failed.

**Recommended Action** Restart the linecard.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_UT\_SEM\_GIVE\_FAIL: ERROR:[chars] [dec]: Failed to give utaker semaphore: [dec]

**Explanation** Utaker semaphore give failed.

**Recommended Action** Restart the linecard.

**Message** PROC\_MGR-SLOT#-2-PROC\_MGR\_UT\_SEM\_TAKE\_FAIL: ERROR:[chars] [dec]: Failed to take utaker semaphore: [dec]

**Explanation** Utaker semaphore take failed.

**Recommended Action** Restart the linecard.

## PROC\_MGR-SLOT#-3

**Message** PROC\_MGR-SLOT#-3-PROC\_MGR\_ERROR\_MSG: [chars]

**Explanation** Process manager Message

**Recommended Action** No action is required.

## PROC\_MGR-SLOT#-4

**Message** PROC\_MGR-SLOT#-4-PROC\_MGR\_APP\_NOT\_RESP: ERROR: Process ([chars]) is not responding, it will be terminated

**Explanation** Application not sending heartbeat.

**Recommended Action** Check the application.

## PROC\_MGR-SLOT#-6

**Message** PROC\_MGR-SLOT#-6-PROC\_MGR\_INFO\_MSG: [chars]

**Explanation** Process manager info message

**Recommended Action** No action is required.

## PROFILER Messages

This section contains the PROFILER messages.

### PROFILER-0

**Message** PROFILER-0-EMERGENCY\_MSG: [chars]

**Explanation** Profiler Emergency Message

**Recommended Action** Please file the bug for Profiler Library Component through CDETS

### PROFILER-1

**Message** PROFILER-1-ALERT\_MSG: [chars]

**Explanation** Profiler Alert Message

**Recommended Action** Profiler Internal Operation Alert

### PROFILER-2

**Message** PROFILER-2-CRITICAL\_MSG: [chars]

**Explanation** Profiler Critical Message

**Recommended Action** No action is required.

## PROFILER-3

**Message** PROFILER-3-ERROR\_MSG: [chars]

**Explanation** Profiler Message

**Recommended Action** No action is required.

## PROFILER-4

**Message** PROFILER-4-WARN\_MSG: [chars]

**Explanation** Profiler Warning Message

**Recommended Action** No action is required.

## PROFILER-5

**Message** PROFILER-5-NOTIF\_MSG: [chars]

**Explanation** Profiler Notification Message

**Recommended Action** No action is required.

## PROFILER-6

**Message** PROFILER-6-INFO\_MSG: [chars]

**Explanation** Profiler Informational Message

**Recommended Action** No action is required.

## PROFILER-7

**Message** PROFILER-7-DEBUG\_MSG: [chars]

**Explanation** Profiler Debug Message

**Recommended Action** No action is required.

## PSS Messages

This section contains the PSS messages.

### PSS-0

**Message** PSS-0-PSS\_NO\_MORE\_PAGES: [chars]: needs more working pages

**Explanation** Service needs more working page buffers

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

**Message** PSS-0-PSS\_READ\_DATA\_FAILURE: [chars]: failed to read data to [chars] block [dec]: [chars]

**Explanation** PSS cannot read data

**Recommended Action** No action is required.

**Message** PSS-0-PSS\_SYNC\_DATA\_FAILURE: [chars]: failed to sync data to [chars]: [chars]

**Explanation** PSS cannot sync data due to filesystem or disk error

**Recommended Action** No action is required.

**Message** PSS-0-PSS\_SYNC\_LOG\_FAILURE: [chars]: failed to sync log: [chars]

**Explanation** PSS cannot sync log due to filesystem or disk error

**Recommended Action** No action is required.

**Message** PSS-0-PSS\_UNKNOWN\_LOG: [chars]: unknown log type [hex] at offset [dec]

**Explanation** Unknown logging entry found

**Recommended Action** No action is required.

**Message** PSS-0-PSS\_WRITE\_DATA\_FAILURE: [chars]: failed to write data to [chars] block [dec]: [chars]

**Explanation** PSS cannot write data due to filesystem or disk error

**Recommended Action** No action is required.

**Message** PSS-0-PSS\_WRITE\_FAILURE: [chars]: failed to write data: [chars]

**Explanation** PSS cannot write data due to filesystem or disk error

**Recommended Action** No action is required.

**Message** PSS-0-PSS\_WRITE\_LOG\_FAILURE: [chars]: failed to write log: [chars]

**Explanation** PSS cannot write log due to filesystem or disk error

**Recommended Action** No action is required.

## PSS-1

**Message** PSS-1-PSS\_INVALID\_MAGIC: [chars]: database [chars] has invalid magic number [hex]

**Explanation** PSS found a corrupted database with invalid magic number

**Recommended Action** No action is required.

**Message** PSS-1-PSS\_META\_READ\_ERROR: [chars]: cannot read meta page from [chars]: [chars]

**Explanation** PSS cannot read meta page of a database

**Recommended Action** No action is required.

**Message** PSS-1-PSS\_STAT\_ERROR: [chars]: cannot stat [chars]: [chars]

**Explanation** PSS cannot do fstat on a database

**Recommended Action** No action is required.

**Message** PSS-1-PSS\_VERSION\_MISMATCH: [chars]: found version mismatch in [chars]

**Explanation** PSS found a database whose format it cannot interpret due to version mismatch

**Recommended Action** The image upgrade was not done properly; write erase should cure it as a last step

## PSS-2

**Message** PSS-2-PSS\_INFRACONVERT: [chars]

**Explanation** Error in lib infra convert during pss conversion

**Recommended Action** No action is required.

**Message** PSS-2-PSS\_INVALID\_SIZE: [chars]: database [chars] ([chars]) has invalid size%ld (block size [dec])

**Explanation** PSS found a database with invalid size - probably due to a crash

**Recommended Action** No action is required.

**Message** PSS-2-PSS\_MISSING\_FILE: [chars]: database [chars] missing [chars] file

**Explanation** PSS database is incomplete; probably due to a crash

**Recommended Action** No action is required.

**Message** PSS-2-PSS\_RECOVERY\_FAILED: [chars]: failed to recover [chars]

**Explanation** PSS recovery failed

**Recommended Action** No action is required.

## PSS-4

**Message** PSS-4-PSS\_CLEANUP: [chars]: cleaning up [chars]

**Explanation** PSS removed a leftover or corrupted file

**Recommended Action** No action is required.

**Message** PSS-4-PSS\_RECOVERY\_ENDED: [chars]: recovered [chars] successfully

**Explanation** PSS recovery finished

**Recommended Action** No action is required.

**Message** PSS-4-PSS\_RECOVERY\_STARTED: [chars]: recovering [chars]: [dec] valid transactional records

**Explanation** PSS started recovery of previous aborted transaction

**Recommended Action** No action is required.

## PSS-5

**Message** PSS-5-PSS\_CONVERT\_FORMAT: [chars]: converting pss format: [chars]

**Explanation** PSS format is being converted

**Recommended Action** No action is required.

**Message** PSS-5-PSS\_CONVERT\_LAYOUT: [chars]: converting pss layout: [chars] (params [dec]/[dec]/[dec] -

**Explanation** PSS layout is being converted

**Recommended Action** No action is required.

**Message** PSS-5-PSS\_SHRINK: [chars]: shrinking pss: [chars]

**Explanation** PSS is being shrunk to remove free space

**Recommended Action** No action is required.

**Message** PSS-5-SDB\_CLOSED\_AT\_COMMIT: [chars]: sdb [chars] is closed: token [dec] is not committed

**Explanation** Publisher received SDB commit but sdb was already closed

**Recommended Action** No action is required.

## PTPLC Messages

### PTPLC-3

**Message** PTPLC-3-PTPLC\_PORT\_CFG\_FAILED: Configuration failed on port [hex], [chars]: [hex], [chars]

**Explanation** PTP interface configuration error

**Recommended Action** No action is required.

**Message** PTPLC-3-PTPLC\_PTP\_INTF\_CONFIG\_ERROR: Failed to configure PTP/PONG on port [dec]: [hex], [chars]

**Explanation** PTP interface configuration error

**Recommended Action** No action is required.

## PTP Messages

This section contains the PTP messages.

## PTP-5

**Message** PTP-5-PTP\_DISABLED: PTP disabled

**Explanation** PTP Service Enabled

**Recommended Action** No action is required.

**Message** PTP-5-PTP\_DOMAIN\_CHANGE: PTP domain changed to [dec]

**Explanation** PTP domain changed

**Recommended Action** No action is required.

**Message** PTP-5-PTP\_ENABLED: PTP enabled

**Explanation** PTP Service Enabled

**Recommended Action** No action is required.

## PTP-6

**Message** PTP-6-PTP\_ANNOUNCE\_INTERVAL\_CHANGE: PTP announce interval for [hex] changed to [dec]

**Explanation** PTP announce interval for [chars] changed

**Recommended Action** No action is required.

**Message** PTP-6-PTP\_ANNOUNCE\_TIMEOUT\_CHANGE: PTP announce timeout interval for [hex] changed to [dec]

**Explanation** PTP announce timeout interval for [chars] changed

**Recommended Action** No action is required.

**Message** PTP-6-PTP\_DELAY\_REQ\_INTERVAL\_CHANGE: PTP delay-req interval for [hex] changed to [dec]

**Explanation** PTP delay-req interval for [chars] changed

**Recommended Action** No action is required.



**Message** PTP-6-PTP\_PRIORITY1\_CHANGE: PTP priority1 changed to [dec]

**Explanation** PTP priority1 changed

**Recommended Action** No action is required.

**Message** PTP-6-PTP\_PRIORITY2\_CHANGE: PTP priority2 changed to [dec]

**Explanation** PTP priority2 changed

**Recommended Action** No action is required.

**Message** PTP-6-PTP\_SYNC\_INTERVAL\_CHANGE: PTP sync interval for [hex] changed to [dec]

**Explanation** PTP sync interval for [chars] changed

**Recommended Action** No action is required.

**Message** PTP-6-PTP\_VLAN\_CHANGE: PTP vlan for [hex] changed to [dec]

**Explanation** PTP vlan for [chars] changed

**Recommended Action** No action is required.

## PULSE Messages

This section contains the PULSE messages.

### PULSE-0

**Message** PULSE-0-EMERGENCY\_MSG: [chars]

**Explanation** Pulse Emergency Message

**Recommended Action** Please file the bug for Pulse Library Component through CDETS'

### PULSE-1

**Message** PULSE-1-ALERT\_MSG: [chars]

**Explanation** Pulse Alert Message

**Recommended Action** Pulse Internal Operation Alert

## PULSE-2

**Message** PULSE-2-CRITICAL\_MSG: [chars]

**Explanation** Pulse Critical Message

**Recommended Action** No action is required.

## PULSE-3

**Message** PULSE-3-ERROR\_MSG: [chars]

**Explanation** Pulse Message

**Recommended Action** No action is required.

## PULSE-4

**Message** PULSE-4-WARN\_MSG: [chars]

**Explanation** Pulse Warning Message

**Recommended Action** No action is required.

## PULSE-5

**Message** PULSE-5-NOTIF\_MSG: [chars]

**Explanation** Pulse Notification Message

**Recommended Action** No action is required.

## PULSE-6

**Message** PULSE-6-INFO\_MSG: [chars]

**Explanation** Pulse Informational Message

**Recommended Action** No action is required.

## PULSE-7

**Message** PULSE-7-DEBUG\_MSG: [chars]

**Explanation** Pulse Debug Message

**Recommended Action** No action is required.

## QD Messages

This section contains the QD messages.

### QD-3

**Message** QD-3-QD\_COSMAP\_TMO: Cos map update for [chars] timed out

**Explanation** Cos map update timed out.

**Recommended Action** No action is required.

## QOS Messages

This section contains the QOS messages.

### QOS-2

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

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

**Recommended Action** No action is required.

**Message** QOS-2-GENERAL\_ERROR: [chars]

**Explanation** The QOS Manager has encountered an critical error. The description of error is [str.].

**Recommended Action** No action is required.

**Message** QOS-2-INITFAIL: QoS Manager Initialization failed: [chars]

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

**Recommended Action** No action is required.

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

**Explanation** The QOS Manager could not allocate memory.

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

**Message** QOS-2-PSS\_ERROR: [chars]: PSS returned value=[dec]

**Explanation** The QOS Manager encountered error while operating on a persistent storage database.

**Recommended Action** No action is required.

**Message** QOS-2-STDOUT\_ROTATE\_FAILURE: Failed to rotate stdout file: [chars]

**Explanation** The QOS Manager has failed to rotate its current stdout file with filename [str.]. The file size could grow beyond its maximum limit.

**Recommended Action** No action is required.

## QOS-3

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

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

**Recommended Action** No action is required.

**Message** QOS-3-DBERROR: [chars]

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

**Recommended Action** No action is required.

**Message** QOS-3-E\_PORT\_ACL\_FAILURE: Failed to [chars] QoS ACL for interface [chars] (ACL return code=[hex])

**Explanation** The QOS Manager has failed to program or erase QoS related ACL when an E-Port came up or went down for interface [str.]. The error code returned by ACL module is [int.].

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

**Message** QOS-3-LICERR: [chars]

**Explanation** QoS Manager failed to get license.

**Recommended Action** No action is required.

**Message** QOS-3-MTSError: [chars]

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

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

**Message** QOS-3-UNKNOWN\_MSG: Received from Node=[dec] SAP=[dec]

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

**Recommended Action** No action is required.

## QOS-4

**Message** QOS-4-LICEXP: [chars]

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

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

## QOS-6

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

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

**Recommended Action** No action is required.

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

**Explanation** The QOS Manager became standby from active mode.

**Recommended Action** No action is required.

**Message** QOS-6-DISABLED\_UP\_MARKING: [chars]

**Explanation** The QoS Manager has disabled marking of time-critical control traffic as high-priority traffic. Priority of such traffic is now not altered by QoS Manager.

**Recommended Action** No action is required.

**Message** QOS-6-ENABLED\_UP\_MARKING: [chars]

**Explanation** The QoS Manager has enabled marking of time-critical control traffic as high-priority traffic.

**Recommended Action** No action is required.

**Message** QOS-6-EXCESSIVE\_DELAY: [chars]

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

**Recommended Action** No action is required.

**Message** QOS-6-E\_PORT\_ACL\_SUCCESS: Successfully [chars] QoS ACL for interface [chars]

**Explanation** The QoS Manager has successfully programmed or erased QoS related ACL when an E-Port came up or went down for interface [str.].

**Recommended Action** No action is required.

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

**Explanation** The QoS Manager was unable to send heartbeat to the system manager.

**Recommended Action** No action is required.

**Message** QOS-6-GENERAL\_EVENT: [chars]

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

**Recommended Action** No action is required.

**Message** QOS-6-MGRCREATED: QoS Manager created

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

**Recommended Action** No action is required.

**Message** QOS-6-MGREXIT: QoS Manager shutting down gracefully

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

**Recommended Action** No action is required.

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

**Explanation** One of the persistent information database of QOS Manager has been recreated.

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

**Message** QOS-6-SWITCHOVER: Switching Over to other Supervisor.

**Explanation** The QOS Manager has successfully switched over to the standby supervisor card.

**Recommended Action** No action is required.

**Message** QOS-6-UNKNOWNMTS: QoS Manager received an unexpected message

**Explanation** QoS Manager received an unexpected message.

**Recommended Action** No action is required.

## R2D2\_USD Messages

This section contains the R2D2\_USD messages.

### R2D2\_USD-2

**Message** R2D2\_SYSLOG\_LOG\_CRIT: Disabling R2D2 interrupt using EEM

**Explanation** Gross interrupt threshold exceeded for asic instance. So interrupts have been disabled permanently on the MAC asic.

**Recommended Action** Reload the module or reload the SUP will recover.



## R2D2\_USD-6

**Message** R2D2\_USD-6-R2D2\_SYSLOG\_INFO: [chars]

**Explanation** R2D2 log message

**Recommended Action** No action is required.

## RADIUS Messages

This section contains the RADIUS messages.

### RADIUS-2

**Message** RADIUS-2-RADIUS\_NO\_AUTHEN\_INFO: ASCII authentication not supported

**Explanation** ASCII authentication not supported.

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

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

**Explanation** RADIUS daemon is exiting.

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

### RADIUS-3

**Message** RADIUS-3-RADIUS\_ERROR\_MESSAGE: [chars]

**Explanation** RADIUS Message

**Recommended Action** No action is required.

### RADIUS-4

**Message** RADIUS-4-RADIUS\_WARNING: [chars]

**Explanation** RADIUS Warning

**Recommended Action** No action is required.

## RADIUS-5

**Message** RADIUS-5-RADIUS\_MONITOR\_STATUS: [chars] [chars]

**Explanation** Notifying Radius server monitor status change

**Recommended Action** No action is required.

**Message** RADIUS-5-RADIUS\_NOTIFICATION: [chars]

**Explanation** RADIUS Notification

**Recommended Action** No action is required.

**Message** RADIUS-5-RADIUS\_SERVER\_STATUS: [chars] server [chars] with auth-port [dec] and acct-port [dec] status has changed from [chars] to [chars]. Server was in previous-state for [chars], and total dead time of the server is [chars]

**Explanation** Notifying Radius server status change

**Recommended Action** No action is required.

## RADIUS-6

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

**Explanation** Accounting Message

**Recommended Action** No action is required.

**Message** RADIUS-6-RADIUS\_MESSAGE: [chars]

**Explanation** RADIUS Message

**Recommended Action** No action is required.

## RDL Messages

This section contains the RDL messages.

## RDL-2

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

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

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

## RDL-3

**Message** RDL-3-SYSLOG\_ALLOC\_FAIL: [chars]

**Explanation** RDL memory allocation failed: [chars].

**Recommended Action** No action is required.

**Message** RDL-3-SYSLOG\_CONTEXT\_ERR: [chars] [dec]

**Explanation** RDL context error: [chars] [dec].

**Recommended Action** No action is required.

**Message** RDL-3-SYSLOG\_ERR:: [chars]

**Explanation** RDL syslog errors: [chars].

**Recommended Action** No action is required.

**Message** RDL-3-SYSLOG\_EXIT: [chars]

**Explanation** RDL exiting on errors: [chars].

**Recommended Action** No action is required.

**Message** RDL-3-SYSLOG\_INIT\_FAIL: [chars] [chars]

**Explanation** RDL Initialization Failed: [chars] [chars].

**Recommended Action** No action is required.

**Message** RDL-3-SYSLOG\_MTS\_ERR: [chars]

**Explanation** RDL MTS errors: [chars].

**Recommended Action** No action is required.

## RDL-6

**Message** RDL-6-INFORMATION: [chars]

**Explanation** An event happened that affects RDL. [chars] indicates the event

**Recommended Action** No action is required.

**Message** RDL-6-PSS\_ERR: [chars]

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

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

**Message** RDL-6-SYSLOG\_DEBUG\_1:: [chars] [hex]

**Explanation** RDL Debug logs: [chars] [dec].

**Recommended Action** No action is required.

**Message** RDL-6-SYSLOG\_DEBUG\_2:: [chars] [hex]

**Explanation** RDL Debug logs: [chars] [dec].

**Recommended Action** No action is required.

**Message** RDL-6-SYSLOG\_INFO:: [chars]

**Explanation** RDL Debug logs: [chars].

**Recommended Action** No action is required.

**Message** RDL-6-SYSLOG\_RESP\_RCVD:: [chars] [dec]

**Explanation** RDL context error: [chars] [dec].

**Recommended Action** No action is required.

## RES\_MGR Messages

This section contains the RES\_MGR messages.

### RES\_MGR-1

**Message** RES\_MGR-1-RES\_MGR\_HA\_ERR: HA sync message received for resource [dec] which does not exist

**Explanation** RES\_MGR Received HA msg for resource which does not exist Please check standby status and restart standby to recover

**Recommended Action** No action is required.

### RES\_MGR-2

**Message** RES\_MGR-2-RES\_MGR\_CONFLICTING\_RESOURCE\_KEYS: The [chars] resource key [dec] from node [dec] is conflicting with other nodes.

**Explanation** The user should try and release the conflicting resource.

**Recommended Action** No action is required.

**Message** RES\_MGR-2-RES\_MGR\_CRIT: RES\_MGR Critical: [chars]

**Explanation** RES\_MGR generic critical condition

**Recommended Action** No action is required.

**Message** RES\_MGR-2-RES\_MGR\_HA\_PSS\_ERR: HA sync message received for resource [dec] with wrong pss type [dec]

**Explanation** RES\_MGR Received HA msg for resource which does not exist Please check standby status and restart standby to recover

**Recommended Action** No action is required.

## RES\_MGR-3

### Message

ES\_MGR-3-RES\_MGR\_RES\_ALREADY\_EXCEEDED: The VDC [dec] is currently already using more [chars] resources (total: [dec]) than the desired new maximum limit ([dec])

**Explanation** A limit-resource command was issued such that a VDC would be a forbidden state if we obeyed, having already allocated more resources than the new maximum limit

**Recommended Action** No action is required.

Message RES\_MGR-3-RES\_MGR\_RES\_MAX\_LOWER\_THAN\_MIN: The maximum limit for [chars] resources is not allowed to be less than the minimum limit

**Explanation** A limit-resource command was issued such that the desired maximum limit was lower than the desired minimum limit

**Recommended Action** No action is required.

Message RES\_MGR-3-RES\_MGR\_RES\_TOO\_HIGH: Limits for [chars] resources are not allowed to be set as high

**Explanation** A limit-resource command was issued such that a desired limit could not be set because of static policies

**Recommended Action** No action is required.

Message RES\_MGR-3-RES\_MGR\_RES\_UNAVAIL: Missing [dec] [chars] resources currently available to satisfy the minimum limit requested for vdc [dec]

**Explanation** A limit-resource command was issued such that the desired minimum limit could not be set because of static policies

**Recommended Action** No action is required.

## RES\_MGR-4

Message RES\_MGR-4-RES\_MGR\_MAX\_ALLOWED\_VDCS\_HAS\_DECREASED: The maximum number of allowed VDCs has decreased from [dec] to [dec] since binary config was saved.

**Explanation** When startup config was saved, more VDCs were allowed in the system.

**Recommended Action** No action is required.

**Message** RES\_MGR-4-RES\_MGR\_RES\_ALREADY\_EXCEEDED\_BUT\_NOT\_ENFORCED: The VDC [dec] is currently already using more [chars] resources (total: [dec]) than the desired new maximum limit ([dec]) You may experience some route loss upon switchover, when the new limits will actually take effect.

**Explanation** A limit-resource command was issued such that a VDC may not have enough memory for holding the current amount of routing entries when the new limits will be enforced upon switchover

**Recommended Action** No action is required.

**Message** RES\_MGR-4-RES\_MGR\_SC\_PSS\_PCW\_NETADMIN: Performing partial config write for resource [chars] in vdc [dec]

**Explanation** A copy running-config startup-config command was issued from a local admin resource limits for the specified resource in the specified vdc had to be saved as a side-effect of it

**Recommended Action** No action is required.

**Message** RES\_MGR-4-RES\_MGR\_SC\_PSS\_PCW: Performing partial config write for resource [chars]

**Explanation** A copy running-config startup-config command was issued from another VDC resource limits for the specified resource had to be saved as part of it

**Recommended Action** No action is required.

**Message** RES\_MGR-4-RES\_MGR\_UNEXPECTED\_MSG\_LEN: The size of this message was expected to be [dec] ([dec] keys of [dec] size with a [dec] bytes header) and instead was [dec].

**Explanation** A message of unexpected length was received.

**Recommended Action** No action is required.

**Message** RES\_MGR-4-RES\_MGR\_VLAN\_RESERVED\_RANGE\_UNAVAILABLE: System is running with limited functionality due to restricted reserved vlan range 3968-4047 should be 3968-4096.

**Explanation** User should delete VLANS in range 4048-4093 and use following command: system vlan 3968 reserve

**Recommended Action** No action is required.

## RES\_MGR-5

**Message** RES\_MGR-5-RES\_MGR\_DISABLED: RES\_MGR Disabled

**Explanation** RES\_MGR Service Disabled

**Recommended Action** No action is required.

**Message** RES\_MGR-5-RES\_MGR\_ENABLED: RES\_MGR Enabled

**Explanation** RES\_MGR Service Enabled

**Recommended Action** No action is required.

## RES\_MGR-6

**Message** RES\_MGR-6-RES\_MGR\_CONDITION\_VERIFIED: error [hex] [[chars]] during  
sysmgrcb\_vdc\_handshake\_done() for vdc [dec]

**Explanation** RES\_MGR is spotting some issue when VDC got created

**Recommended Action** No action is required.

## RIB Messages

This section contains the RIB messages.

### RIB-0

**Message** RIB-0-EMERG: [chars]

**Explanation** Rib caused a system failure

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

### RIB-1

**Message** RIB-1-ALERT: [chars]

**Explanation** Rib caused failures in other services

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



**Message** RIB-1-LCM\_FIB\_ERR: RIB failed LC insertion

**Explanation** RIB stopped linecard from coming online due to error received from FIB during merge operation

**Recommended Action** Check RIB error logs to see error received from FIB

## RIB-2

**Message** RIB-2-CRIT: [chars]

**Explanation** Rib encountered a catastrophic error

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

## RIB-3

**Message** RIB-3-ERR: [chars]

**Explanation** Rib encountered an error

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

**Message** RIB-3-FIB\_EXIT: fib exited

**Explanation** Fib had exited and may not continue operation

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

**Message** RIB-3-MISS\_APPS: Missing response from service

**Explanation** Service not responding to rib

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

**Message** RIB-3-NO\_MEM: Out of memory

**Explanation** Rib does not have enough memory to continue proper operation.

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

**Message** RIB-3-SEND\_FIB: Cannot talk to fib

**Explanation** Rib to fib IPC failure

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

**Message** RIB-3-SEND\_SNMP: Cannot respond to snmp

**Explanation** Rib to snmp IPC failure

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

**Message** RIB-3-SEND\_STANDBY: Cannot talk to standby rib

**Explanation** Lost a rib-fib transaction log due to IPC failure

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

## RIB-4

**Message** RIB-4-CPU\_HOG: Inactive or busy

**Explanation** Either rib was not scheduled to run, or rib was busy, and rib did not service the message or timer queue for an extended period.

**Recommended Action** Please perform debug rib error', then recreate the operation scenario, to find out more details.'

**Message** RIB-4-DUP\_FIB: Duplicate response from fib

**Explanation** Rib ignored duplicate response from fib

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

**Message** RIB-4-LATE\_FIB: Late response from fib

**Explanation** Rib ignored late response from fib

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

**Message** RIB-4-PC\_LIMIT: PC number greater than 128 (ignored by RIB)

**Explanation** Rib ignored pc

**Recommended Action** Please use PC number < 128 >

**Message** RIB-4-WARN: [chars]

**Explanation** Rib ignored the unexpected condition

**Recommended Action** Please perform debug rib error, then recreate the operation scenario, to find out more details.

## RIB-5

**Message** RIB-5-NOTE: [chars]

**Explanation** Rib does not support this operation

**Recommended Action** Please perform debug rib error, then recreate the operation scenario, to find out more details.

## RIB-6

**Message** RIB-6-INFO: [chars]

**Explanation** Rib event occurred

**Recommended Action** No action is required.

## RLIR Messages

This section contains the RLIR messages.

### RLIR-2

**Message** RLIR-2-DRLIR\_REJECT: DRLIR rejected: [chars]: fcid [chars], reason code [dec]

**Explanation** DRLIR rejected: [chars] fcid [chars] reason code [dec]

**Recommended Action** No action is required.

**Message** RLIR-2-FC2\_FAILED: RLIR FC2 operation failed: [chars]: [chars]

**Explanation** RLIR FC2 operation failed: [chars] [chars]

**Recommended Action** No action is required.

**Message** RLIR-2-INIT\_FAILED: RLIR Init failed: [chars]

**Explanation** RLIR Init failed: [chars]

**Recommended Action** No action is required.

**Message** RLIR-2-LINK\_INCIDENT: Interface [chars] [Port [hex]], Link Status: [chars], Link Status Reason: [chars]

**Explanation** RLIR module detected an unintentional Link Incident

**Recommended Action** No action is required.

**Message** RLIR-2-MALLOC\_FAILED: RLIR Malloc failed: [chars]

**Explanation** RLIR Malloc failed: [chars]

**Recommended Action** No action is required.

**Message** RLIR-2-MTS\_FAILED: RLIR MTS operation failed: [chars]: [chars]

**Explanation** RLIR MTS operation failed: [chars] [chars]

**Recommended Action** No action is required.

**Message** RLIR-2-PSS\_FAILED: RLIR PSS operation failed: [chars]: [chars]

**Explanation** RLIR PSS operation failed: [chars] [chars]

**Recommended Action** No action is required.

## RLIR-6

**Message** RLIR-6-SYSLOG\_INFO: RLIR Syslog info: [chars]

**Explanation** RLIR Syslog info: [chars]

**Recommended Action** No action is required.

**Message** RLIR-6-SYSLOG\_STATUS: RLIR Syslog status: [chars]: [chars]

**Explanation** RLIR Syslog status: [chars] [chars]

**Recommended Action** No action is required.

## RM Messages

This section contains the RM messages.

### RM-6

**Message** RM-6-RMGR\_INFO: [chars]

**Explanation** RMGR daemon informational message

**Recommended Action** No action is required.

**Message** RM-6-STARTING: daemon started

**Explanation** The RMGR daemon successfully started

**Recommended Action** No action is required.

### RM-SLOT#-2

**Message** RM-SLOT#-2-CPP\_CATASTROPHIC\_ERROR: ERROR: Component ([chars]) caused critical error. Service Module will be reloaded

**Explanation** Component caused critical error

**Recommended Action** Restart the linecard

**Message** RM-SLOT#-2-RM\_CPP\_RELOAD\_TMOUT: ERROR: Component ([chars]) timed out for critical error response. Service Module will be reloaded

**Explanation** Component critical error timeout

**Recommended Action** No action is required.

**Message** RM-SLOT#-2-RM\_CRITICAL\_ALERT: [chars]

**Explanation** Critical Alert

**Recommended Action** Restart the linecard

**Message** RM-SLOT#-2-RM\_PROCESS\_FAILED: ERROR: [chars] failed

**Explanation** Process failed

**Recommended Action** No action is required.

**Message** RM-SLOT#-2-RM\_PROCESS\_TMOUT: ERROR: [chars] did not complete. Reloading Service Module

**Explanation** Component critical error timeout

**Recommended Action** No action is required.

**Message** RM-SLOT#-2-RM\_VICPP\_RECREATE\_ERROR: All the fast path resources are down VICPP connectivity lost

**Explanation** Component caused critical error

**Recommended Action** Restart the linecard

## RM-SLOT#-4

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

**Explanation** Warning

**Recommended Action** No action is required.

## RSCN Messages

This section contains the RSCN messages.

### RSCN-2

**Message** RSCN-2-FC2\_FAILED: RSCN FC2 operation failed: [chars]: [chars]

**Explanation** RSCN FC2 operation failed: [chars] [chars]

**Recommended Action** No action is required.

**Message** RSCN-2-INIT\_FAILED: RSCN Init failed: [chars]

**Explanation** RSCN Init failed: [chars]

**Recommended Action** No action is required.

**Message** RSCN-2-MALLOC\_FAILED: RSCN Malloc failed: [chars]

**Explanation** RSCN Malloc failed: [chars]

**Recommended Action** No action is required.

**Message** RSCN-2-MTS\_FAILED: RSCN MTS operation failed: [chars]: [chars]

**Explanation** RSCN MTS operation failed: [chars] [chars]

**Recommended Action** No action is required.

**Message** RSCN-2-SCR\_REJECT: SCR rejected: [chars]: fcid [chars], Reason code-[chars], Reason code expl-[chars]

**Explanation** SCR rejected: [chars] fcid [chars] Reason code [chars] Reason code expl [chars]

**Recommended Action** No action is required.

## RSCN-3

**Message** RSCN-3-PSS\_FAILED: RSCN PSS operation failed: [chars]: [chars]

**Explanation** RSCN PSS operation failed: [chars] [chars]

**Recommended Action** No action is required.

## RSCN-4

**Message** RSCN-4-RSCN\_REJECT: RSCN rejected: [chars]: fcid [chars], Reason code-[chars], Reason code expl-[chars]

**Explanation** RSCN rejected: [chars] fcid [chars] Reason code [chars] Reason code expl [chars]

**Recommended Action** No action is required.

**Message** RSCN-4-SWRSCN\_REJECT: SW-RSCN rejected: [chars]: fcid [chars], Reason code-[chars], Reason code expl-[chars]

**Explanation** SW-RSCN rejected: [chars] fcid [chars] Reason code [chars] Reason code expl [chars]

**Recommended Action** No action is required.

## RSCN-6

**Message** RSCN-6-SYSLOG\_INFO: RSCN Syslog info: [chars]

**Explanation** RSCN Syslog info: [chars]

**Recommended Action** No action is required.

**Message** RSCN-6-SYSLOG\_STATUS: RSCN Syslog status: [chars]: [chars]

**Explanation** RSCN Syslog status: [chars] [chars]

**Recommended Action** No action is required.