



## S to T

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This chapter includes system messages for the Cisco NX-OS MDS 9000 and Nexus 7000 families of switches. The messages are listed in alphabetical order by the system facility that produces them. Within each system facility section, messages are listed alphabetically by severity and mnemonics. Each message is followed by an explanation and a recommended action.

### SABRE\_APP Messages

This section contains the SABRE\_APP messages.

#### SABRE\_APP-SLOT#-2

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

**Explanation** Sabre driver application exited

**Recommended Action** No action is required.

### SAC\_USD Messages

This section contains the SAC\_USD messages.

#### SAC\_USD-2

**Message** SAC\_USD-2-JTAG\_CHECK\_FAILED: Xbar Driver JTAG ID check failed for slot:[dec] asic:[dec]

**Explanation** Xbar Driver JTAG ID check failed

**Recommended Action** No action is required.

**Message** SAC\_USD-2-SAC\_ACCESS\_FAILED: Xbar Driver Failed to access reg for [chars]

**Explanation** Xbar Driver Access failed

**Recommended Action** No action is required.

**Message** SAC\_USD-2-SAC\_CATASTROPHIC: Xbar Driver catastrophic failure: [chars]

**Explanation** Xbar Driver catastrophic error

**Recommended Action** No action is required.

**Message** SAC\_USD-2-SAC\_INTR\_OCCURRED: Xbar ASIC interrupt occurred: [chars]

**Explanation** Interrupt occurred

**Recommended Action** No action is required.

**Message** SAC\_USD-2-SAC\_INTR\_THRESHLD: Xbar ASIC interrupt threshold reached:  
[chars]

**Explanation** Interrupt threshold reached

**Recommended Action** No action is required.

**Message** SAC\_USD-2-SAC\_INTR: Xbar ASIC interrupt occurred: [chars]

**Explanation** Interrupt occurred on the xbar

**Recommended Action** No action is required.

**Message** SAC\_USD-2-SAC\_MALLOC\_FAILED: Xbar Driver memory allocation failed

**Explanation** Xbar Driver Access failed

**Recommended Action** No action is required.

**Message** SAC\_USD-2-SHUTDOWN: Xbar Driver software process exiting: [chars]

**Explanation** Xbar Driver shutting down

**Recommended Action** No action is required.

**Message** SAC\_USD-2-SYNC\_FAILED: Xbar Driver sync failed: [chars]

**Explanation** Xbar Driver Sync failed for the xbar channel

**Recommended Action** No action is required.

## SAC\_USD-3

**Message** SAC\_USD-3-EN\_DATA\_FAILED: Xbar Driver enable data failed for slot:[dec] asic:[dec] channel:[hex]

**Explanation** Xbar Driver Enable Data path failed for the xbar channel

**Recommended Action** No action is required.

**Message** SAC\_USD-3-FPOE\_DB\_ECC: Xbar Driver FPOE DB ECC error in [chars]

**Explanation** FPOE DB ECC error

**Recommended Action** No action is required.

## SAC\_USD-5

**Message** SAC\_USD-5-STARTING: Xbar Driver process starting

**Explanation** Xbar Driver process is being started

**Recommended Action** No action is required.

**Message** SAC\_USD-5-XBAR\_FLOW\_CTRL\_DIS\_EN: XBAR Multicast Flow Control [chars]

**Explanation** Sacramento xbar multicast flow control on Stage3 ports

**Recommended Action** No action is required.

## SAC\_USD-6

**Message** SAC\_USD-6-DIS\_DATA: Xbar Driver disable datapath done for slot:[dec] asic:[dec] channel:[hex]

**Explanation** Disabled Data path successfully for the xbar channel

**Recommended Action** No action is required.

**Message** SAC\_USD-6-EN\_DATA: Xbar Driver enable datapath done for slot:[dec] asic:[dec] channel:[hex]

**Explanation** Enabled Data path successfully for the xbar channel

**Recommended Action** No action is required.

**Message** SAC\_USD-6-SAC\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

**Message** SAC\_USD-6-SPINE\_HW\_INIT: Xbar Driver HW initialization has been done for Fabric-Slot:[dec] Asic:[dec]

**Explanation** Xbar Driver HW initialization has been called [dec]

**Recommended Action** No action is required.

**Message** SAC\_USD-6-SYNC\_DONE: Xbar Driver sync done for slot:[dec] asic:[dec] channel:[hex]

**Explanation** Sync Completed successfully for the xbar channel

**Recommended Action** No action is required.

## SAL Messages

This section contains the SAL messages.

### SAL-5

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

**Explanation** SAL Service Disabled

**Recommended Action** No action is required.

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

**Explanation** SAL Service enabled

**Recommended Action** No action is required.

## SANTAP Messages

This section contains the SANTAP messages.

## SANTAP-SLOT#-2

**Message** SANTAP-SLOT#-2-AVT\_CREATE\_FAILED: AVT PWWN: [chars], NWWN: [chars], Vsan: [dec], Host: [chars], Tgt: [chars], TgtVsan: [dec], RC: [chars]

**Explanation** AVT create failed because sanity check failed. Please check reason code for exact failure.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-AVT\_SCSI\_FAILED: AVT PWWN: [chars], Host: [chars], AVT Lun: 0x%Ld AVT Vsan: [dec], OPC: [hex] RC: [chars]

**Explanation** SCSI command to AVT is invalid Please check reason code for exact failure.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-COMMIT\_FAILED: Commit Failed, status: [dec] token = [dec], vtUId = 0x%Lx, lunId = 0x%Lx

**Explanation** ISAPI Commit Failed, number of ITLs exceeded limit for the DPP

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-CVT\_CREATE\_FAILED: CVT PWWN: [chars], NWWN: [chars], Vsan: [dec], RC: [chars]

**Explanation** CVT create failed because sanity check failed. Please check reason code for exact failure.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-DVT\_CREATE\_FAILED: DVT PWWN: [chars], FEVsan: [dec], BEVsan: [dec], io\_tmo: [dec], app\_io\_tmo: [dec], RC: [chars]

**Explanation** DVT create failed because sanity check failed. Please check reason code for exact failure.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-DVT\_DELETE\_FAILED: DVT PWWN: [chars], RC: [chars]

**Explanation** DVT delete failed. Please check reason code for exact failure.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-DVT\_LUN\_CREATE\_FAILED: DVT: [chars], Host: [chars], DVTLun: 0x%LX, TGTlun: 0x%LX, HIIndex: [dec], Expected HIIndex: [dec], RC: [chars]

**Explanation** DVT LUN create failed because of sanity checks. Please check reason code for exact failure

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-FIT\_EXISTS\_ON\_DIFFERENT\_DPP\_ERR: CONFIG Error: Cannot Create FIT on DPP [dec] for DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Same Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] is logged in to another DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] on a different DPP [dec]

**Explanation** Same HOST cannot log into two DVTs which are on different DPPs

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-FIT\_EXISTS\_ON\_DIFFERENT\_PORT\_ERR: CONFIG Error: Cannot Create FIT on Ifindex [hex]. Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] logged in to DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] on a different if index [hex]

**Explanation** Same HOST cannot log into two DVTs which are on different ports

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-HOST\_PWWN\_EXISTS\_IN\_BE\_VSAN: WARNING:: Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] Exists in BackEnd Vsan [dec], cannot create FIT for DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]

**Explanation** FIT cannot be created, as Host exists in the Backend Vsan.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-INTERNAL\_ERR: [chars]

**Explanation** Santap Internal Error

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ISAPI\_CRIT\_PROCESS\_CRASH: [chars]. [chars]. SANTAP VM Size: [dec]kB

**Explanation** ISAPI critical error - process crash.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-PSS\_DELETE\_AVT\_REC: AVT PWWN: [chars], NWWN: [chars], Vsan: [dec], Host: [chars], Tgt: [chars], TgtVsan: [dec], RC: [chars]

**Explanation** AVT PSS record is deleted because sanity check failed. Please check reason code for exact failure.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-PSS\_DELETE\_CVT\_REC: CVT PWWN: [chars], NWWN: [chars], Vsan: [dec], RC: [chars]

**Explanation** CVT PSS record is deleted because sanity check failed. Please check reason code for exact failure.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-PSS\_DELETE\_DVT\_REC: DVT PWWN: [chars], FEvsan: [dec], BEVsan: [dec], io\_tmo: [dec], app\_io\_tmo: [dec], RC: [chars]

**Explanation** DVT PSS record is deleted because sanity check failed. Please check reason code for exact failure.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-SANTAP\_UNPROVISIONING\_NOT\_SUPPORTED\_DURING\_PSS\_RECOVERY: Santap can not be unprovisioned during pss recovery. Please wait for Santap to recover and retry.

**Explanation** Santap can not be unprovisioned during pss recovery. Please wait for Santap to recover and retry.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-SANTAP\_VERSION\_NOT\_SUPPORTED: Santap feature is not supported in this version of NX-OS. Please refer to NX-OS release notes for more detail.

**Explanation** Santa feature is not supported in this version of NX-OS. Please refer to NX-OS release notes for more detail.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_AVT\_DELETED: Santap: AVT [hex] : [hex] : [hex] : [hex] : [hex] : [hex] : [hex] : [hex] (avt vsan [dec]) deleted

**Explanation** Santap AVT is deleted as part of Unprovisioning or VSAN Delete

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_AVT\_LUN\_DELETED: Santap: AVT  
 [hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex] (avt lun 0x%Lx) deleted

**Explanation** Santap avt lun is deleted as part of Previsioning or VSAN Delete or CLI

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_CVT\_DELETED: Santap: CVT  
 [hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex] (cvt vsan [dec], name [chars])  
 deleted

**Explanation** Santap CVT is deleted as part of Unprovisioning or VSAN Delete

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_DVT\_DELETED: Santap: DVT  
 [hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex] (FE vsan [dec], BE vsan [dec])  
 deleted

**Explanation** Santap DVT is deleted as part of Unprovisioning or VSAN Delete

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_GLOBAL\_DUPLICATE\_AVT\_REC: PSS Error: Deleting  
 duplicate AVT %Lx PSS record

**Explanation** Duplicate AVT Error

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_GLOBAL\_DUPLICATE\_CVT\_IN\_VSAN: PSS Error: VSAN: [dec]  
 already has CVT %Lx. Deleting CVT %Lx PSS record

**Explanation** Multiple CVT in VSAN Error

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_GLOBAL\_DUPLICATE\_DVT\_REC: PSS Error: Deleting  
 duplicate DVT %Lx PSS record

**Explanation** Duplicate DVT Error

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_GLOBAL\_NO\_DVT\_AVT\_ERR: DVT %Lx does not exist for AVT

**Explanation** No DVT for AVT Error

**Recommended Action** No action is required.



**Message** SANTAP-SLOT#-2-ST\_GLOBAL\_NO\_HIFIT\_AVT\_ERR: HI %Lx does not exist for AVT %Lx

**Explanation** No HI for AVT Error

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_GLOBAL\_NO\_VSAN\_DEL\_AVT: PSS Error: VSAN: [dec] deleted. Deleting AVT %Lx PSS record

**Explanation** VSAN Deleted Error

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_GLOBAL\_NO\_VSAN\_DEL\_CVT: PSS Error: VSAN: [dec] deleted. Deleting CVT %Lx PSS record

**Explanation** VSAN Deleted Error

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_GLOBAL\_NO\_VSAN\_DEL\_DVT: PSS Error: VSAN: [dec] deleted. Deleting DVT %Lx PSS record

**Explanation** VSAN Deleted Error

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_HOST\_PURGED\_FROM\_DVT: Santap: Host [hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex] removed from DVT [hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex] (FE vsan [dec], BE vsan [dec]).

**Explanation** Santap Host Initiator is removed from DVT

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_MAX\_32BIT\_LUNS\_PER\_HOST\_REACHED: MAX\_32bit\_LUNS\_PER\_HOST([dec]) limit reached for Host [hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex], DVT [hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex]: [hex]. Cannot Install Lun 0x%Lx

**Explanation** System limit reached for the number of Luns per Host. More Luns cannot be added at this point.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_MAX\_DVT\_LUNS\_PER\_LC\_REACHED:  
 MAX\_DVT\_LUNS\_PER\_LC([dec]) limit reached. Host  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], Cannot Install Lun 0x%Lx

**Explanation** System limit reached for the number of Luns per LC. More Luns cannot be added at this point.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_MAX\_HOSTS\_PER\_DVT\_REACHED: MAX\_HOST\_PER\_DVT([dec])  
 limit reached for DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Reject  
 Plogi/Prli from Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]

**Explanation** System limit reached for the number of Hosts logging into DVT. More Hosts cannot be configured at this point.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_MAX\_ITLS\_PER\_DPP\_REACHED: MAX\_LUNS\_PER\_DPP([dec])  
 limit reached on DPP [dec] for Host  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Cannot Install Lun 0x%Lx

**Explanation** System limit reached for the number of ITLs per DPP. More Luns cannot be added at this point.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_MAX\_LUNS\_PER\_DVT\_REACHED: MAX\_LUNS\_PER\_DVT([dec])  
 limit reached for Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Cannot Install Lun 0x%Lx

**Explanation** System limit reached for the number of Luns per DVT. More Luns cannot be added at this point.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_MAX\_LUNS\_PER\_HOST\_REACHED: MAX\_LUNS\_PER\_HOST([dec])  
 limit reached for Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Cannot Install Lun 0x%Lx

**Explanation** System limit reached for the number of Luns per Host. More Luns cannot be added at this point.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_REPORT\_LUNS\_FAILED\_ZONE\_MISCONFIG: ZONE MISCONFIG: Report Luns Failed for Host: [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], Tgt: [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], dd-sts [hex], scsi-sts [hex], isapi-sts [hex]

**Explanation** Report Luns Failed for the specified Host, Target pair due to missing zone. Please check the zone configuration.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_REPORT\_LUNS\_FAILED: Report Luns Failed for Host: [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], Tgt: [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], dd-sts [hex], scsi-sts [hex], isapi-sts [hex]

**Explanation** Report Luns Failed for the specified Host, Target pair. Please check the configuration.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-2-ST\_SES\_DELETED: Santap: Ses [dec] deleted

**Explanation** Santap ses is deleted as part of Unprovisioning or VSAN Delete or CLI

**Recommended Action** No action is required.

## SANTAP-SLOT#-4

**Message** SANTAP-SLOT#-4-INTERNAL\_WARNING: [chars]

**Explanation** Santap Internal Warning

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-4-ST\_16\_BIT\_LUNS\_PRESENT: 16 Bit luns installed (current num luns [dec]) for Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Cannot Install Lun 0x%Lx !!

**Explanation** Cannot Install 16bit and 32 bit luns for the same Host-Target pair

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-4-ST\_32\_BIT\_LUNS\_PRESENT: 32 Bit luns installed (current num luns [dec]) for Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Cannot Install Lun 0x%Lx !!

**Explanation** Cannot Install 16 bit and 32 bit luns for the same Host-Target pair

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-4-ST\_LUN\_BLK\_SIZE\_GREATER\_THAN\_FIVE\_TWELVE: Lun Block Size 0x%Lx detected is greater than 512 for Host  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], Lun 0x%Lx. Cannot Install this Lun.

**Explanation** Santap does not support Luns with block size greater than 512

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-4-ST\_LUN\_DEVICE\_TYPE\_NOT\_SUPPORTED: Lun Device Type [dec] detected is not supported for Host  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], Lun 0x%Lx. Cannot Install this Lun.

**Explanation** Santap does not support devices other than DASD and ArrCntl.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-4-ST\_LUN\_SIZE\_GREATER\_THAN\_2\_POW\_48: Lun Size 0x%Lx detected is greater than 2 power 48 for Host [hex]:[hex]:[hex], DVT  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], Lun 0x%Lx. Cannot Install this Lun.

**Explanation** Santap does not support Luns greater than 2 power 48

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-4-ST\_MISSING\_LUN\_IN\_TARGET\_AVT\_LUN\_EXISTS: Warning: Lun 0x%Lx deleted on Target but AVT LUN 0x%Lx exists for Host  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], AVT  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]

**Explanation** Please remove relevant avtluns, as Lun no longer exists on Target

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-4-ST\_MISSING\_LUN\_IN\_TARGET\_SES\_EXISTS: Warning: Lun 0x%Lx deleted on Target but Session [dec] exists for Host  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT  
 [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]

**Explanation** Please remove relevant sessions, as Lun no longer exists on Target

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-4-ST\_NEAR\_MAX\_HOSTS\_PER\_DVT: Warning: Approaching MAX\_HOSTS\_PER\_DVT([dec]) for DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Existing num hosts [dec]

**Explanation** Please be wary of the number of hosts logging in.

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-4-ST\_NEAR\_MAX\_LUNS\_PER\_HOST: Warning: Approaching MAX\_LUNS\_PER\_HOST([dec]) limit for Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex], DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Existing num luns [dec]

**Explanation** Please be wary of the number of luns configured for this host.

**Recommended Action** No action is required.

## SANTAP-SLOT#-5

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

**Explanation** SANTAP notification.

**Recommended Action** No action is required.

## SANTAP-SLOT#-6

**Message** SANTAP-SLOT#-6-FIT\_CREATE\_ERROR\_TARGET\_OFFLINE: Target Offline, Cannot Create FIT in vsan [dec] for Host [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] and DVT [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]

**Explanation** FIT Cannot be created as the target is offline

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-6-ST\_MASK\_PACING\_COUNTER\_RESET: Current outstanding MO [dec] EMI [dec] MAO [dec] reset counter [dec] pacing? [dec] current thresholds MO [dec] EMI [dec] MAO [dec]

**Explanation** User has reset avt lun mask pacing counter

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-6-ST\_MASK\_PACING\_DISABLED: Current outstanding MO [dec] EMI [dec] MAO [dec] reset counter [dec] current thresholds MO [dec] EMI [dec] MAO [dec]

**Explanation** User has disabled avt lun mask pacing

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-6-ST\_MASK\_PACING\_ENABLED: Current outstanding MO [dec] EMI [dec] MAO [dec] reset counter [dec] current thresholds MO [dec] EMI [dec] MAO [dec]

**Explanation** User has enabled avt lun mask pacing

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-6-ST\_MASK\_PACING\_EXCL\_MASK\_IN\_PARAM\_MODIFIED: Current outstanding MO [dec] EMI [dec] MAO [dec] reset counter [dec] pacing? [dec] new thresholds MO [dec] EMI [dec] MAO [dec]

**Explanation** User has modified excl mask in threshold

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-6-ST\_MASK\_PACING\_MASK\_ALL\_OUT\_PARAM\_MODIFIED: Current outstanding MO [dec] EMI [dec] MAO [dec] reset counter [dec] pacing? [dec] new thresholds MO [dec] EMI [dec] MAO [dec]

**Explanation** User has modified mask all out threshold

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-6-ST\_MASK\_PACING\_MASK\_OUT\_PARAM\_MODIFIED: Current outstanding MO [dec] EMI [dec] MAO [dec] reset counter [dec] pacing? [dec] new thresholds MO [dec] EMI [dec] MAO [dec]

**Explanation** User has modified mask out threshold

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-6-ST\_RECOVER\_VSAN\_DATABASE: Attempting VSAN database resync

**Explanation** Santap force recovery of vsans has been attempted by user. This will attempt to bring back santap vsan database in sync with the switch

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-6-ST\_RESYNC\_VTS\_IN\_VSAN: ReSync Vsan [dec], changing state from [chars] to [chars]. All the VTs in this vsan will be resynced

**Explanation** Santap force recovery of vsans has been attempted by user. This will attempt to bring back santap vt in sync with ISAPI

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-6-ST\_SCP\_PACING\_COUNTER\_RESET: Current outstanding scp [dec] reset counter [dec] threshold [dec]

**Explanation** User has reset scp pacing

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-6-ST\_SCP\_PACING\_DISABLED: Current outstanding scp [dec] reset counter [dec] threshold [dec]

**Explanation** User has disabled scp pacing

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-6-ST\_SCP\_PACING\_ENABLED: Current outstanding scp [dec] reset counter [dec] threshold [dec]

**Explanation** User has enabled scp pacing

**Recommended Action** No action is required.

**Message** SANTAP-SLOT#-6-ST\_SCP\_PACING\_PARAM\_MODIFIED: Current outstanding cps [dec] reset counter [dec] pacing enabled? [dec], new threshold [dec]

**Explanation** User has modified the scp pacing threshold

**Recommended Action** No action is required.

## SAN\_EXT\_TUNER Messages

This section contains the SAN\_EXT\_TUNER messages.

### SAN\_EXT\_TUNER-3

**Message** SAN\_EXT\_TUNER-3-SAN\_EXT\_TUNER\_LICENSE\_EXPIRED: SAN Extension License expired - Disabling SAN Extension Tuner

**Explanation** SAN Extension License expired/not present - Disabling SAN Extension Tuner

**Recommended Action** No action is required.

## SCHEDULER Messages

This section contains the SCHEDULER messages.

## SCHEDULER-2

**Message** SCHEDULER-2-SCH\_SYSLOG\_MALLOC\_ERR: Out of memory: [chars]

**Explanation** Process memory exhausted. Possible memory leak.

**Recommended Action** Contact TAC

**Message** SCHEDULER-2-SCH\_SYSLOG\_MTS\_ERR: MTS error: [chars]

**Explanation** MTS operation failure

**Recommended Action** Contact TAC

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

**Explanation** Error while performing snapshot I/O to PSS

**Recommended Action** Contact TAC

**Message** SCHEDULER-2-SCH\_SYSLOG\_SDWRAP\_ERR: Debug infrastructure initialization failed: [chars]

**Explanation** Debug infrastructure failed to initialize

**Recommended Action** Contact TAC

## SCHEDULER-3

**Message** SCHEDULER-3-SCH\_ERR: [chars]

**Explanation** Scheduler error

**Recommended Action** No action is required.

**Message** SCHEDULER-3-SCH\_SYSLOG\_FILE\_ERR: [chars] Error: [chars]

**Explanation** File handling error

**Recommended Action** No action is required.

**Message** SCHEDULER-3-SCH\_SYSLOG\_PSS\_ERR: Purpose:[chars] URI:[chars] Error:[dec]

**Explanation** Error while performing I/O to PSS

**Recommended Action** Contact TAC



**Message** SCHEDULER-3-SCH\_SYSLOG\_USER\_ERR: Description: Failed to execute job for user id [chars] Error:[dec]

**Explanation** Error while attempting to execute job for user. Possibly, the user is removed from the system.

**Recommended Action** Ensure the user exists. Make sure he is not a remotely authenticated user.

## SCHEDULER-4

**Message** SCHEDULER-4-SCH\_WARN: [chars]

**Explanation** Scheduler warning

**Recommended Action** No action is required.

## SCHEDULER-6

**Message** SCHEDULER-6-SCH\_MSG: [chars]

**Explanation** Scheduler Message

**Recommended Action** No action is required.

## SCM Messages

### SCM-2

**Message** SCM-2-SCMLCINSERTFAIL: [chars]

**Explanation** SCSI-TARGET

**Recommended Action** NONE

## SCSI-TARGET Messages

This section contains the SCSI-TARGET messages.

## SCSI-TARGET-2

**Message** SCSI-TARGET-2-PROC\_OPEN\_VHBA\_DEVICE\_FAIL: Failed to communicate with SCSI-target driver error: [hex]

**Explanation** SCSI-target process failed to communicate with its peer kernel driver [hex]. No SCSI discovery can be performed.

**Recommended Action** Collect more information using command 'show scsi-target internal driver'

**Message** SCSI-TARGET-2-PROC\_SET\_SCSI\_INDEX\_FAIL: Failed to set SCSI index SCSI-target driver error: [hex]

**Explanation** SCSI-target process failed to set SCSI index with its peer kernel driver [hex]. No SCSI discovery can be performed.

**Recommended Action** Collect more information using command 'show scsi-target internal driver'.

**Message** SCSI-TARGET-2-PROC\_WWNM\_GET\_WWN\_FAIL: Failed to get local controller pwnn from WWN Manager error: [hex] response: [hex]

**Explanation** SCSI-target process used wwnm\_bwt\_get\_local\_controller\_wwn() api for the port wwn and it failed due to error [hex], response code [hex]. No SCSI discovery can be performed.

**Recommended Action** Collect more information using commands 'show process scpu' and 'show system internal sysmgr service all'. See WWN Manager system error codes for reason.

**Message** SCSI-TARGET-2-PSS\_INIT\_FAIL: pss initialization failed due to error: [hex]

**Explanation** SCSI-target process pss initialization failure due to error [hex]. No SCSI discovery can be performed.

**Recommended Action** Collect more information using command 'showflash'. See Pss System Error Codes For Reason.'

## SCSI-TARGET-3

**Message** SCSI-TARGET-3-PROC\_VSAN\_GET\_RATOV\_FAIL: Failed to get vsan attribute RATOV from VSAN Manager, error: [hex]

**Explanation** SCSI-target process used the vsan\_get\_global\_value() api for RATOV and it failed due to error [hex].

**Recommended Action** This is a non-fatal error. The default value for RATOV is used. Collect more information using commands 'show process cpu' and 'show system internal sysmgr service all'. See Vsan Manager system error codes for reason.

**Message** SCSI-TARGET-3-PSS\_CREATE\_FAIL: pss create runtime database failed due to error: [hex]

**Explanation** SCSI-target process pss create runtime database failure due to error [hex]. No SCSI discovery can be performed.

**Recommended Action** Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

**Message** SCSI-TARGET-3-PSS\_DELETE\_FAIL: pss delete runtime entry key:[hex] failed due to error: [hex]

**Explanation** SCSI-target process pss delete runtime entry key [hex] failure due to error [hex].

**Recommended Action** Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

**Message** SCSI-TARGET-3-PSS\_MAX\_KEY\_FAIL: pss set runtime max key failed due to error: [hex]

**Explanation** SCSI-target process pss set runtime max key failure due to error [hex]. No SCSI discovery can be performed.

**Recommended Action** Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

**Message** SCSI-TARGET-3-PSS\_MAX\_VALUE\_FAIL: pss set runtime max value failed due to error: [hex]

**Explanation** SCSI-target process pss set runtime max value failure due to error [hex]. No SCSI discovery can be performed.

**Recommended Action** Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

**Message** SCSI-TARGET-3-PSS\_OPEN\_FAIL: pss open runtime database failed due to error: [hex]

**Explanation** SCSI-target process pss open runtime database failure due to error [hex]. No SCSI discovery can be performed.

**Recommended Action** Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

**Message** SCSI-TARGET-3-PSS\_RELOAD\_FAIL: pss reload runtime database failed due to error: [hex]

**Explanation** SCSI-target process pss reload runtime database failure due to error [hex].

**Recommended Action** Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

**Message** SCSI-TARGET-3-PSS\_SNAPSHOT\_DEBUG\_FAIL: pss snapshot runtime debug to uri: [chars] failed due to error: [hex]

**Explanation** SCSI-target process pss snapshot of runtime debug to uri [string] failed due to error [hex].

**Recommended Action** Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

**Message** SCSI-TARGET-3-PSS\_SNAPSHOT\_FAIL: pss snapshot runtime to uri:[chars] failed due to error: [hex]

**Explanation** SCSI-target process pss snapshot of runtime to uri [string] failed due to error [hex].

**Recommended Action** Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

**Message** SCSI-TARGET-3-PSS\_STORE\_FAIL: pss store runtime entry key:[hex] val:[hex] failed due to error: [hex]

**Explanation** SCSI-target process pss store runtime entry key [hex] value [hex] failure due to error [hex].

**Recommended Action** Collect more information using command 'showflash'. See Pss System Error Codes For Reason.

## SCSI-TARGET-7

**Message** SCSI-TARGET-7-SCSI\_TARGET\_DISCOVERED: SCSI-target discovered VSAN:[dec] FCID:[hex] prlisparm:[hex]

**Explanation** SCSI-target process discovered VSAN [dec] FCID [hex] prli service parameter [hex].

**Recommended Action** None

## SDV Messages

This section contains the SDV messages.

### SDV-2

**Message** SDV-2-RANDNUM\_FAIL: Random number generation failed

**Explanation** Random number generation failed. Process has to exit due to FIPS compliance

**Recommended Action** No action is required.

## SDV-3

**Message** SDV-3-ACL\_CACHE\_ERROR: ACL CACHE ERR, Trying to prig with no interface list

**Explanation** A Null interface list was generated for a ACL entry

**Recommended Action** No action is required.

**Message** SDV-3-ACL\_ERROR: ACL API, [chars], failed with error [hex]

**Explanation** SDV invoked ACL API and received the error code. [chars] describes the API and 0x[hex] specifies the error.

**Recommended Action** No action is required.

**Message** SDV-3-ALLOC\_FAILED: Failed for type [dec] size [dec]

**Explanation** SDM process could not allocate heap memory. [dec] is the memory type and [dec] is the size of memory

**Recommended Action** No action is required.

**Message** SDV-3-ASSERTION\_FAILED: [chars]: [dec]

**Explanation** SDM process has hit an assert condition at file [chars] line number [dec]

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

**Message** SDV-3-AUTO\_FAILOVER\_ERROR: [chars]

**Explanation** SDV Virtual-device failed to auto-fail over due to [chars]

**Recommended Action** No action is required.

**Message** SDV-3-BCAST\_NOT\_SUPPORTED: Broadcast attribute will be ignored for SDV devices

**Explanation** Broadcast attribute will be ignored for SDV devices

**Recommended Action** No action is required.

**Message** SDV-3-ENQUEUE\_EVENT\_FAIL: Unable to enqueue event into state machine

**Explanation** Unable to enqueue event into state machine

**Recommended Action** No action is required.

**Message** SDV-3-FCID\_REWRITE\_REQUEST\_TO\_ACL\_FAILED: fcid rewrite [chars] request vsan [dec] vdev\_id [dec] failed:[chars].

**Explanation** This happens when either after SDV retried the request few times or ACL experienced error while processing the request.

**Recommended Action** No action is required.

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

**Explanation** SDM process in it has failed due to [chars]

**Recommended Action** No action is required.

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

**Explanation** SDM process encountered an internal error due to [chars]

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

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

**Explanation** Error while activating the merged SDV database due to [chars]

**Recommended Action** No action is required.

**Message** SDV-3-MERGE\_CAP\_FAILED: [chars]

**Explanation** SDV fabric merge failed because of incompatible capabilities [chars]

**Recommended Action** Compare SDV configuration in both fabrics and resolve the conflicts if any and commit the changes.

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

**Explanation** SDV fabric merge failed due to [chars]

**Recommended Action** Check the error using show sdv merge status vsan <vsan-id

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

**Explanation** SDM process encountered an MTS error due to [chars]

**Recommended Action** No action is required.

## SDV-4

**Message** SDV-4-FCID\_REWRITE\_REQUEST\_TO\_ACL\_FAILED\_AND\_RETRYING: failed:[chars].  
Retrying the request again.

**Explanation** This happens when either any of the linecard being upgraded or ACL experienced error while processing the request.

**Recommended Action** No action is required.

## SDV-6

**Message** SDV-6-INTERNAL\_ERR\_INFO: [chars]

**Explanation** SDM process encountered ignorable error due to [chars]

**Recommended Action** No action is required.

## SDV-7

**Message** SDV-7-SRVCREATED: SDM Process started

**Explanation** SDM process has started

**Recommended Action** No action is required.

## SECURITYD Messages

This section contains the SECURITYD messages.

### SECURITYD-2

**Message** SECURITYD-2-FIPS\_BYPASS\_SELF\_TEST\_STATUS: FIPS Bypass self-test status:  
[chars]

**Explanation** Status of FIPS self-test [chars]

**Recommended Action** No action is required.

**Message** SECURITYD-2-FIPS\_CRNG\_SELF\_TEST\_STATUS: FIPS CRNG self-test status: [chars]

**Explanation** Status of FIPS self-test [chars]

**Recommended Action** No action is required.

**Message** SECURITYD-2-FIPS\_CRYPTO\_SELF\_TEST\_STATUS: FIPS [chars] Crypto self-test status: [chars]

**Explanation** Status of FIPS [chars] self-test [chars]

**Recommended Action** No action is required.

**Message** SECURITYD-2-FIPS\_IMAGE\_INTEGRITY\_SELF\_TEST\_STATUS: FIPS Image Integrity self-test status: [chars]

**Explanation** Status of FIPS [chars] self-test [chars]

**Recommended Action** No action is required.

**Message** SECURITYD-2-FIPS\_POST\_ERROR\_MSG: [chars]

**Explanation** Fips post Message

**Recommended Action** No action is required.

**Message** SECURITYD-2-FIPS\_POST\_MAINTENANCE: FIPS Test failed. Moving to maintenance mode

**Explanation** FIPS Test failed. Moving to maintenance mode

**Recommended Action** No action is required.

**Message** SECURITYD-2-FIPS\_POST\_TEST\_FAILED: FIPS crypto-test failure: [dec]

**Explanation** FIPS crypto-test failed [chars]

**Recommended Action** No action is required.

**Message** SECURITYD-2-FIPS\_POWERUP\_SELF\_TESTS\_STATUS: FIPS power-up self-test status: [chars]

**Explanation** Status FIPS self-test [chars]

**Recommended Action** No action is required.



**Message** SECURITYD-2-FIPS\_POWERUP\_SELF\_TEST\_STATUS: FIPS [chars] power-up self-test status: [chars]

**Explanation** Status of FIPS [chars] power-up self-test [chars]

**Recommended Action** No action is required.

**Message** SECURITYD-2-FIPS\_SELF\_TEST\_FAILED: FIPS self-test failure: [chars]: [chars]

**Explanation** FIPS self-test failed [chars] for service [chars]

**Recommended Action** No action is required.

**Message** SECURITYD-2-PROGRAM\_EXIT: security/accounting daemon exiting: [chars]

**Explanation** Security/accounting daemon is exiting.

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

## SECURITYD-3

**Message** SECURITYD-3-SECURITY\_ERR\_MSG: [chars]

**Explanation** Security Message

**Recommended Action** No action is required.

**Message** SECURITYD-3-NVRAMFAILURE: nvram failure

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

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

## SECURITYD-6

**Message** SECURITYD-6-ACCOUNTING\_MESSAGE: [chars]

**Explanation** Accounting Message

**Recommended Action** No action is required.

**Message** SECURITYD-6-CHANGE\_PASSWD: changing passwd for [chars]

**Explanation** Changing passwd for [chars]

**Recommended Action** No action is required.

**Message** SECURITYD-6-DELETE\_STALE\_USER\_ACCOUNT: deleting expired user account: [chars]

**Explanation** Deleting expired user account of [chars]

**Recommended Action** No action is required.

**Message** SECURITYD-6-FIPS\_MODE\_SET\_FAILED: Error when setting FIPS mode: [chars]

**Explanation** FIPS mode failed [chars]

**Recommended Action** No action is required.

**Message** SECURITYD-6-FIPS\_MODE\_SET: FIPS mode is [chars] for service [chars]

**Explanation** FIPS mode is changed [chars] [chars]

**Recommended Action** No action is required.

**Message** SECURITYD-6-FIPS\_POST\_INFO\_MSG: [chars]

**Explanation** Fips post Information Message

**Recommended Action** No action is required.

**Message** SECURITYD-6-SECURITY\_INFO\_MSG: [chars]

**Explanation** Security Info Message

**Recommended Action** No action is required.

## SECURITYD-7

**Message** SECURITYD-7-SECURITY\_DBG\_MSG: [chars]

**Explanation** Security Debug Message

**Recommended Action** No action is required.

## SENSOR\_USD Messages

This section contains the SENSOR\_USD messages.

### SENSOR\_USD-2

**Message** SENSOR\_USD-2-SNSM\_SYSLOG\_INIT\_FAILED: Sensor Mgr Initialization failed.  
Component [chars]

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

**Message** SENSOR\_USD-2-SNSM\_SYSLOG\_SHUTDOWN: Sensor Mgr process shutting down:  
[chars]

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

**Message** SENSOR\_USD-2-SNSM\_SYSYLOG\_ALLOC\_MEMORY: Sensor Mgr Memory allocation  
failed

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

### SENSOR\_USD-3

**Message** SENSOR\_USD-3-MSG\_SNSM\_SYS\_MEM\_ALOC\_FAILURE: Sensor Mgr Error in allocating  
mem: [dec], Error code = [dec]

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

**Message** SENSOR\_USD-3-SNSM\_API\_CALL\_FAILURE: Sensor Mgr Error in [chars] call  
errno=[dec]

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

**Message** SENSOR\_USD-3-SNSM\_SYSLOG\_BAD\_MTS\_MSG: Sensor Mgr Received bad MTS message: [dec]

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

**Message** SENSOR\_USD-3-SNSM\_SYSLOG\_MTS\_PROCESS\_ERROR: Sensor Mgr Error in processing MTS message: [dec], Error code = [hex]

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

**Message** SENSOR\_USD-3-SNSM\_SYS\_DEQUE\_PENDING\_QUE\_FAILURE: Sensor Mgr Error in Dequing pend Que: %p, Error code = [hex]

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

**Message** SENSOR\_USD-3-SNSM\_SYS\_ENQUE\_PENDING\_QUE\_FAILED: Sensor Mgr Error in queuing to pending queue: %p, Error code = [hex]

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

**Message** SENSOR\_USD-3-SNSM\_SYS\_MTS\_RECV\_FAILURE: Sensor Mgr Error in receving MTS mesg

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

## SENSOR\_USD-5

**Message** SENSOR\_USD-5-SNSM\_SYSLOG\_STARTING: Sensor Mgr process started

**Explanation** Sensor Manager syslog message

**Recommended Action** No action is required.

## SENSOR\_MGR Messages

This section contains the SENSOR\_MGR messages.

## SENSOR\_MGR-2

**Message** SESSION-MGR-2-DB\_UNLOCK\_FAILED: Failed to unlock the database for session: [chars]

**Explanation** Session-Manager failed to unlock the database for session: [chars]

**Recommended Action** No action is required.

## SENSOR\_MGR-3

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

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

**Recommended Action** No action is required.

## SENSOR\_MGR-4

**Message** SESSION-MGR-4-ISSU\_FAILED: [chars]: [hex]

**Explanation** Session manager failed ISSU because of [string] and error: [hex]

**Recommended Action** No action is required.

## SENSOR Messages

This section contains the SENSOR messages.

## SENSOR-0

**Message** SENSOR-0-DC3\_SENSOR\_MSG: [chars]

**Explanation** SENSOR log emergency message

**Recommended Action** No action is required.

## SENSOR-3

**Message** SENSOR-3-DC3\_SENSOR\_MSG1: [chars]

**Explanation** SENSOR log message

**Recommended Action** No action is required.

## SESSION-MGR Messages

This section contains the SESSION-MGR messages.

### SESSION-MGR-2

**Message** SESSION-MGR-2-DB\_UNLOCK\_FAILED: Failed to unlock the database for reason: [chars]

**Explanation** Session-Manager failed to unlock the database for session: [chars]

**Recommended Action** No action is required.

### SESSION-MGR-3

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

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

**Recommended Action** No action is required.

### SESSION-MGR-4

**Message** SESSION-MGR-4-ISSU\_FAILED: [chars]:[hex]

**Explanation** Session manager failed ISSU because of: [string] and error: [hex]

**Recommended Action** No action is required.

## SFC Messages

This section contains the SFC messages.

## SFC-3

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

**Explanation** SCSI Flow Client encountered an error

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

## SFM Messages

This section contains the SFM messages.

### SFM-2

**Message** SFM-2-NO\_LICENSE\_WARNING: SCSI Flow Manager is shutting down as no license is available.

**Explanation** License required for continued SCSI Flow Manager operation is not available.

**Recommended Action** No action is required.

### SFM-6

**Message** SFM-6-LICENSE\_VALID: A valid license for SCSI Flow Manager has been obtained

**Explanation** A valid license for SCSI Flow Manager has been obtained

**Recommended Action** No action is required.

## SIM Messages

This section contains the SIM messages.

### SIM-2

**Message** SIM-2-IF\_CRITICAL\_FAILURE: (Debug syslog) Critical failure: [chars], [chars]

**Explanation** There was a critical failure in the component.

**Recommended Action** Please follow instructions on the syslog.

**Message** SIM-2-IF\_DOWN\_ERROR\_DISABLED: Interface [chars] is down (Error disabled. Reason: [chars])

**Explanation** The interface encountered an error while configuring it

**Recommended Action** In most cases, you can recover using following commands 'config terminal', 'interface [char]', 'shutdown', 'noshutdown' on the interface or removing and re-inserting the fibre optic cable.'

**Message** SIM-2-IF\_DOWN\_LINK\_FAILURE\_CRIT: Interface [chars] is down (Link failure)

**Explanation** The physical link has gone down

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

**Message** SIM-2-SEQ\_TIMEOUT: Component [chars] timed out on response to opcode [chars] ([chars])

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

**Recommended Action** None

**Message** SIM-2-SYSLOG\_SIM\_CRITICAL: Critical failure: [chars]

**Explanation** There was a critical failure in the component.

**Recommended Action** Please collect system tech-support

## SIM-3

**Message** SIM-3-IF\_DOWN\_CHANNEL\_ERR\_DISABLED: Interface [chars] is down (Channel error disabled)

**Explanation** This interface belongs to a PortChannel and the PortChannel is error disabled

**Recommended Action** Perform 'shut' and 'noshutdown' on the Port Channel interface that it belongs to

**Message** SIM-3-IF\_ERROR\_VLANS\_REMOVED: VLANs [chars] on Interface [chars] are removed from suspended state.

**Explanation** The VLANs on an interface are being removed from the suspended state

**Recommended Action** No action is required.



**Message** SIM-3-IF\_ERROR\_VLANS\_SUSPENDED: VLANs [chars] on Interface [chars] are being suspended. (Reason: [chars])

**Explanation** The VLANs on an interface are being suspended due to some protocol action

**Recommended Action** No action is required.

**Message** SIM-3-IF\_SFP\_ALARM: Interface [chars], [chars]

**Explanation** There was an alarm on the transceiver module

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

**Message** SIM-3-IF\_SFP\_ERROR: Interface [chars], [chars]

**Explanation** There was an error on the transceiver module

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

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

**Explanation** The transceiver for the interface specified in the Message is not a Cisco supported module

**Recommended Action** Replace the module with a compatible transceiver. If the transceiver was purchased from Cisco, please contact Cisco TAC to get the transceiver replaced

**Message** SIM-3-IF\_XCVR\_ALARM: Interface [chars], [chars]

**Explanation** There was an alarm on the transceiver module

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

**Message** SIM-3-IF\_XCVR\_ERROR: Interface [chars], [chars]

**Explanation** There was an error on the transceiver module

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

## SIM-4

**Message** SIM-4-IF\_NON\_QUALIFIED\_TRANSCEIVER: Non-qualified transceiver on interface [chars] was detected

**Explanation** The transceiver for the interface specified has not been qualified on this platform for this software release

**Recommended Action** Replace the module with a supported transceiver. Contact Cisco TAC to get platform transceiver qualification details

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

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

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

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

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

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

## SIM-5

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

**Explanation** Interface is admin up

**Recommended Action** No action is required.

**Message** SIM-5-IF\_BANDWIDTH\_CHANGE: Interface [chars], bandwidth changed to [chars] Kbit

**Explanation** Bandwidth of the interface (port channel) has changed and this change is updated

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_ADMIN\_DOWN: Interface [chars] is down (Administratively down)

**Explanation** Interface has been configured to be administratively down

**Recommended Action** Perform noshutdown

**Message**

**Message** SIM-5-IF\_DOWN\_CFG\_CHANGE: Interface [chars] is down(Config change)

**Explanation** FCIP interface temporarily down due to reconfiguration

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_CHANNEL\_ADMIN\_DOWN: Interface [chars] is down (Channel admin down)

**Explanation** This interface belongs to a PortChannel and the PortChannel is configured to be administratively down

**Recommended Action** Perform 'noshutdown' on the Port Channel interface that it belongs to

**Message** SIM-5-IF\_DOWN\_CHANNEL\_MEMBERSHIP\_UPDATE\_IN\_PROGRESS: Interface [chars] is down (Channel membership update in progress)

**Explanation** The interface belongs to a PortChannel and a configuration is being attempted on the interface while there is a configuration in progress on the PortChannel

**Recommended Action** Retry the configuration again

**Message** SIM-5-IF\_DOWN\_DOMAIN\_ADDR\_ASSIGN\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to domain id assignment failure)

**Explanation** Isolated due to a failure while assigning a domain

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_DOMAIN\_INVALID\_RCF\_RECEIVED: Interface [chars] is down (Isolation due to invalid fabric reconfiguration)

**Explanation** Invalid RCF received

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_DOMAIN\_MANAGER\_DISABLED: Interface [chars] is down (Isolation due to domain manager disabled)

**Explanation** Isolated due to domain manager being disabled

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_DOMAIN\_MAX\_RETRANSMISSION\_FAILURE: Interface [chars] is down (Isolation due to domain manager other side not responding)

**Explanation** Remote end domain manager not responding

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_DOMAIN\_OTHER\_SIDE\_EPORT\_ISOLATED: Interface [chars] is down (Isolation due to domain other side eport isolated)

**Explanation** Isolating this interface due to the remote end being isolated

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_DOMAIN\_OVERLAP\_ISOLATION: Interface [chars] is down (Isolation due to domain overlap)

**Explanation** Isolated due to domain overlap

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to ELP failure)

**Explanation** ELP failed on the interface

**Recommended Action** Check the output of 'show port internal info' in the 'ELP failure reason' field'

**Message** SIM-5-IF\_DOWN\_EPP\_FAILURE: Interface [chars] is down (Error Disabled - EPP Failure)

**Explanation** Trunk protocol failed

**Recommended Action** 'show port internal event-history msgs' will indicate the trunk protocol exchanges to determine why it failed

**Message** SIM-5-IF\_DOWN\_ESC\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to ESC failure)

**Explanation** ESC failed on the interface

**Recommended Action** Check the output of 'show port internal event-history' to determine the ESC protocol exchanges to determine how it failed

**Message** SIM-5-IF\_DOWN\_ETH\_IF\_DOWN: Interface [chars] is down(Tunnel port src interface down)

**Explanation** Ethernet link to which the FCIP interface is bound is down

**Recommended Action** Ensure that the ethernet cable is connected, the interface is administratively enabled

**Message** SIM-5-IF\_DOWN\_ETH\_LINK\_DOWN: Interface [chars] is down(Tunnel port src interface link down)

**Explanation** Ethernet link to which the FCIP interface is bound is down

**Recommended Action** Ensure that the ethernet cable is connected and the remote end is also active

**Message** SIM-5-IF\_DOWN\_FCOT\_NOT\_PRESENT: Interface [chars] is down (FCOT not present)

**Explanation** The FCOT has been removed

**Recommended Action** Insert an FCOT

**Message** SIM-5-IF\_DOWN\_FCOT\_VENDOR\_NOT\_SUPPORTED: Interface [chars] is down (Error disabled - Fcot vendor not supported)

**Explanation** Fcot inserted is not a supported one

**Recommended Action** Please contact customer support for a list of authorized transceiver vendors

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

**Explanation** The modules hardware has failed

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

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

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

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

**Message** SIM-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_MODE: Interface [chars] is down (Error disabled - Incompatible admin port mode)

**Explanation** The configured mode is not supported on this interface

**Recommended Action** Perform a 'show port internal info' to determine the list of modes supported on this interface

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

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

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

**Message** SIM-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_RXBUFSIZE: Interface [chars] is down (Error disabled - Incompatible admin port rxbufsize)

**Explanation** The configured receive buffer size is not supported

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

**Message** SIM-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_SPEED: Interface [chars] is down (Error disabled - Incompatible admin port speed)

**Explanation** The configured speed is not supported on this interface

**Recommended Action** Perform a 'show port internal info' to determine the range of speed supported on this interface

**Message** SIM-5-IF\_DOWN\_INITIALIZING: Interface [chars] is down (Initializing)

**Explanation** The interface is in the process of coming up

**Recommended Action** If the interface is stuck in this state for a while, check the output of 'show port internal event-history' to determine what it is waiting for.

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

**Explanation** Interface removed

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_LINK\_FAILURE: Interface [chars] is down (Link failure)

**Explanation** The physical link has gone down

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

**Message** SIM-5-IF\_DOWN\_LOOPBACK\_DIAG\_FAILURE: Interface [chars] is down (Diag failure)

**Explanation** Diag failed on the interface

**Recommended Action** Collect more information about failed interface using command

**Message** SIM-5-IF\_DOWN\_LOOPBACK\_ISOLATION: Interface [chars] is down (Isolation due to port loopback to same switch)

**Explanation** The interface is looped back to another interface on the same switch

**Recommended Action** Check the connectivity of this interface and ensure that it is connected to another switch

**Message** SIM-5-IF\_DOWN\_MODULE\_REMOVED: Interface [chars] is down (module removed)

**Explanation** Interface is down because the module was removed

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_NONE: Interface [chars] is down ([chars])

**Explanation** Interface is down with a possible reason.

**Recommended Action** Collect more information about port using command 'show port internal info /event-history' to determine why it went down

**Message** SIM-5-IF\_DOWN\_NON\_PARTICIPATING: Interface [chars] is down (Non participating)

**Explanation** The loop port has been put into non participating mode

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_OFFLINE: Interface [chars] is down (Offline)

**Explanation** The interface has been placed into the offline state

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_PARENT\_ADMIN\_DOWN: Interface [chars] is down (Parent interface down)

**Explanation** Parent interface is down

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_PEER\_CLOSE: Interface [chars] is down(TCP conn. closed by peer)

**Explanation** The FCIP peer connected to this interface closed the TCP connection

**Recommended Action** This command will provide the peer IP address of this FCIP interface: show interface. Check to see why the peer closed the TCP connection

**Message** SIM-5-IF\_DOWN\_PEER\_RESET: Interface [chars] is down(TCP conn. reset by peer)

**Explanation** TCP connection to the FCIP peer got reset

**Recommended Action** The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Check to see why the peer reset the TCP connection

**Message** SIM-5-IF\_DOWN\_PORT\_CHANNEL\_MEMBERS\_DOWN: Interface [chars] is down (No operational members)

**Explanation** This is a PortChannel interface and all its members are operationally down

**Recommended Action** Enable at least one of the PortChannel members

**Message** SIM-5-IF\_DOWN\_PORT\_VSAN\_MISMATCH\_ISOLATION: Interface [chars] is down (Isolation due to port vsan mismatch)

**Explanation** Isolated due to a mismatch in the configured port VSAN of the local and remote ends

**Recommended Action** Configure the port VSAN of the local and remote interfaces to be the same and perform a shutdown' and a 'noshutdown'

**Message** SIM-5-IF\_DOWN\_RCF\_IN\_PROGRESS: Interface [chars] is down (RCF in progress)

**Explanation** There is an RCF in progress

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_SOFTWARE\_FAILURE: Interface [chars] is down (Port software failure)

**Explanation** The software servicing the data path on the port has failed

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_SRC\_MOD\_NOT\_ONLINE: Interface [chars] is down(Tunnel source module not online)

**Explanation** Module that has the tunnel source port of this FCIP interface is not fully online

**Recommended Action** The module that has the tunnel src port is coming online. Please use show mod to find module status



**Message** SIM-5-IF\_DOWN\_SRC\_PORT\_NOT\_BOUND: Interface [chars] is down (Tunnel port src interface unbound)

**Explanation** Tunnel port source interface unbound

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_SRC\_PORT\_REMOVED: Interface [chars] is down (Tunnel src port removed)

**Explanation** Tunnel source port of this FCIP interface has been removed

**Recommended Action** The src interface with ip address that matches the ip address of the bound entity is removed. This happens normally due to the module on which the src interface exists is removed

**Message** SIM-5-IF\_DOWN\_SUSPENDED\_BY\_MODE: Interface [chars] is down (Suspended due to incompatible mode)

**Explanation** This interface belongs to a PortChannel and operational mode of the interface is different from that of the PortChannel

**Recommended Action** Change the mode and the trunking mode of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

**Message** SIM-5-IF\_DOWN\_SUSPENDED\_BY\_SPEED: Interface [chars] is down (Suspended due to incompatible speed)

**Explanation** This interface belongs to a PortChannel and operational speed of the interface is different from that of the PortChannel

**Recommended Action** Change the speed of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

**Message** SIM-5-IF\_DOWN\_SUSPENDED\_BY\_WWN: Interface [chars] is down (Suspended due to incompatible remote switch WWN)

**Explanation** This interface belongs to a PortChannel and remote switch WWN of the interface is different from that of the PortChannel

**Recommended Action** Ensure that this interface is connected to the same remote switch as all the other interfaces in the PortChannel

**Message** SIM-5-IF\_DOWN\_SUSPENDED: Interface [chars] is down (Suspended)

**Explanation** This interface belongs to a PortChannel and has been suspended due to an error while bringing it up

**Recommended Action** Perform a 'shutdown' and a 'noshutdown'. If this happens again obtain output of 'show port internal info/event-history' on the interface

**Message** SIM-5-IF\_DOWN\_TCP\_KEEP\_ALIVE\_EXPIRED: Interface [chars] is down(TCP conn. closed - Keep alive expired)

**Explanation** TCP session to the FCIP peer got closed due to loss of TCP keep alive

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** SIM-5-IF\_DOWN\_TCP\_MAX\_RETRANSMIT: Interface [chars] is down(TCP conn. closed - retransmit failure)

**Explanation** Interface is down due to maximum retransmission failure

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ipaddr

**Message** SIM-5-IF\_DOWN\_TCP\_PERSIST\_TIMER\_EXPIRED: Interface [chars] is down(TCP conn. closed - Persist timer expired)

**Explanation** TCP session to the FCIP peer closed because TCP persist timer expired

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** SIM-5-IF\_DOWN\_UPGRADE\_IN\_PROGRESS: Interface [chars] is down (Linecard upgrade in progress)

**Explanation** Upgrade of the linecard software is in progress

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_VRF\_UNUSABLE: Interface [chars] is down (Vrf down)

**Explanation** The VRF for which this interface is a member is removed

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_VSAN\_MISMATCH\_ISOLATION: Interface [chars] is down (Isolation due to vsan mismatch)

**Explanation** This is a trunking interface and the VSANs configured do not match with the VSANs configured on the remote end

**Recommended Action** Check the VSANs configured on the local end with the remote end

**Message** SIM-5-IF\_DOWN\_ZONE\_MERGE\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to zone merge failure)

**Explanation** Isolated due to a failure during zone merge

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DOWN\_ZONE\_REMOTE\_NO\_RESP\_ISOLATION: Interface [chars] is down (Isolation due to remote zone server not responding)

**Explanation** Isolated due to remote zone server not responding

**Recommended Action** No action is required.

**Message** SIM-5-IF\_DUPLEX: Interface [chars], operational duplex mode changed to [chars]

**Explanation** Operational duplex mode has changed when link came up

**Recommended Action** No action is required.

**Message** SIM-5-IF\_ERRDIS\_RECOVERY: Interface [chars] is being recovered from error disabled state (Last Reason:[chars])

**Explanation** Interface is being recovered from error disabled state

**Recommended Action** No action is required.

**Message** SIM-5-IF\_HARDWARE: Interface [chars], hardware type changed to [chars]

**Explanation** There was a change in the hardware characteristic of an interface, such as a transceiver module plugged in or removed

**Recommended Action** No action is required.

**Message** SIM-5-IF\_L2MP\_MODE: Interface [chars], l2mp-mode changed to [chars]

**Explanation** The l2mp-mode on the port has changed

**Recommended Action** No action is required.

**Message** SIM-5-IF\_RX\_FLOW\_CONTROL: Interface [chars], operational Receive Flow Control state changed to [chars]

**Explanation** Operational receive flow control has changed when link came up

**Recommended Action** No action is required.

**Message** SIM-5-IF\_TRUNK\_DOWN: Interface [chars], vlan [chars] down

**Explanation** Interface [chars] is trunking, VLANs [chars] are down

**Recommended Action** The following commands will help determine why this VSAN is down on this interface: show interface, show port internal info interface VSAN, show port internal event-history interface vsan

**Message** SIM-5-IF\_TRUNK\_UP: Interface [chars], vlan [chars] up

**Explanation** Interface [chars] is trunking, VLANs [chars] are up

**Recommended Action** No action is required.

**Message** SIM-5-IF\_TX\_FLOW\_CONTROL: Interface [chars], operational Transmit Flow Control state changed to [chars]

**Explanation** Operational transmit flow control has changed when link came up

**Recommended Action** No action is required.

**Message** SIM-5-IF\_UP: Interface [chars] is up [chars]

**Explanation** Interface is up in mode specified, if applicable

**Recommended Action** No action is required.

**Message** SIM-5-SPEED: Interface [chars], operational speed changed to [chars]

**Explanation** Operational speed has changed when link came up

**Recommended Action** No action is required.

**Message** SIM-5-STORM\_CONTROL\_ABOVE\_THRESHOLD: Traffic in port [chars] exceeds the configured threshold [chars]

**Explanation** Traffic on specified port is beyond the configured storm-control threshold, and the excess traffic is being dropped

**Recommended Action** Identify source of traffic storm

**Message** SIM-5-STORM\_CONTROL\_BELOW\_THRESHOLD: Traffic in port [chars] has fallen below the configured threshold [chars]

**Explanation** Traffic on specified port has returned to within configured storm-control threshold

**Recommended Action** No action is required.

## SKSD Messages

This section contains the SKSD messages.

### SKSD-2

**Message** SKSD-2-SKSD\_CRYPT\_SERVICE\_CRIT: Encryption-Service: [chars]

**Explanation** Encryption Service critical errors.

**Recommended Action** No action is required.

### SKSD-3

**Message** SKSD-3-SKSD\_CRYPT\_SERVICE\_ERR: Encryption-Service: [chars]

**Explanation** Encryption Service errors.

**Recommended Action** No action is required.

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

**Explanation** FIPS mode initialization error

**Recommended Action** No action is required.

**Message** SKSD-3-SKSD\_FIPS\_MODE\_SELFTEST: FIPS POST for [chars] [chars]

**Explanation** FIPS Selftest Result

**Recommended Action** No action is required.

### SKSD-4

**Message** SKSD-4-SKSD\_CRYPT\_SERVICE\_WARN: Encryption-Service: [chars]

**Explanation** Encryption Service warnings.

**Recommended Action** No action is required.

## SKSD-5

**Message** SKSD-5-SKSD\_CRYPT\_SERVICE\_NOTICE: Encryption Service: [chars]

**Explanation** Encryption Service updates.

**Recommended Action** No action is required.

**Message** SKSD-5-SKSD\_EXIT: Keystore Application Exiting: [chars]

**Explanation** Keystore Program exiting

**Recommended Action** No action is required.

**Message** SKSD-5-SKSD\_FUNC: Keystore Operation: [chars]

**Explanation** Keystore Event upon a receiving a request

**Recommended Action** No action is required.

**Message** SKSD-5-SKSD\_HW\_INIT: Hardware Keystore Init done

**Explanation** Hardware Keystore Init completed

**Recommended Action** No action is required.

**Message** SKSD-5-SKSD\_HW\_RESET: Hardware Reset: [chars]

**Explanation** Hardware Reset

**Recommended Action** No action is required.

**Message** SKSD-5-SKSD\_HW: Smartcard: [chars]

**Explanation** Smartcard Presence

**Recommended Action** No action is required.

**Message** SKSD-5-SKSD\_INIT: Keystore Application Init: [chars]

**Explanation** Keystore Program Init

**Recommended Action** No action is required.

**Message** SKSD-5-SKSD\_KEY\_ADD: Key added

**Explanation** Key added to keystore

**Recommended Action** No action is required.

**Message** SKSD-5-SKSD\_KEY\_DELETE: Key deleted

**Explanation** Key deleted from keystore

**Recommended Action** No action is required.

**Message** SKSD-5-SKSD\_MKEY\_INSTALL: Installing a Master Key on the smartcard(s)

**Explanation** Installing a new Master Key on the smartcard(s)

**Recommended Action** No action is required.

**Message** SKSD-5-SKSD\_SUP\_STATE: Supervisor card new state: [dec]

**Explanation** Supervisor state change

**Recommended Action** No action is required.

**Message** SKSD-5-SKSD\_SW\_INIT: Software Keystore Init done

**Explanation** Software Keystore Init completed

**Recommended Action** No action is required.

## SKSD-6

**Message** SKSD-6-SKSD\_CRYPT\_SERVICE\_INFO: Encryption Service: [chars]

**Explanation** Encryption Service informational updates.

**Recommended Action** No action is required.

## SKT\_USD Messages

This section contains the SKT\_USD messages.

## SKT\_USD-2

**Message** SKT\_USD-2-SKT\_RF\_CRC\_ERR: [chars]

**Explanation** Skytrain received packet(s) from fabric with CRC error

**Recommended Action** No action is required.

## SKT\_USD-6

**Message** SKT\_USD-6-SKT\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## SKYLINE\_APP Messages

This section contains the SKYLINE\_APP messages.

### SKYLINE\_APP-SLOT#-2

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

**Explanation** Skyline driver application exited

**Recommended Action** No action is required.

## SME\_CPP Messages

This section contains the SME\_CPP messages.

### SME\_CPP-2

**Message** SME\_CPP-2-IT\_NEXUS\_MAX\_INTERFACE\_LIMIT\_REACHED: [chars] cannot be bound as the interfaces reached the maximum IT Nexus limit

**Explanation** IT Load Balancing failed

**Recommended Action** No action is required.



**Message** SME\_CPP-2-LOG\_ERR\_SME\_CTRL\_LUN\_PATH\_MISCONFIG: Control LUN [chars] behind Host PWWN [chars] Tgt PWWN [chars] LUN Id [chars] has some lun paths that are not configured.

**Explanation** A single lun with multiple paths has some non configured paths. Please configure all lun paths.

**Recommended Action** No action is required.

**Message** SME\_CPP-2-LOG\_ERR\_SME\_DIFF\_LUN\_MISCONFIG: Lun [chars] and [chars] behind Host PWWN [chars] Tgt PWWN [chars] LUN Id [chars] configured as one device.

**Explanation** Two different luns configured as one device. Please fix configuration.

**Recommended Action** No action is required.

**Message** SME\_CPP-2-LOG\_ERR\_SME\_LICENSE\_EXPIRED: SME License expired - Disabling [chars]

**Explanation** SAN Media Encryption License expired/not present - Disabling SME

**Recommended Action** No action is required.

**Message** SME\_CPP-2-LOG\_ERR\_SME\_TAPE\_LUN\_PATH\_MISCONFIG: Tape Drive [chars] behind Host PWWN [chars] Tgt PWWN [chars] LUN Id [chars] has some lun paths that are not configured.

**Explanation** A single lun with multiple paths has some non configured paths. Please configure all lun paths.

**Recommended Action** No action is required.

**Message** SME\_CPP-2-LOG\_ERR\_SME\_TOM\_ABORTED: SME Cluster [chars] Message Id: [hex] aborted

**Explanation** An SME Cluster Message was aborted by the Cluster process

**Recommended Action** No action is required.

**Message** SME\_CPP-2-LOG\_WARN\_SME\_LICENSE\_GRACE: No SME License. Feature will be shut down after a grace period of approximately [dec] days

**Explanation** SAN Media Encryption feature on grace period. Please acquire actual license.

**Recommended Action** No action is required.

**Message** SME\_CPP-2-SME\_INIT\_FAILED: Initialization failed for SME: [chars], Reason: [hex]

**Explanation** Initialization failed for SME

**Recommended Action** No action is required.

## SME\_CPP-3

**Message** SME\_CPP-3-LOG\_ERR\_SME\_DBSYBC\_REJECT: SME Database Synchronization [chars] for a New Cluster (Id 0x%llx) Rejected; Reason - [chars].

**Explanation** A switch can be part of only one SME cluster

**Recommended Action** No action is required.

**Message** ME\_CPP-3-LOG\_ERR\_SME\_DISK\_DP\_CNODE\_NOT\_FOUND: crypto disk data preparation for (DG: [chars] CD NAME: [chars]) could not find coned ([chars] if\_index: [hex])

**Explanation** The data preparation failed since crypto node assigned for data preparation is not found

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_ERR\_SME\_DISK\_DP\_CNODE\_OVERLOAD: crypto disk data preparation for (DG: [chars] CD NAME: [chars]) could not be assigned a crypto node ([chars] if\_index: [hex]) due to max limit. current active sessions: [dec]

**Explanation** The data preparation failed since crypto node is already handling maximum number of data preparation sessions

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_ERR\_SME\_DISK\_KMC\_NAME\_MISMATCH: The KMC DG: [chars] and CD NAME: [chars] corresponding to VID: [chars] PID: [chars] DID: [chars] doesn't match cdisk DG: [chars] and CD NAME: [chars]

**Explanation** The discovered vendor id information not match the crypto disk

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_ERR\_SME\_DISK\_KMC\_VPD\_FIXED: The VPD of cdisk DG: [chars] CD NAME: [chars] has been changed to VPD in KMC VID: [chars] PID: [chars] DID: [chars] and old VPD of disk has been removed

**Explanation** The vendor id information has been modified to be consistent with KMC

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_ERR\_SME\_DISK\_KMC\_VPD\_MISMATCH: The VID: [chars] PID: [chars] DID: [chars] of cdisk DG: [chars] CD NAME: [chars] does not match VPD in KMC VPD: [chars] PID: [chars] DID: [chars]

**Explanation** The discovered vendor id information not match the crypto disk

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_ERR\_SME\_DISK\_LUN\_PATH\_AUTH\_FAIL1: ITL HPWWN: [chars] TPWWN: [chars] LUN Id: [chars] VPD mismatch disk. Disk VPD VID: [chars] PID: [chars] DID: [chars] ITL VID: [chars] PID: [chars] DID: [chars]

**Explanation** The given path does not belong to the configured disk

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_ERR\_SME\_DISK\_LUN\_PATH\_AUTH\_FAIL2: ITL HPWWN: [chars] TPWWN: [chars] LUN Id: [chars] VID: [chars] PID: [chars] DID: [chars] belongs to a different cdisk DG: [chars] CD NAME: [chars]

**Explanation** The given path does not belong to the configured disk

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_ERR\_SME\_DISK\_LUN\_PATH\_AUTH\_FAIL3: CFG ITL HPWWN: [chars] TPWWN: [chars] LUN Id: [chars] VID: [chars] PID: [chars] DID: [chars] doesn't belong to DG: [chars] CD NAME: [chars] whose VID: [chars] PID: [chars] DID: [chars]

**Explanation** The given path does not belong to the disk

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_ERR\_SME\_DISK\_LUN\_PATH\_AUTH\_FAIL4: CFG ITL HPWWN: [chars] TPWWN: [chars] LUN Id: [chars] of DG: [chars] CD: [chars] has VID: [chars] PID: [chars] DID: [chars] belonging to DG: [chars] CD NAME: [chars]

**Explanation** The given path does not belong to the disk

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_ERR\_SME\_INTF\_MISMATCH\_CLUSTER\_PARAMS: SME interface [chars] part of cluster [chars] with ID [chars] and security mode [dec], but the DPP has state from a previous instance of a cluster [chars] with ID [chars] and security mode [dec].

**Explanation** DPP has persistent state about a previous cluster membership incarnation, but the interface is part of a different cluster.

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_ERR\_SME\_INTF\_MISMATCH\_CRYPTONODE\_CERTIFICATE2: but the DPP has a different certificate (len [dec] fingerprint [chars]).

**Explanation** DPP has persistent state about a previous cluster membership with a different crypto node identity.

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_ERR\_SME\_INTF\_MISMATCH\_CRYPTONODE\_CERTIFICATE: SME interface [chars] part of cluster [chars] with ID [chars] as a crypto node [chars] with certificate (len [dec] fingerprint [chars]).

**Explanation** DPP has persistent state about a previous cluster membership with a different crypto node identity.

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_ERR\_SME\_INTF\_MISMATCH\_CRYPTONODE\_PARAMS: SME interface [chars] part of cluster [chars] with ID [chars] as a crypto node [chars], but the DPP is identified as [chars].

**Explanation** DPP has persistent state about a previous cluster membership on a different switch or module.

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_ERR\_SME\_IT\_NEX\_USED\_FOR\_DP: IT CL: [chars] H: [chars] T: [chars] VSAN: [dec] has PATH lunit: [chars] for disk (dg: [chars] cd: [chars]) so rediscover not issued

**Explanation** The IT nexus is currently in use by data preparation so rediscover not permitted since it disrupts data preparation. Please stop data preparation first

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_SME\_CDISK\_DP\_FAILED: SME cdisk ([chars]) data preparation failed ([chars]), disk-group ([chars]), cluster (name [chars], id %llx)

**Explanation** SME cdisk data preparation failed

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_SME\_DISK\_ASL\_FAILED: [chars]

**Explanation** SME KMC disk asl token generation failed for the given device discovery info

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_SME\_KEY\_CREATE\_FAILED: Key creation ([chars]) failed with error ([chars]), SME cluster (name [chars], id %llx)

**Explanation** SME key creation failed

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_SME\_KMC\_DELETE\_ALL\_KEYS\_FAILED: Delete all keys in cluster failed to KMC server failed with error ([chars]), SME cluster (name [chars], id %llx)

**Explanation** SME KMC delete keys failed

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_SME\_KMC\_DELETE\_KEYS\_FAILED: Delete keys for [chars] failed to KMC server failed with error ([chars]), SME cluster (name [chars], id %llx)

**Explanation** SME KMC delete keys failed

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_SME\_KMC\_KEEPAALIVE\_FAILED: Keepalive to KMC server failed with error ([chars]), SME cluster (name [chars], id %llx)

**Explanation** SME KMC Keepalive failed

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_SME\_KMC\_KEY\_ENTITY\_LOOKUP\_FAILED: Key ([chars]) lookup from KMC server failed with error ([chars]), SME cluster (name [chars], id %llx)

**Explanation** SME KMC key lookup failed

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_SME\_KMC\_KEY\_LOOKUP\_FAILED: Key ([chars]) lookup from KMC server failed with error ([chars]), SME cluster (name [chars], id %llx)

**Explanation** SME KMC key lookup failed

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_SME\_KMC\_KEY\_UPDATE\_FAILED: Key updates ([chars]) to KMC server failed with error ([chars]), SME cluster (name [chars], id %llx)

**Explanation** SME KMC key updates failed

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_SME\_KMC\_MODIFY\_DISK\_STATUS\_FAILED: Key ([chars]) update disk status in KMC server failed with error ([chars]), SME cluster (name [chars], id %llx)

**Explanation** SME KMC disk status update failed

**Recommended Action** No action is required.

**Message** SME\_CPP-3-LOG\_SME\_REPLACE\_SMARTCARD\_ABORT: Replace smartcard process (type [chars]) aborted [chars] with reason ([chars]) in SME cluster (name [chars], id %llx)

**Explanation** SME KMC connection up

**Recommended Action** No action is required.

**Message** SME\_CPP-3-SME\_FIPS\_MODE\_ERROR: SME FIPS error: [chars]

**Explanation** SME module FIPS mode error

**Recommended Action** No action is required.

**Message** SME\_CPP-3-SME\_MAX\_CLUSTERS\_LIMIT\_EXCEEDED: SME maximum clusters limit of [dec] exceeded

**Explanation** The maximum SME clusters limit exceeded

**Recommended Action** No action is required.

## SME\_CPP-5

**Message** SME\_CPP-5-IT\_NEXUS\_OPTIMUM\_INTERFACE\_LIMIT\_REACHED: Interface [chars] exceeded the optimum IT Nexus limit

**Explanation** Interface Flow Limit

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_ERR\_SME\_INTF\_MISMATCH\_NOT\_PART\_OF\_ANY\_CLUSTER: SME interface [chars] not part of any cluster, but the DPP has state from a previous instance of a cluster [chars] with ID [chars].

**Explanation** DPP has persistent state about a previous cluster membership incarnation, but the interface is not part of any cluster.

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_ERR\_SME\_INTF\_MISMATCH\_NOT\_PROVISIONED: SME is not provisioned on slot [dec], but the DPP has state from a previous instance as a crypto node [chars] of a cluster [chars] with ID [chars].

**Explanation** DPP has persistent state about a previous cluster membership incarnation, but the switch has not provisioned the interface for SME.

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_CDISK\_DP\_SUCCESS: SME cdisk ([chars]) data preparation succeeded, disk-group ([chars]), cluster (name [chars], id %llx)

**Explanation** SME cdisk data preparation succeeded

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_CLUSTER\_INTF\_ADDED: SME interface now part of cluster [chars] with ID [chars] as a crypto node [chars] and certificate (len [dec] fingerprint [chars]).

**Explanation** Interface added to cluster successfully

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_CLUSTER\_INTF\_REMOVED: SME interface now removed from cluster [chars] with ID [chars] as a crypto node [chars] and certificate (len [dec] fingerprint [chars]).

**Explanation** Interface removed from cluster successfully

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_INTERFACE\_DOWN: SME Interface ([chars]) DOWN

**Explanation** SAN Interface was brought down

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_INTERFACE\_UP: SME Interface ([chars]) is UP

**Explanation** SAN Interface was brought up

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_IT\_NEXUS\_FAILURE: [chars]. [chars] bind failure. Reason: [chars]: [hex]

**Explanation** SME IT Nexus bind failed

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_KEY\_CREATE\_SUCCESS: Key created ([chars]) successfully in SME cluster (name [chars], id %llx)

**Explanation** SME key creation succeeded

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_KMC\_CONNECTION\_DOWN: Connection to KMC server [chars] is down with reason ([chars]) from local switch in SME cluster (name [chars], id %llx)

**Explanation** SME KMC connection down

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_KMC\_CONNECTION\_INIT\_FAIL: Connection initialization to KMC server [chars] from local switch in SME cluster (name [chars], id %llx) failed with error ([chars])

**Explanation** SME KMC connection initialization failed.

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_KMC\_CONNECTION\_INIT\_PASS: Connection initialization to KMC server [chars] from local switch in SME cluster (name [chars], id %llx) succeeded

**Explanation** SME KMC connection initialization succeeded.

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_KMC\_CONNECTION\_UP: Connection to KMC server [chars] is up from local switch in SME cluster (name [chars], id %llx)

**Explanation** SME KMC connection up.

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_KMC\_DELETE\_ALL\_KEYS\_SUCCESS: Delete all keys in cluster to KMC server succeeded, SME cluster (name [chars], id %llx)

**Explanation** SME KMC delete keys succeeded

**Recommended Action** No action is required.



**Message** SME\_CPP-5-LOG\_SME\_KMC\_DELETE\_KEYS\_SUCCESS: Delete keys for [chars] to KMC server succeeded, SME cluster (name [chars], id %llx)

**Explanation** SME KMC delete keys succeeded

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_KMC\_KEY\_ENTITY\_LOOKUP\_NOKEY: Key ([chars]) lookup from KMC server failed with error ([chars]), SME cluster (name [chars], id %llx)

**Explanation** SME KMC key lookup resulted in no key

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_KMC\_KEY\_ENTITY\_LOOKUP\_SUCCESS: Key ([chars]) lookup from KMC server succeeded, SME cluster (name [chars], id %llx)

**Explanation** SME KMC key lookup succeeded

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_KMC\_KEY\_LOOKUP\_SUCCESS: Key ([chars]) lookup from KMC server succeeded, SME cluster (name [chars], id %llx)

**Explanation** SME KMC key lookup succeeded

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_KMC\_KEY\_UPDATE\_SUCCESS: Key updates ([chars]) to KMC server succeeded, SME cluster (name [chars], id %llx)

**Explanation** SME KMC key updates succeeded

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_KMC\_MODIFY\_DISK\_STATUS\_SUCCESS: Key ([chars]) update disk status in KMC server succeeded, SME cluster (name [chars], id %llx)

**Explanation** SME KMC disk status update succeeded

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_MASTER\_KEY\_REKEYED: Master Key rekeyed successfully in SME cluster (name [chars], id %llx)

**Explanation** SME Master Key rekeyed

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_REPLACE\_SMARTCARD\_COMMIT: Replace smartcard process (type [chars]) committed [chars] in SME cluster (name [chars], id %llx)

**Explanation** SME KMC connection up

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_REPLACE\_SMARTCARD\_START: Replace smartcard process (type [chars]) initiated [chars] in SME cluster (name [chars], id %llx)

**Explanation** SME KMC connection up

**Recommended Action** No action is required.

**Message** SME\_CPP-5-LOG\_SME\_TAPE\_VOLUME\_GROUP\_REKEYED: Tape volume group ([chars]) rekeyed successfully in SME cluster (name [chars], id %llx)

**Explanation** SME Master Key rekeyed

**Recommended Action** No action is required.

**Message** SME\_CPP-5-SME\_DISABLED: SME Disabled

**Explanation** SME Service Disabled

**Recommended Action** No action is required.

**Message** SME\_CPP-5-SME\_DISK\_DP\_WAIT\_KMC: crypto disk data preparation (DG: [chars] CD NAME: [chars]) is waiting KMC validation of VPD

**Explanation** The data preparation is waiting for validation of VPD with KMC

**Recommended Action** No action is required.

**Message** SME\_CPP-5-SME\_DISK\_DP\_WAIT\_PATH\_ADD: crypto disk data preparation (DG: [chars] CD NAME: [chars]) is waiting paths to be added

**Explanation** The data preparation is waiting for paths to be added to the crypto disk

**Recommended Action** No action is required.

**Message** SME\_CPP-5-SME\_DISK\_DP\_WAIT\_PATH\_CFG: crypto disk data preparation (DG: [chars] CD NAME: [chars]) is waiting for the path (fabric: [chars] hwwn: 0x%Lx twwn: 0x%Lx vsan: [dec] lun\_id: [chars]) to be added

**Explanation** The data preparation is waiting for discovered path to be added

**Recommended Action** No action is required.

**Message** SME\_CPP-5-SME\_DISK\_DP\_WAIT\_PATH\_DISC: (DG: [chars] CD NAME: [chars]) is waiting for configured path (fabric: [chars] hwwn: 0x%Lx twwn: 0x%Lx vsan: [dec] lun\_id: [chars]) to be discovered

**Explanation** The data preparation is waiting for configured path to be discovered

**Recommended Action** No action is required.

**Message** SME\_CPP-5-SME\_ENABLED: SME Enabled

**Explanation** SME Service enabled

**Recommended Action** No action is required.

## SME\_CPP-SLOT#-2

**Message** SME\_CPP-SLOT#-2-LOG\_ERR\_SME\_DEVICE\_MISCONFIG: Different configured Devices under same physical LUN - Old Cluster Name:[chars] New Cluster Name:[chars] Old Group Name:[chars] New Group Name:[chars] Old Device Name:[chars] New Device Name:[chars]

**Explanation** Different configured devices under same physical LUN

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-2-LOG\_ERR\_SME\_ITL\_MISCONFIG: Different physical LUNs under same Tape Device - Device Name:[chars] Host PWWN:[chars] Tgt PWWN:[chars] LUN Id:[chars] Serial Num:[chars] Serial Num:[chars]

**Explanation** Different physical LUNs under same Tape Device

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-2-LOG\_ERR\_SME\_LUN\_MISCONFIG: Different physical LUNs under same ITL - Old Serial Num:[chars] New Serial Num:[chars]

**Explanation** Different physical LUNs under same ITL

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-2-LOG\_ERR\_SME\_TAPE\_BYPASS\_ENC: Bypassing encryption for partly written tape - Cluster:[chars] Tape Device:[chars] Serial Num:[chars]

**Explanation** This tape is currently not being encrypted

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-2-LOG\_ERR\_SME\_TAPE\_CTH\_FAIL: Bypassing encryption for current tape on failed CTH verification - Cluster:[chars] Tape Device:[chars] Serial Num:[chars]

**Explanation** This tape is currently not being encrypted because CTH verification has failed in DPP

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-2-LOG\_ERR\_SME\_TAPE\_KEY\_ERR: Getting tape keys from SUP failed - Cluster:[chars] Tape Device:[chars] Serial Num:[chars]

**Explanation** There was a failure retrieving keys from SUP for this tape

**Recommended Action** No action is required.

## SME\_CPP-SLOT#-3

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISC\_TIMEOUT: Module:[dec] Host-Target:[chars]

**Explanation** Discovery on this IT Nexus is taking too long, please check status

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_CAP\_CHANGED: capacity changed for lun VID: [chars] PID: [chars] DID: [chars] previous max\_lba: 0x%Lx blk\_sz: [dec] discovered max\_lba: [hex] blk\_sz: [dec] on ITL Host PWWN:[chars] Tgt PWWN:[chars] LUN Id:0x%Lx

**Explanation** The capacity of the disk seems to have changed

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_CPP\_ITL\_MISCONFIG: Disk ITL Host PWWN:[chars] Tgt PWWN:[chars] LUN Id:0x%Lx has been misconfigured under a non disk lun

**Explanation** Disk ITL has been misconfigured under non disk lun

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_CPP\_IT\_MISCONFIG: Tape device has been misconfigured under disk IT nexus [chars] hence skipping discovery of ITLs under this IT nexus

**Explanation** Remove misconfigured disk path under the tape device

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_CRYPT\_UPDATE\_ITL\_AUTH\_FAIL: ITL Host PWWN: [chars] Tgt PWWN: [chars] LUN Id: 0x%Lx with discovered VID: [chars] PID: [chars] DID: [chars] marked by SUP as failed authentication

**Explanation** SUP detected authentication failure on path

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_ENTITY\_INVALID: disk entity index invalid from KMC (cluster: [chars] DG: [chars] CD NAME: [chars] VID: [chars] PID: [chars] DID: [chars])

**Explanation** KMC returned an invalid disk entity index

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_INVALID\_CAPACITY: Disk capacity not supported. IT nexus: [chars] LUN Id: 0x%Lx VID: [chars] PID: [chars] max\_lba=[hex] max\_lba64=0x%Lx

**Explanation** The reported disk capacity is zero

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_ITL\_CREATE\_VPD\_MISMATCH: ITL Host PWWN: [chars] Tgt PWWN: [chars] LUN Id: 0x%Lx VID: [chars] PID: [chars] DID: [chars] doesnt match cdisk DG: [chars] CD NAME: [chars] VID: [chars] PID: [chars] DID: [chars]

**Explanation** The configured path does not belong to this disk

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_ITL\_MISCONFIG: ITL Host PWWN: [chars] Tgt PWWN: [chars] LUN Id: 0x%Lx part of DG: [chars] CD NAME: [chars] is misconfigured as the ITL VPD VID: [chars] PID: [chars] DID: [chars] belongs to a different cdisk DG: [chars] CD NAME: [chars]

**Explanation** The configured path does not belong to this disk

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_KEY\_INVALID: (CLUSTER: [chars] DG: [chars] CD NAME: [chars] keytype: [dec] keyguid: [chars] invalid

**Explanation** KMC returned an invalid disk key

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_KMC\_VERIFY\_PENDING: cluster: [chars] DG: [chars] CD NAME: [chars] VID: [chars] PID: [chars] DID: [chars]

**Explanation** Vpd of the discovered path pending verification with KMC

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_MISCONFIG: A disk device misconfiguration under disk config - Device Name:[chars] Host PWWN:[chars] Tgt PWWN:[chars] LUN Id:%Lx

**Explanation** A disk device misconfigured under disk config

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_PHYENCRYPT\_FAILED: CL: [chars] DG: [chars] CD: [chars] VID: [chars] PID: [chars] DID: [chars] ISAPI\_PhyCopyEncrypt() failed isapi status: [dec] copy status: [hex] scsi status: [hex] data preparation failed

**Explanation** ISAPI\_PhyCopyEncrypt() failed causing data preparation to fail

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_VPD\_CHANGED: VID, PID and DID changed on ITL Host PWWN:[chars] Tgt PWWN:[chars] LUN Id:0x%Lx previous VID: [chars] PID : [chars] DID: [chars] current VID: [chars] PID: [chars] DID: [chars]

**Explanation** The VPD of the disk seems to have changed

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DISK\_VPD\_MISMATCH: ITL Host PWWN:[chars] Tgt PWWN:[chars] LUN Id:0x%Lx failed authentication DISK VPD(VID id: [chars] PID: [chars] DID: [chars]) ITL(VID: [chars] PID: [chars] DID: [chars])

**Explanation** The configured path does not belong to this disk

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_DP\_TEST\_IO\_ERR: IT nexus [chars] lun [chars] isapi [hex] scsi [hex] sense/asc/ascq [hex]/[hex]/[hex]

**Explanation** ITL DP TEST IO failure, please check status

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_ITL\_CPP\_ERR: Module: [dec] Host-Target [chars]  
LunID: [chars]

**Explanation** ITL failure seen on CPP, please check status

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_IT\_NEXUS\_UNSUPPORTED: IT nexus [chars] has both disks and tapes which is an unsupported configuration

**Explanation** IT nexus has an unsupported mix of tape and disk devices

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_NON\_DISK\_MISCONFIG: A non-disk device misconfigured under disk config - Host PWWN:[chars] Tgt PWWN:[chars] LUN Id:%Lx

**Explanation** A non disk device misconfigured under disk config

**Recommended Action** No action is required.

**Message** SME\_CPP-SLOT#-3-LOG\_ERR\_SME\_NON\_TAPE\_MISCONFIG: A non-tape device misconfigured under tape config - Device Name:[chars] Host PWWN:[chars] Tgt PWWN:[chars] LUN Id:%Ld

**Explanation** A disk misconfigured under tape config

**Recommended Action** No action is required.

## SME\_CPP-SLOT#-4

**Message** SME\_CPP-SLOT#-4-LOG\_WARN\_SME\_MAX\_BLOCK\_LEN: Maximum block length [dec] of tape drive is 256K or less - [chars] LunID:[chars] VendorID:[chars] ProdID:[chars] Serial Num:[chars] Cluster:[chars] Tape Device:[chars]

**Explanation** This tape drive may not operate correctly with SME

**Recommended Action** No action is required.

## SNMPD Messages

This section contains the SNMPD messages.

## SNMPD-1

**Message** SNMPD-1-ALERT: SNMP log alert: [chars]

**Explanation** SNMP log alert message.

**Recommended Action** No action is required.

## SNMPD-2

**Message** SNMPD-2-CRITICAL: SNMP log critical: [chars]

**Explanation** SNMP log critical message.

**Recommended Action** No action is required.

## SNMPD-3

**Message** SNMPD-3-ERROR: SNMP log error: [chars]

**Explanation** SNMP log Message.

**Recommended Action** No action is required.

## SNMPD-4

**Message** SNMPD-4-WARNING: SNMP log warning: [chars]

**Explanation** SNMP log warning message.

**Recommended Action** No action is required.

## SNMPD-5

**Message** SNMPD-5-NOTIFICATION: SNMP log notification: [chars]

**Explanation** SNMP log notification message.

**Recommended Action** No action is required.



## SNMPD-6

**Message** SNMPD-6-INFO: SNMP log informational: [chars]

**Explanation** SNMP log info message.

**Recommended Action** No action is required.

## SNMPD-7

**Message** SNMPD-7-DEBUG: SNMP log debugging: [chars]

**Explanation** SNMP log debug message.

**Recommended Action** No action is required.

## SPAN Messages

This section contains the SPAN messages.

### SPAN-2

**Message** SPAN-2-MEM\_FULL: Memory allocation failed

**Explanation** Memory allocation failed

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

### SPAN-3

**Message** SPAN-3-IPC\_FAIL: IPC Error

**Explanation** Internal IPC error

**Recommended Action** No action is required.

**Message** SPAN-3-SYSINFO\_TIMEOUT: Span timed out waiting for response from port manager for sys info

**Explanation** Span request for critical system information from port manager timed out. So, span on the new active is exiting and system manager will restart Span.

**Recommended Action** No action is required.

## SPAN-5

**Message** SPAN-5-ATL\_VSAN\_DEFAULT\_ALL: Default to all VSANs for SPAN egress session

**Explanation** Generation 2 fabric switches support only one VSAN filter for egress SPAN session. If no or more than one VSANs are specified, SPAN will default to use all VSANs for the egress SPAN session

**Recommended Action** No action is required.

**Message** SPAN-5-SPAN\_CFG\_REJECT\_SRC\_VSAN\_FILTER\_NOT\_SUPPORTED: Source interface [[chars]] in dir [[chars]] removed from session [[dec]].

**Explanation** Interface level VSAN filters is not supported

**Recommended Action** No action is required.

**Message** SPAN-5-SPAN\_CFG\_REJECT\_VSAN\_SRC\_PRESENT: Source VSAN [[dec]] removed from session [[dec]].

**Explanation** Source VSANs are removed from the session as mixing of interface and VSANs is not supported.

**Recommended Action** No action is required.

**Message** SPAN-5-SPAN\_PSS\_CORRUPTION: Span is starting stateless due to PSS corruption

**Explanation** Due to unrecoverable PSS corruption error, SPAN starts stateless without any configuration

**Recommended Action** No action is required.

**Message** SPAN-5-STATELESS\_RESTART\_ON\_ACTIVE: Span is restarting as Span on active sup was restarted stateless.

**Explanation** Due to unrecoverable error, Span on active supervisor was restarted stateless. So, the standby Span restarts to get in sync with the stateless Span on active.

**Recommended Action** No action is required.

**Message** SPAN-5-STATELESS\_RESTART: Span is restarting stateless.

**Explanation** Due to unrecoverable error, Span is starting stateless. The currently active sessions will not be preserved. The user will have to reenter all the configuration.

**Recommended Action** No action is required.

## SPAN-6

**Message** SPAN-6-SESSION\_DOWN: Session [dec] is inactive ([chars])

**Explanation** Session [dec] is inactive now. Traffic for this session is no longer spanned

**Recommended Action** Check the reason for session inactive using command 'show span session' and take corresponding action.

**Message** SPAN-6-SESSION\_UP: Session [dec] is active, destination SD port [chars]

**Explanation** Session [dec] is active now. You can monitor Spanned traffic at the destination SD port

**Recommended Action** No action is required.

**Message** SPAN-6-STATELESS\_SWITCHOVER: Span is starting stateless after switchover.

**Explanation** Active sessions are not preserved across switchover. Span is starting stateless and the configuration will be reapplied to get back the active configuration.

**Recommended Action** No action is required.

## SPI Messages

This section contains the SPI messages.

### SPI-SLOT#-2

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

**Explanation** SPI Informational message

**Recommended Action** No action is required.

## STATSCLIENT Messages

This section contains the STATSCLIENT messages.

## STATSCLIENT-2

**Message** STATSCLIENT-2-STATSCL\_CRIT: [chars]

**Explanation** StatsClient Critical Message

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

## STATSCLIENT-3

**Message** STATSCLIENT-3-STATSCL\_ERR2: [chars] [dec] [dec]

**Explanation** StatsClient Error

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

**Message** STATSCLIENT-3-STATSCL\_ERR: [chars] [dec]

**Explanation** StatsClient Error

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

## STATSCLIENT-6

**Message** STATSCLIENT-6-STATSCL\_INFO: [chars]

**Explanation** StatsClient Flow Message

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

## STATSPROFILER Messages

This section contains the STATSPROFILER messages.

### STATSPROFILER-2

**Message** STATSPROFILER-2-IF\_CRITICAL\_FAILURE: (Debug syslog) Critical failure: [chars], [chars]

**Explanation** There was a critical failure in the component.

**Recommended Action** Please follow instructions on the syslog.

**Message** STATSPROFILER-2-IF\_DOWN\_ERROR\_DISABLED: Interface [chars] is down (Error disabled. Reason: [chars])

**Explanation** The interface encountered an error while configuring it

**Recommended Action** Collect more information about failed interface using command show port internal all interface [char]'. In most cases, you can recover using a 'shutdown' followed a 'noshutdown' on the interface on the interface or removing and re-inserting the fibre optic cable.

**Message** STATSPROFILER-2-IF\_DOWN\_LINK\_FAILURE\_CRIT: Interface [chars] is down (Link failure)

**Explanation** The physical link has gone down

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

**Message** STATSPROFILER-2-SEQ\_TIMEOUT: Component [chars] timed out on response to opcode [chars] ([chars])

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

**Recommended Action** None

**Message** STATSPROFILER-2-SYSLOG\_STATSPROFILER\_CRITICAL: Critical failure: [chars]

**Explanation** There was a critical failure in the component.

**Recommended Action** Please collect system tech-support

## STATSPROFILER-3

**Message** STATSPROFILER-3-IF\_DOWN\_CHANNEL\_ERR\_DISABLED: Interface [chars] is down (Channel error disabled)

**Explanation** This interface belongs to a PortChannel and the PortChannel is error disabled

**Recommended Action** Perform 'shut' and 'no shutdown' on the Port Channel interface that it belongs to

**Message** STATSPROFILER-3-IF\_ERROR\_VLANS\_REMOVED: VLANs [chars] on Interface [chars] are removed from suspended state.

**Explanation** The VLANs on an interface are being removed from the suspended state

**Recommended Action** No action is required.

**Message** STATSPROFILER-3-IF\_ERROR\_VLANS\_SUSPENDED: VLANs [chars] on Interface [chars] are being suspended. (Reason: [chars])

**Explanation** The VLANs on an interface are being suspended due to some protocol action

**Recommended Action** No action is required.

**Message** STATSPROFILER-3-IF\_SFP\_ALARM: Interface [chars], [chars]

**Explanation** There was an alarm on the transceiver module

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

**Message** STATSPROFILER-3-IF\_SFP\_ERROR: Interface [chars], [chars]

**Explanation** There was an error on the transceiver module

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

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

**Explanation** The transceiver for the interface specified in the Message is not a Cisco supported module

**Recommended Action** Replace the module with a compatible transceiver. If the transceiver was purchased from Cisco, please contact Cisco TAC to get the transceiver replaced

**Message** STATSPROFILER-3-IF\_XCVR\_ALARM: Interface [chars], [chars]

**Explanation** There was an alarm on the transceiver module

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

**Message** STATSPROFILER-3-IF\_XCVR\_ERROR: Interface [chars], [chars]

**Explanation** There was an error on the transceiver module

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

## STATSPROFILER-4

**Message** STATSPROFILER-4-IF\_NON\_QUALIFIED\_TRANSCEIVER: Non-qualified transceiver on interface [chars] was detected

**Explanation** The transceiver for the interface specified has not been qualified on this platform for this software release

**Recommended Action** Replace the module with a supported transceiver. Contact Cisco TAC to get platform transceiver qualification details

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

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

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

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

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

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

## STATSPROFILER-5

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

**Explanation** Interface is admin up

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_BANDWIDTH\_CHANGE: Interface [chars], bandwidth changed to [chars] Kbit

**Explanation** Bandwidth of the interface (port channel) has changed and this change is updated

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_ADMIN\_DOWN: Interface [chars] is down (Administratively down)

**Explanation** Interface has been configured to be administratively down

**Recommended Action** Perform 'noshutdown'

**Message** STATSPROFILER-5-IF\_DOWN\_CFG\_CHANGE: Interface [chars] is down(Config change)

**Explanation** FCIP interface temporarily down due to reconfiguration

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_CHANNEL\_ADMIN\_DOWN: Interface [chars] is down (Channel admin down)

**Explanation** This interface belongs to a Port Channel and the PortChannel is configured to be administratively down

**Recommended Action** Perform 'no shutdown' on the Port Channel interface that it belongs to

**Message** STATSPROFILER-5-IF\_DOWN\_CHANNEL\_MEMBERSHIP\_UPDATE\_IN\_PROGRESS: Interface [chars] is down (Channel membership update in progress)

**Explanation** The interface belongs to a Port Channel and a configuration is being attempted on the interface while there is a configuration in progress on the Port Channel

**Recommended Action** Retry the configuration again

**Message** STATSPROFILER-5-IF\_DOWN\_DOMAIN\_ADDR\_ASSIGN\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to domain id assignment failure)

**Explanation** Isolated due to a failure while assigning a domain

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_DOMAIN\_INVALID\_RCF\_RECEIVED: Interface [chars] is down (Isolation due to invalid fabric reconfiguration)

**Explanation** Invalid RCF received

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_DOMAIN\_MANAGER\_DISABLED: Interface [chars] is down (Isolation due to domain manager disabled)

**Explanation** Isolated due to domain manager being disabled

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_DOMAIN\_MAX\_RETRANSMISSION\_FAILURE: Interface [chars] is down (Isolation due to domain manager other side not responding)

**Explanation** Remote end domain manager not responding

**Recommended Action** No action is required.



**Message** STATSPROFILER-5-IF\_DOWN\_DOMAIN\_OTHER\_SIDE\_EPORT\_ISOLATED: Interface [chars] is down (Isolation due to domain other side eport isolated)

**Explanation** Isolating this interface due to the remote end being isolated

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_DOMAIN\_OVERLAP\_ISOLATION: Interface [chars] is down (Isolation due to domain overlap)

**Explanation** Isolated due to domain overlap

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to ELP failure)

**Explanation** ELP failed on the interface

**Recommended Action** Check the output of 'show port internal info' in the 'ELP failure reason' field

**Message** STATSPROFILER-5-IF\_DOWN\_EPP\_FAILURE: Interface [chars] is down (Error Disabled - EPP Failure)

**Explanation** Trunk protocol failed

**Recommended Action** 'show port internal event-history msgs' will indicate the trunk protocol exchanges to determine why it failed

**Message** STATSPROFILER-5-IF\_DOWN\_ESC\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to ESC failure)

**Explanation** ESC failed on the interface

**Recommended Action** Check the output of 'show port internal event-history' to determine the ESC protocol exchanges to determine how it failed

**Message** STATSPROFILER-5-IF\_DOWN\_ETH\_IF\_DOWN: Interface [chars] is down(Tunnel port src interface down)

**Explanation** Ethernet link to which the FCIP interface is bound is down

**Recommended Action** Ensure that the ethernet cable is connected, the interface is administratively enabled

**Message** STATSPROFILER-5-IF\_DOWN\_ETH\_LINK\_DOWN: Interface [chars] is down(Tunnel port src interface link down)

**Explanation** Ethernet link to which the FCIP interface is bound is down

**Recommended Action** Ensure that the ethernet cable is connected and the remote end is also active

**Message** STATSPROFILER-5-IF\_DOWN\_FCOT\_NOT\_PRESENT: Interface [chars] is down (FCOT not present)

**Explanation** The FCOT has been removed

**Recommended Action** Insert an FCOT

**Message** STATSPROFILER-5-IF\_DOWN\_FCOT\_VENDOR\_NOT\_SUPPORTED: Interface [chars] is down (Error disabled - Fcot vendor not supported)

**Explanation** Fcot inserted is not a supported one

**Recommended Action** Please contact customer support for a list of authorized transceiver vendors

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

**Explanation** The modules hardware has failed

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

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

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

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

**Message** STATSPROFILER-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_MODE: Interface [chars] is down (Error disabled - Incompatible admin port mode)

**Explanation** The configured mode is not supported on this interface

**Recommended Action** Perform a 'show port internal info' to determine the list of modes supported on this interface

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

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

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

**Message** STATSPROFILER-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_RXBUFSIZE: Interface [chars] is down (Error disabled - Incompatible admin port rxbufsize)

**Explanation** The configured receive buffer size is not supported

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

**Message** STATSPROFILER-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_SPEED: Interface [chars] is down (Error disabled - Incompatible admin port speed)

**Explanation** The configured speed is not supported on this interface

**Recommended Action** Perform a 'show port internal info' to determine the range of speed supported on this interface

**Message** STATSPROFILER-5-IF\_DOWN\_INITIALIZING: Interface [chars] is down (Initializing)

**Explanation** The interface is in the process of coming up

**Recommended Action** If the interface is stuck in this state for a while, check the output of 'show port internal event-history' to determine what it is waiting for.

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

**Explanation** Interface removed

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_LINK\_FAILURE: Interface [chars] is down (Link failure)

**Explanation** The physical link has gone down

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

**Message** STATSPROFILER-5-IF\_DOWN\_LOOPBACK\_DIAG\_FAILURE: Interface [chars] is down (Diag failure)

**Explanation** Diag failed on the interface

**Recommended Action** Collect more information about failed interface using command 'attach module' to connect to module

**Message** STATSPROFILER-5-IF\_DOWN\_LOOPBACK\_ISOLATION: Interface [chars] is down (Isolation due to port loopback to same switch)

**Explanation** The interface is looped back to another interface on the same switch

**Recommended Action** Check the connectivity of this interface and ensure that it is connected to another switch

**Message** STATSPROFILER-5-IF\_DOWN\_MODULE\_REMOVED: Interface [chars] is down (module removed)

**Explanation** Interface is down because the module was removed

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_NONE: Interface [chars] is down ([chars])

**Explanation** Interface is down with a possible reason.

**Recommended Action** Collect more information about port using command 'show port internal info/event-history' to determine why it went down

**Message** STATSPROFILER-5-IF\_DOWN\_NON\_PARTICIPATING: Interface [chars] is down (Non participating)

**Explanation** The loop port has been put into non participating mode

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_OFFLINE: Interface [chars] is down (Offline)

**Explanation** The interface has been placed into the offline state

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_PARENT\_ADMIN\_DOWN: Interface [chars] is down (Parent interface down)

**Explanation** Parent interface is down

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_PEER\_CLOSE: Interface [chars] is down(TCP conn. closed by peer)

**Explanation** The FCIP peer connected to this interface closed the TCP connection

**Recommended Action** This command will provide the peer IP address of this FCIP interface: show interface. Check to see why the peer closed the TCP connection

**Message** STATSPROFILER-5-IF\_DOWN\_PEER\_RESET: Interface [chars] is down(TCP conn. reset by peer)

**Explanation** TCP connection to the FCIP peer got reset

**Recommended Action** The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Check to see why the peer reset the TCP connection

**Message** STATSPROFILER-5-IF\_DOWN\_PORT\_CHANNEL\_MEMBERS\_DOWN: Interface [chars] is down (No operational members)

**Explanation** This is a Port Channel interface and all its members are operationally down

**Recommended Action** Enable at least one of the PortChannel members

**Message** STATSPROFILER-5-IF\_DOWN\_PORT\_VSAN\_MISMATCH\_ISOLATION: Interface [chars] is down (Isolation due to port vsan mismatch)

**Explanation** Isolated due to a mismatch in the configured port VSAN of the local and remote ends

**Recommended Action** Configure the port VSAN of the local and remote interfaces to be the same and perform a 'shutdown' and a 'noshutdown'

**Message** STATSPROFILER-5-IF\_DOWN\_RCF\_IN\_PROGRESS: Interface [chars] is down (RCF in progress)

**Explanation** There is an RCF in progress

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_SOFTWARE\_FAILURE: Interface [chars] is down (Port software failure)

**Explanation** The software servicing the data path on the port has failed

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_SRC\_MOD\_NOT\_ONLINE: Interface [chars] is down(Tunnel source module not online)

**Explanation** Module that has the tunnel source port of this FCIP interface is not fully online

**Recommended Action** The module that has the tunnel src port is coming online. Please use show mod to find module status

**Message** STATSPROFILER-5-IF\_DOWN\_SRC\_PORT\_NOT\_BOUND: Interface [chars] is down (Tunnel port src interface unbound)

**Explanation** Tunnel port source interface unbound

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_SRC\_PORT\_REMOVED: Interface [chars] is down (Tunnel src port removed)

**Explanation** Tunnel source port of this FCIP interface has been removed

**Recommended Action** The src interface with ip address that matches the ip address of the bound entity is removed. This happens normally due to the module on which the src interface exists is removed

**Message** STATSPROFILER-5-IF\_DOWN\_SUSPENDED\_BY\_MODE: Interface [chars] is down (Suspended due to incompatible mode)

**Explanation** This interface belongs to a PortChannel and operational mode of the interface is different from that of the PortChannel

**Recommended Action** Change the mode and the trunking mode of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

**Message** STATSPROFILER-5-IF\_DOWN\_SUSPENDED\_BY\_SPEED: Interface [chars] is down (Suspended due to incompatible speed)

**Explanation** This interface belongs to a PortChannel and operational speed of the interface is different from that of the PortChannel

**Recommended Action** Change the speed of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

**Message** STATSPROFILER-5-IF\_DOWN\_SUSPENDED\_BY\_WWN: Interface [chars] is down (Suspended due to incompatible remote switch WWN)

**Explanation** This interface belongs to a PortChannel and remote switch WWN of the interface is different from that of the PortChannel

**Recommended Action** Ensure that this interface is connected to the same remote switch as all the other interfaces in the PortChannel

**Message** STATSPROFILER-5-IF\_DOWN\_SUSPENDED: Interface [chars] is down (Suspended)

**Explanation** This interface belongs to a PortChannel and has been suspended due to an error while bringing it up

**Recommended Action** Perform a 'shutdown' and a 'no shutdown'. If this happens again obtain output of 'show port internal info/event-history' on the interface

**Message** STATSPROFILER-5-IF\_DOWN\_TCP\_KEEP\_ALIVE\_EXPIRED: Interface [chars] is down(TCP conn. closed - Keep alive expired)

**Explanation** TCP session to the FCIP peer got closed due to loss of TCP keep alive

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** STATSPROFILER-5-IF\_DOWN\_TCP\_MAX\_RETRANSMIT: Interface [chars] is down(TCP conn. closed - retransmit failure)

**Explanation** Interface is down due to maximum retransmission failure

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** STATSPROFILER-5-IF\_DOWN\_TCP\_PERSIST\_TIMER\_EXPIRED: Interface [chars] is down(TCP conn. closed - Persist timer expired)

**Explanation** TCP session to the FCIP peer closed because TCP persist timer expired

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** STATSPROFILER-5-IF\_DOWN\_UPGRADE\_IN\_PROGRESS: Interface [chars] is down (Linecard upgrade in progress)

**Explanation** Upgrade of the linecard software is in progress

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_VRF\_UNUSABLE: Interface [chars] is down (Vrf down)

**Explanation** The VRF for which this interface is a member is removed

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_VSAN\_MISMATCH\_ISOLATION: Interface [chars] is down (Isolation due to vsan mismatch)

**Explanation** This is a trunking interface and the VSANs configured do not match with the VSANs configured on the remote end

**Recommended Action** Check the VSANs configured on the local end with the remote end

**Message** STATSPROFILER-5-IF\_DOWN\_ZONE\_MERGE\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to zone merge failure)

**Explanation** Isolated due to a failure during zone merge

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DOWN\_ZONE\_REMOTE\_NO\_RESP\_ISOLATION: Interface [chars] is down (Isolation due to remote zone server not responding)

**Explanation** Isolated due to remote zone server not responding.

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_DUPLEX: Interface [chars], operational duplex mode changed to [chars]

**Explanation** Operational duplex mode has changed when link came up.

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_ERRDIS\_RECOVERY: Interface [chars] is being recovered from error disabled state (Last Reason:[chars])

**Explanation** Interface is being recovered from error disabled state.

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_HARDWARE: Interface [chars], hardware type changed to [chars]

**Explanation** There was a change in the hardware characteristic of an interface, such as a transceiver module plugged in or removed.

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_L2MP\_MODE: Interface [chars], l2mp-mode changed to [chars]

**Explanation** The l2mp-mode on the port has changed

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_RX\_FLOW\_CONTROL: Interface [chars], operational Receive Flow Control state changed to [chars]

**Explanation** Operational receive flow control has changed when link came up

**Recommended Action** No action is required.



**Message** STATSPROFILER-5-IF\_TRUNK\_DOWN: Interface [chars], vlan [chars] down

**Explanation** Interface [chars] is trunking, VLANs [chars] are down

**Recommended Action** The following commands will help determine why this VSAN is down on this interface: show interface, show port internal info interface VSAN, show port internal event-history interface vsan

**Message** STATSPROFILER-5-IF\_TRUNK\_UP: Interface [chars], vlan [chars] up

**Explanation** Interface [chars] is trunking, VLANs [chars] are up.

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_TX\_FLOW\_CONTROL: Interface [chars], operational Transmit Flow Control state changed to [chars]

**Explanation** Operational transmit flow control has changed when link came up

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-IF\_UP: Interface [chars] is up [chars]

**Explanation** Interface is up in mode specified, if applicable.

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-SPEED: Interface [chars], operational speed changed to [chars]

**Explanation** Operational speed has changed when link came up.

**Recommended Action** No action is required.

**Message** STATSPROFILER-5-STORM\_CONTROL\_ABOVE\_THRESHOLD: Traffic in port [chars] exceeds the configured threshold [chars]

**Explanation** Traffic on specified port is beyond the configured storm-control threshold, and the excess traffic is being dropped.

**Recommended Action** Identify source of traffic storm.

**Message** STATSPROFILER-5-STORM\_CONTROL\_BELOW\_THRESHOLD: Traffic in port [chars] has fallen below the configured threshold [chars]

**Explanation** Traffic on specified port has returned to within configured storm-control threshold.

**Recommended Action** No action is required.

## STP Messages

This section contains the STP messages.

### STP-2

**Message** STP-2-BLOCK\_BPDUGUARD: Received BPDU on port [chars] with BPDU Guard enabled. Disabling port.

**Explanation** A BPDU was received in the interface specified in the Message that has the spanning tree BPDU Guard feature enabled. As a result, the interface was administratively shut down.

**Recommended Action** Either remove the device sending BPDUs or disable the BPDU Guard feature. The BPDU Guard feature can be locally configured on the interface or globally configured on all ports that have port-fast enabled. After the conflict has been resolved, re-enable the interface by entering the <CmdBold>

**Message** STP-2-BLOCK\_DETECTED\_PVST\_PEER: Blocking port [chars] [PVST peer detected].

**Explanation** The listed interface received SSTP BPDU indicating that peer is running PVST and will be held in spanning tree blocking state until the interface stops receiving SSTP BPDUs

**Recommended Action** Either enable PVST simulation configuration for the interface or make sure the port peer is not PVST switch

**Message** STP-2-BLOCK\_PVID\_LOCAL: Blocking [chars] on [chars]. Inconsistent local vlan.

**Explanation** The spanning tree port associate with the listed spanning tree instance and interface will be held in spanning tree blocking state until the Port VLAN ID (PVID) inconsistency is resolved. The listed spanning tree instance is that of the native VLAN id of the listed interface.

**Recommended Action** Verify that the configuration of the native VLAN id is consistent on the interfaces on each end of the 802.1Q trunk connection. Once corrected, spanning tree will automatically unblock the interfaces as appropriate.

**Message** STP-2-BLOCK\_PVID\_PEER: Blocking [chars] on [chars]. Inconsistent peer vlan.

**Explanation** The spanning tree port associate with the listed spanning tree instance and interface will be held in spanning tree blocking state until the port VLAN Id (PVID) inconsistency is resolved. The listed spanning tree instance is that of the native VLAN id of interface on the peer switch to which the listed interface is connected.

**Recommended Action** Verify that the configuration of the native VLAN id is consistent on the interfaces on each end of the 802.1Q trunk connection. Once corrected, spanning tree will automatically unblock the interfaces as appropriate.

**Message** STP-2-BRIDGE\_ASSURANCE\_BLOCK: Bridge Assurance blocking port [chars] [chars].

**Explanation** BPDUs were not received from a neighboring switch on the interface that has spanning tree Bridge Assurance configured. As a result, the interface was moved to the spanning tree Blocking state

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-2-BRIDGE\_ASSURANCE\_UNBLOCK: Bridge Assurance unblocking port [chars] [chars].

**Explanation** The interface listed in the message has been restored to normal spanning tree state after receiving BPDUs from the neighboring L2 switch/bridge

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-2-DISPUTE\_CLEARED: Dispute resolved for port [chars] on [chars].

**Explanation** The listed interface has stopped receiving Inferior BPDUs with designated role and state as learning and/or forwarding. The Dispute has been resolved and if the port is still designated, it will be taken out of the blocking state as and when appropriate.

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-2-DISPUTE\_DETECTED: Dispute detected on port [chars] on [chars].

**Explanation** The spanning tree has detected a Dispute on this interface. The BPDU received from the peer is Inferior with designated role and state as learning and/or forwarding. Since this condition could be caused by an unidirectional link failure, the interface is put into blocking state and marked as disputed in order to prevent possible loops from being created

**Recommended Action** Issue the <CmdBold>

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

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

**Recommended Action** No action is required.

**Message** STP-2-L2GW\_BACKBONE\_BLOCK: L2 Gateway Backbone port inconsistency blocking port [chars] on [chars].

**Explanation** A BPDU was received on the listed interface which advertises a superior spanning tree root bridge to that currently in use. The interface is put into blocking state and marked as L2 Gateway Backbone port inconsistent in order to prevent a suboptimal spanning tree topology to form.

**Recommended Action** Issue the <CmdBold>

**Message** STP-2-L2GW\_BACKBONE\_UNBLOCK: L2 Gateway Backbone port inconsistency cleared unblocking port [chars] on [chars].

**Explanation** The listed interface is no longer receiving BPDUs advertising a superior root bridge. The L2 Gateway Backbone port inconsistency is cleared for the interface and then it is taken out of the blocking state if appropriate.

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-2-LOOPGUARD\_BLOCK: Loop guard blocking port [chars] on [chars].

**Explanation** The spanning tree message age timer has expired because and no BPDUs were received from the designated bridge. Since this condition could be caused by an unidirectional link failure, the interface is put into blocking state and marked as loop guard inconsistent in order to prevent possible loops from being created

**Recommended Action** Issue the <CmdBold>

**Message** STP-2-LOOPGUARD\_CONFIG\_CHANGE: Loop guard [chars] on port [chars].

**Explanation** The spanning tree loop guard configuration for the listed interface has been changed. If enabled, the interface will be put into blocking state and marked as loop guard inconsistent when the message age timer expires because no BPDU were received from the designated bridge. This feature is mainly used to detect unidirectional links

**Recommended Action** Verify that this is the desired configuration for the listed interface. Correct it if this is not the desired configuration otherwise no further action is required.

**Message** STP-2-LOOPGUARD\_UNBLOCK: Loop guard unblocking port [chars] on [chars].

**Explanation** The listed interface has received a BPDU and therefore if the inconsistency was due to an unidirectional link failure, now the problem is not there anymore. The loop guard inconsistency is cleared for the interface which is taken out of the blocking state if appropriate.

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-2-PVSTSIM\_FAIL: Blocking [chars] port [chars]: Inconsistent [chars] PVST BPDU received on VLAN [dec], claiming root [chars]

**Explanation** When a MST switch is connected to a PVST+ switch, the CIST (MST00) information on the port of the MST switch must be consistently better than all the PVST+ messages if the port is designated or consistently worse than all the PVST+ messages if the port is root. If this constraint is not respected, the port on the MST switch is blocked in order to prevent a potential bridging loop

**Recommended Action** When STP is converging after a new switch, or switch port is added to the topology, this condition may happen transiently. The port unblocks automatically in such cases. If the port remains blocked, identify the root bridge as reported in the message, and configure a worse or better priority for the VLAN spanning tree consistent with the CIST role on the port of the MST switch. There could be more inconsistencies than the message indicates, and the port will not recover until all such inconsistencies are cleared. If you cannot determine which other VLANs have inconsistencies, disable and reenab the port. This message will appear again and specify another VLAN with inconsistencies to be fixed. Repeat this process until all inconsistencies on all VLANs are cleared.

**Message** STP-2-PVSTSIM\_OK: PVST Simulation inconsistency cleared on port [chars].

**Explanation** The listed interface is no longer receiving PVST BPDUs advertising an information inconsistent with the CIST port information. The PVST Simulation Inconsistency is cleared and the interface returns to normal operation

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-2-RANDNUM\_FAIL: [chars]

**Explanation** There was a critical error during random number generation. [chars] indicates details of the error

**Recommended Action** No action is required.

**Message** STP-2-RECV\_BAD\_TLV: Received SSTP BPDU with bad TLV on [chars] [chars].

**Explanation** The list interface received a SSTP BPDU that was missing the VLAN id tag. The BPDU is discarded.

**Recommended Action** No action is required.

**Message** STP-2-RECV\_PVID\_ERR: Received BPDU with inconsistent peer vlan id [dec] on [chars] [chars].

**Explanation** The listed interface received a SSTP BPDU that is tagged with a VLAN id that does not match the VLAN id on which the BPDU was received. This occurs when the native VLAN is not consistently configured on both ends of a 802.1Q trunk.

**Recommended Action** Verify that the configuration of the native VLAN id is consistent on the interfaces on each end of the 802.1Q trunk connection. Once corrected, spanning tree will automatically unblock the interfaces as appropriate.

**Message** STP-2-ROOTGUARD\_BLOCK: Root guard blocking port [chars] on [chars].

**Explanation** A BPDU was received on the listed interface which advertizes a superior spanning tree root bridge to that currently in use. The interface is put into blocking state and marked as root guard inconsistent in order to prevent a suboptimal spanning tree topology to form.

**Recommended Action** Issue the <CmdBold>

**Message** STP-2-ROOTGUARD\_CONFIG\_CHANGE: Root guard [chars] on port [chars].

**Explanation** The spanning tree root guard configuration for the listed interface has been changed. If enabled, any BPDU received on this interface which advertizes a superior spanning tree root bridge to that already in use will cause the interface to be put into blocking state and marked as root guard inconsistent.

**Recommended Action** Verify that this is the desired configuration for the listed interface. Correct it if this is not the desired configuration otherwise no further action is required.

**Message** STP-2-ROOTGUARD\_UNBLOCK: Root guard unblocking port [chars] on [chars].

**Explanation** The listed interface is no longer receiving BPDUs advertising a superior root bridge. The root guard inconsistency is cleared for the interface and then it is taken out of the blocking state if appropriate.

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-2-SET\_PORT\_STATE\_FAIL: Port state change req to PIXM failed, status = [hex] [[chars]] vdc [dec], tree id [dec], num ports [dec], ports [chars] state [chars], opcode [chars], msg id ([dec]), rr\_token [hex]

**Explanation** The port set port state has failed. check port

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-2-SET\_PORT\_STATE\_TIMEOUT: Port state change req to PIXM timedout after [dec] sec. vdc [dec], tree id [dec], num ports [dec], ports [chars] state [chars], opcode [chars], msg id ([dec]), rr\_token [hex]

**Explanation** The port set port state has timedout. check port

**Recommended Action** LOG\_STD\_NO\_ACTION

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

**Explanation** STP initialization failed

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

**Message** STP-2-STP\_ISSU\_LC\_RESET: STP resetting LC [dec] to prevent Loops during ISSU caused by a topology change in the network. Peer on [chars] [chars] could not be Disputed

**Explanation** This can happen as a result of a topology change in the network while the Linecard was undergoing ISSU. Since STP cannot change the port state to blocking on the Linecard undergoing ISSU, it will first try to prevent the Loop by causing a Dispute on the peer ports forcing them into blocking state. But if the peer does not support Dispute mechanism, and STP detects a potential Loop, it will reset the Linecard to prevent the Loop

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-2-UNBLOCK\_CONSIST\_PORT: Unblocking port [chars] on [chars]. Port consistency restored.

**Explanation** The Port VLAN ID and/or Port Type inconsistencies have been resolved and spanning tree will now unblock the listed interface of the listed spanning tree instance as appropriate.

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-2-UNBLOCK\_DETECTED\_PVST\_PEER: Unblocking port [chars] [PVST peer detected].

**Explanation** The listed interface has stopped receiving SSTP BPDUs and so will be restored to normal spanning tree state

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-2-VLAN\_PORT\_LIMIT\_EXCEEDED: The number of vlan-port instances exceeded [[chars] mode] recommended limit of [dec]

**Explanation** The total number of individual VLAN ports, in the spanning tree mode specified in the Message, has exceeded the limit specified in the Message. VLANs can be counted more than once; if VLAN 1 is carried on 10 interfaces, it will count as 10 VLAN ports. Note that bundling is ignored for purposes of this count; if 8 interfaces on the same module are in one bundle, and the port channel is carrying VLAN 1, it will count as 1 VLAN ports.

**Recommended Action** Reduce the number of trunks and VLANs configured in the switch. Keep the VLAN port count below the recommended limit specified in the configuration documentation. Enter the <CmdBold>

**Message** STP-2-VPC\_PEERSWITCH\_CONFIG\_DISABLED: vPC peer-switch configuration is disabled. Please make sure to change spanning tree bridge priority as per the recommended guidelines.

**Explanation** The vPC peer-switch configuration has been changed. If enabled, please make sure to configure spanning tree bridge priority as per the recommended guidelines. If disabled, please make sure to change spanning tree bridge priority as per the recommended guidelines.

**Recommended Action** Verify that this is the desired configuration and follow the vPC peer-switch recommended guidelines.

**Message** STP-2-VPC\_PEERSWITCH\_CONFIG\_ENABLED: vPC peer-switch configuration is enabled. Please make sure to configure spanning tree bridge priority as per recommended guidelines to make vPC peer-switch operational.

**Explanation** The vPC peer-switch configuration has been changed. If enabled, please make sure to configure spanning tree bridge priority as per the recommended guidelines. If disabled, please make sure to change spanning tree bridge priority as per the recommended guidelines.

**Recommended Action** Verify that this is the desired configuration and follow the vPC peer-switch recommended guidelines.

**Message** STP-2-VPC\_PEER\_LINK\_INCONSIST\_BLOCK: vPC peer-link detected [chars] blocking [chars] [chars].

**Explanation** VPC Peer-link detected the STP inconsistency mentioned in the message. This will impact the STP topology for vPCs and can cause frame duplications. As a result, the interface was moved to the spanning tree Blocking state

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-2-VPC\_PEER\_LINK\_INCONSIST\_ERRDISABLE: vPC Peer-link detected [chars]. Disabling [chars].

**Explanation** VPC Peer-link detected the STP inconsistency mentioned in the message. This will impact the STP topology for vPCs and can cause frame duplications. As a result, the vPC Peer-link was administratively shut down.

**Recommended Action** Please resolve the inconsistency reported in this message on the vPC Peer link. After the conflict has been resolved, re-enable the interface by entering the <CmdBold>

**Message** STP-2-VPC\_PEER\_LINK\_INCONSIST\_UNBLOCK: vPC peer-link inconsistency cleared unblocking [chars] [chars].

**Explanation** VPC Peer-link inconsistency is cleared and the vPC interface listed in the message has been restored to normal spanning tree state.

**Recommended Action** LOG\_STD\_NO\_ACTION

## STP-3

**Message** STP-3-BLOCK\_PORT\_TYPE: Blocking [chars] on [chars]. Inconsistent port type.

**Explanation** The listed interface is being held in spanning tree blocking state until the port type inconsistency is resolved.

**Recommended Action** Verify that the configuration and operational state of the listed interface and that of the interface to which it is connected have the same mode (access vs trunk). If mode is trunk, verify the same encapsulation (ISL, 802.1Q). Once these parameters are consistent, spanning tree will automatically unblock the interfaces as appropriate.



**Message** STP-3-PORT\_SELF\_LOOPED: Received BPDU src mac same as that of port. Port self loopback detected. Port [chars] being disabled

**Explanation** The source MAC address contained in a BPDU received on the listed interface matches the MAC address assigned to that interface This indicates the possibility that a port is looped back to itself, possibly due to a diagnostic cable being plugged in. The interface will be administratively shutdown.

**Recommended Action** Check the interface configuration and any cable plugged into the interface. Once problem resolved, re-enable interface by doing a no shutdown in the interface configuration. Copy the Message as it is printed and also copy the output of a show interface for the interface listed in the Message.

**Message** STP-3-RECV\_1Q\_NON\_TRUNK: Received 802.1Q BPDU on non trunk [chars] [chars].

**Explanation** A SSTP BPDU was received on the listed interface that was not operationally a trunk.

**Recommended Action** Verify that the configuration and operational state of the listed interface and that of the interface to which it is connected have the same mode (access vs trunk). If mode is trunk, verify the same encapsulation (none, ISL, 802.1Q). Once these parameters are consistent, spanning tree will automatically unblock the interfaces as appropriate.

## STP-4

**Message** STP-4-FORWARDTIME\_CONFIG\_CHANGE: Forward Delay time change to [dec] seconds for instance [chars] is not recommended as it can cause STP data loops during High Availability Dual-Supervisor Switchover and In-Service Software Upgrade

**Explanation** It is strongly recommended to avoid changing forward delay time value to less than the default value of 15 seconds since it can cause STP data loops during High Availability Dual-Supervisor Switchover and also during In-Service Software Upgrade. Please read the release notes.

**Recommended Action** Please change the forward delay time to be greater than or equal to the default value of 15 seconds

**Message** STP-4-HELLOTIME\_CONFIG\_CHANGE: Hello time change to [dec] seconds for instance [chars] is not recommended as it can trigger STP Topology Changes during High Availability Dual-Supervisor Switchover and In-Service Software Upgrade

**Explanation** It is strongly recommended to avoid changing Hello time value to less than the default value of 2 seconds since it can trigger STP Topology change during High Availability Dual-Supervisor Switchover and also during In-Service Software Upgrade. Please read the release notes.

**Recommended Action** Please change the hello time to be greater than or equal to the default value of 2 seconds.

**Message** STP-4-MAC\_ADDR\_FLUSH\_REQ\_TIMEOUT: MAC Address Flush req to L2FM timedout after [dec] sec. vdc [dec], tree id [dec], num ports [dec], ports [chars], opcode [chars], msg id ([dec]), rr\_token [hex]

**Explanation** The MAC Address Flush Request to L2FM has timedout. check port

**Recommended Action** LOG\_STD\_NO\_ACTION

## STP-6

**Message** STP-6-FIRST\_BPDU\_TX: First BPDU transmitted

**Explanation** First BPDU transmitted.

**Recommended Action** No action is required.

**Message** STP-6-MST\_DIGEST: MST digest changed to [chars], pre-std digest changed to [chars]

**Explanation** MST Region configuration has changed

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-MST\_PORT\_BOUNDARY: Port [chars] [chars] as MST Boundary port

**Explanation** MST Boundary port status of the specified port is changed

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-MST\_PORT\_PRE\_STANDARD: Port [chars] [chars] as MST Pre-standard port.

**Explanation** MST pre-standard status of the specified port is changed

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-PORT\_ADDED: Interface [chars], added to [chars] with role [chars], state [chars], cost [dec], priority [dec], link-type [chars]

**Explanation** This spanning tree port has been added

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-PORT\_COST: Port [chars] instance [chars] cost changed to [dec]

**Explanation** The spanning tree port cost has changed for the specified port

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-PORT\_DELETED: Interface [chars], removed from [chars]

**Explanation** This spanning tree port has been deleted

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-PORT\_LINK\_TYPE: Port [chars] instance [chars] link changed to [chars]

**Explanation** The spanning tree port link type has changed for the specified port

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-PORT\_PRIORITY: Port [chars] instance [chars] priority changed to [dec]

**Explanation** The spanning tree port priority has changed for the specified port

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-PORT\_RANGE\_ADDED: Interface [chars] added to [chars] with cost [dec], priority [dec], link-type [chars]

**Explanation** This spanning tree port has been added

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-PORT\_RANGE\_DELETED: Interface [chars] removed from [chars]

**Explanation** This range spanning tree logical ports has been deleted

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-PORT\_RANGE\_ROLE: new\_role= [chars] interface= [chars] [chars]

**Explanation** The role of the range of spanning tree logical ports has changed

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-PORT\_RANGE\_STATE: new\_state= [chars] interface= [chars] [chars]

**Explanation** The range of Spanning-Tree logical ports have changed state.

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-PORT\_ROLE: Port [chars] instance [chars] role changed to [chars]

**Explanation** The spanning tree port role has changed for the specified port

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-PORT\_STATE: Port [chars] instance [chars] moving from [chars] to [chars]

**Explanation** The Spanning-Tree port has changed state.

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-PRESTD\_NEIGH: This switch has received a pre-standard MST BPDU on port [chars]: Invoking pre-standard MST BPDU transmission on this port.

**Explanation** The switch has received a pre-standard MST BPDU on a port. The switch will automatically adjust its mode of operation on this port and will start sending pre-standard BPDUs.

**Recommended Action** LOG\_STD\_NO\_ACTION

**Message** STP-6-ROOT: Root bridge for [chars] changed to [chars]

**Explanation** The spanning tree root bridge has changed

**Recommended Action** LOG\_STD\_NO\_ACTION

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

**Explanation** STP line 2.

**Recommended Action** No action is required.

**Message** STP-6-STATE\_CREATED: Internal state created [chars]

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

**Recommended Action** No action is required.

## SVC\_BATTERY Messages

This section contains the SVC\_BATTERY messages.

## SVC\_BATTERY-SLOT#-2

**Message** SVC\_BATTERY-SLOT#-2-BATTERY\_NOT\_OPERATIONAL: Battery [dec] temperature [dec] C is outside the operational range (-10C to 65C).

**Explanation** The battery temperature is outside the operational range (-10C to 65C).

**Recommended Action** Verify fan operation with [show environment fan], and take action to cool down the switch.

**Message** SVC\_BATTERY-SLOT#-2-BATTERY\_NOT\_PRESENT: Battery [dec] is not present.

**Explanation** The line card does not have sufficient number of batteries. Two batteries are needed.

**Recommended Action** Remove the line card and plug in batteries in the battery slots that are empty.

**Message** SVC\_BATTERY-SLOT#-2-CHARGING\_DISABLED: Temperature outside permitted range for battery charging (5C-40C).

**Explanation** The temperature of the linecard is not within the range to permit battery charging.

**Recommended Action** Make sure the temperature of the linecard is between 5C and 40C

**Message** SVC\_BATTERY-SLOT#-2-CHARGING\_FAILURE: Charging failure in battery [dec] ([hex]).

**Explanation** The module encountered failures while charging a battery.

**Recommended Action** Replace the battery.

**Message** SVC\_BATTERY-SLOT#-2-CLOCK\_INCORRECT: System clock is running behind, battery conditioning will be affected.

**Explanation** The Vegas system clock is running behind the actual time. This will affect the battery conditioning.

**Recommended Action** Use clock set CLI command to set the correct time

**Message** SVC\_BATTERY-SLOT#-2-COMMUNICATION\_FAILURE: Communication failure with battery [dec].

**Explanation** The module encountered failures while communicating with a battery.

**Recommended Action** Replace the battery.

**Message** SVC\_BATTERY-SLOT#-2-CONDITIONING\_DISABLED: Temperature outside permitted range for battery conditioning (5C-40C).

**Explanation** The temperature of the linecard is not within the range to permit battery conditioning.

**Recommended Action** Make sure the temperature of the linecard is between 5C and 40C

**Message** SVC\_BATTERY-SLOT#-2-DISCHARGING\_FAILURE: Discharging failure in battery [dec] ([hex]).

**Explanation** The module encountered failures while discharging a battery.

**Recommended Action** Replace the battery.

## SVC\_BATTERY-SLOT#-4

**Message** SVC\_BATTERY-SLOT#-4-BATTERY\_CAPACITY\_LOW: Battery capacity is below the required threshold.

**Explanation** The battery is lower than the required threshold.

**Recommended Action** Make sure the temperature is within the range to allow charging.

## SVC\_BATTERY-SLOT#-6

**Message** SVC\_BATTERY-SLOT#-6-BATTERY\_CAPACITY\_OK: Battery capacity is above the required threshold.

**Explanation** The battery is above the required threshold.

**Recommended Action** No action is required.

**Message** SVC\_BATTERY-SLOT#-6-CONDITIONING\_CANCELLED: Temperature outside permitted range for battery conditioning (5C-40C). Battery [dec] conditioning canceled.

**Explanation** The temperature of the linecard is not within the range to permit battery conditioning.

**Recommended Action** Make sure the temperature of the linecard is between 5C and 40C

**Message** SVC\_BATTERY-SLOT#-6-CONDITIONING\_COMPLETED: Conditioning of battery [dec] completed successfully.

**Explanation** Conditioning process started for a battery is completed successfully.

**Recommended Action** No action is required.

**Message** SVC\_BATTERY-SLOT#-6-CONDITIONING\_RESUMED: Conditioning of battery [dec] resumed.

**Explanation** Conditioning process for a battery is resumed.

**Recommended Action** No action is required.

**Message** SVC\_BATTERY-SLOT#-6-CONDITIONING\_STARTED: Conditioning of battery [dec] started.

**Explanation** Conditioning process started for a battery

**Recommended Action** No action is required.

## SVC Messages

This section contains the SVC messages.

### SVC-0

**Message** SVC-0-NODE\_EMERG\_MSG: [chars]

**Explanation** Syslog message from a SVC interface node

**Recommended Action** No action is required.

### SVC-1

**Message** SVC-1-NODE\_ALERT\_MSG: [chars]

**Explanation** Syslog message from a SVC interface node

**Recommended Action** No action is required.

### SVC-2

**Message** SVC-2-NODE\_CRIT\_MSG: [chars]

**Explanation** Syslog message from a SVC interface node

**Recommended Action** No action is required.

**Message** SVC-2-SVC\_SYSLOG\_INIT\_FAILED: Initialization failed for SVC: [chars], Reason: [hex]

**Explanation** Initialization failed for SVC

**Recommended Action** No action is required.

**Message** SVC-2-SVC\_SYSLOG\_NO\_PORT\_CHAN: Too many PortChannels allocated by user for interface [chars]

**Explanation** SVC interface needs PortChannels to operate. Too many PortChannels have been allocated by the user for the interface to operate correctly.

**Recommended Action** Please delete unneeded user configured PortChannels and shutdown the SVC interface. Once complete, please bring the SVC interface back up.

**Message** SVC-2-SVC\_SYSLOG\_PATH\_FAILURE: System health detected SVC packet path failure for [chars].

**Explanation** The CSM has been brought down by the System Health monitor. System Health has detected a failure in the packet path between the SVC interface on the CSM and the backplane. This System Health test is run periodically.

**Recommended Action** Issue a “no shutdown” on the SVC interface to bring the node back online. If a subsequent packet path failure occurs, the CSM module should be replaced.

**Message** SVC-2-SVC\_SYSLOG\_URIFS\_FAILURE: [chars] is unreachable for reason: [chars]

**Explanation** SVC interface modflash is not accessible. Modflash is the name of the filesystem local to the SVC interface, and is typically used for core dumps and temporary file transfers.

**Recommended Action** Please shutdown and bring up the SVC interface in question to regain access to the modflash filesystem.

## SVC-3

**Message** SVC-3-NODE\_ERR\_MSG: [chars]

**Explanation** Syslog message from a SVC interface node

**Recommended Action** No action is required.



**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_ACTIVATE\_CLUSTER\_IP\_FAILED) Activate cluster IP failed [chars]

**Explanation** Unable to activate the cluster IP for the config node. It will not be possible to execute configuration commands.

**Recommended Action** 1. Shutting the interfaces of the node will force this node out of the cluster and cause another node to become the config node, which should restore the ability to execute configuration commands. 2. If the error persists, re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 3. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 2 with the latest level of code. 4. If the error continues, ask IBM Product Support for assistance.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_BATT\_FAILURE) Battery Failed [chars]

**Explanation** The battery module on the Caching Services Module has failed. The nodes on the CSM will have shutdown. Other log entries may accompany this error.

**Recommended Action** Reload the Caching Services Module. If the error persists, replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_DISK\_FAILURE) Internal Disk Drive Failed [chars]

**Explanation** The internal disk drive for the node on the Caching Services Module has failed. The node will have shutdown. Other log entries may accompany this error.

**Recommended Action** Reload the Caching Services Module. If the error persists, replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_DUMP\_RESTORE\_FAILED) Restore of hardened data failed [chars]

**Explanation** Restore of customer data failed. This error will be accompanied by other log entries.

**Recommended Action** Examine the log for other error entries and follow the actions recommended. If no other entries are found: 1. Re-install the code on the node. The node will have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance. It may be necessary to replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_INVALID\_BATT\_CAPACITY)  
Get battery capacity failed [chars]

**Explanation** The process was unable to get the battery capacity. Possibly due to communication failures with the CPP processor in the line card. Node was rebooted due to this error.

**Recommended Action** If this error is repeated continuously, 1. Re-install the code on the line card. The node(s) will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error persists, replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_OPEN\_COMMITTED\_FILE\_FAILED) Error attempting to open file [chars]

**Explanation** Process was unable to open the committed file. Node was rebooted due to this error.

**Recommended Action** If this error is repeated continuously, 1. Re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_SET\_BATT\_THRESHOLD\_FAILED) Set battery threshold failed [chars]

**Explanation** The process was unable to set the battery threshold. Possibly due to fatal communication failures with the power management module in the line card or the power management module has crashed. Node was rebooted due to this error.

**Recommended Action** If this error is repeated continuously, 1. Re-install the code on the line card. The node(s) will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error persists, replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_IC\_EV\_NODE\_DISENFRANCHISED)  
Node missing [chars]

**Explanation** A node is missing from the cluster.

**Recommended Action** 1. If it is not obvious which node in the cluster has failed, check the status of the nodes and find the node with a status of offline. 2. Repair the failing node. 3. When the repair has been completed, this error will automatically be marked as fixed. 4. Check the node status. If all the nodes in the cluster are now online, but the error in the log has not been marked as fixed, manually mark the error as fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_PL\_ER\_CLUSTER\_PATH\_FAILURE)  
Cluster path failure [chars]

**Explanation** A cluster path has failed. The node is unable communicate with all the other nodes in the cluster.

**Recommended Action** 1. Repair the fibre-channel network fabric. 2. Check the status of the node port. If the status of the port shows as online, mark the error you have just repaired as fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_PL\_ER\_CPU\_QUANTITY)  
Processor change detected [chars]

**Explanation** The Caching Services Module is failing.

**Recommended Action** 1. Replace the Caching Services Module. 2. Check node status. If all nodes show a status of online, mark the error you have just repaired fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_PL\_ER\_DISK\_FULL) Node hard  
disk full [chars]

**Explanation** The error that is logged in the cluster error log indicates a software problem in the cluster.

**Recommended Action** 1. Ensure that the software is at the latest level on the cluster. 2. Delete files from the /dumps directory. 3. Run a configuration dump and a logged data dump. Save the dump data. 4. Ask IBM Product Support for assistance. 5. Mark the error you have just repaired as fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_PL\_ER\_FC\_ADAP\_FAIL) Logical  
Fibre Channel port reported failed [chars]

**Explanation** No active/functioning logical FC port was detected by the software.

**Recommended Action** Reload the node. If the problem persists, replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_PL\_ER\_FC\_ADAP\_QUANTITY)  
Logical Fibre Channel port missing [chars]

**Explanation** No active/functioning FC port was detected by the software.

**Recommended Action** Reload the node. If the problem persists, replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_PL\_ER\_FC\_PORT\_QUANTITY)  
Logical Fibre Channel port reported not operational [chars]

**Explanation** No active/functioning logical FC port was detected by the software.

**Recommended Action** Reload the node. If the problem persists, replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_PL\_ER\_NODE\_WARMSTART) Node warmstarted due to software error [chars]

**Explanation** The error that is logged in the cluster error log indicates a software problem in the cluster.

**Recommended Action** 1. Ensure that the software is at the latest level on the cluster. 2. Run a configuration dump and a logged data dump. Save the dump data. 3. Ask IBM Product Support for assistance. 4. Mark the error you have just repaired as fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_PL\_ER\_POWER\_DOMAIN) Power domain error [chars]

**Explanation** The two nodes in an IO group are on the same Caching Services Module.

**Recommended Action** Determine what the configuration should be. Remove one of the nodes and add a node to the IO group which is not on the same Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VG\_ER\_MDISK\_GROUP\_OFFLINE) A Managed Disk group is offline [chars]

**Explanation** An Mdisk group is offline.

**Recommended Action** 1. Repair the enclosure or disk controller. 2. Start a cluster discovery operation. 3. Check managed disk status. If all managed disks show a status of online, mark the error you have just repaired as fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VG\_ER\_MED\_ERRS\_TOO\_HIGH) Media errors on back-end Managed Disk [chars]

**Explanation** Media errors on backend managed disk.

**Recommended Action** 1. Repair the enclosure or disk controller. 2. Include the managed disk into the cluster. 3. Check managed disk status. If all managed disks show a status of online, mark the error you have just repaired as fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_BASE\_EVENT\_RESOURCE\_RAN\_OUT) Software error [chars]

**Explanation** The error that is logged in the cluster error log indicates a software problem in the cluster.

**Recommended Action** 1. Ensure that the software is at the latest level on the cluster. 2. Run a configuration dump and a logged data dump. Save the dump data. 3. Ask IBM Product Support for assistance. 4. Mark the error you have just repaired as fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_CONTROLLER\_CONFIG\_INVALID) Incorrect controller configuration [chars]

**Explanation** Incorrect disk controller configuration.

**Recommended Action** 1. Using service documentation for the disk controller, check that the correct configuration is set up for the disk controller. See also the IBM Total Storage SAN Volume Controller for Cisco MDS 9000: Configuration Guide. 2. Mark the error you have just repaired as fixed. 3. Start a cluster discovery operation.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_DEVICE\_PORT\_LOGIN\_LOSS) Number of controller logins reduced [chars]

**Explanation** The number of controller logins has been reduced. One possible cause is that the user intentionally reconfigured the system.

**Recommended Action** 1. Check whether the controller has regained connectivity. If it has not, check the cable connection to the remote-device port. 2. If all logins to a remote-device port have failed and you cannot solve the problem by changing cables, check the condition of the remote-device port and the condition of the remote device. 3. Start a cluster discovery operation. 4. Check the status of the disk controller. If all disk controllers show a good status, mark the error you have just repaired as fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_DEVICE\_RESOURCE\_RAN\_OUT) Too many controllers were presented to the cluster [chars]

**Explanation** The configuration is not valid. Too many devices have been presented to the cluster or node.

**Recommended Action** 1. Remove unwanted devices from the fibre-channel network fabric. 2. Start a cluster discovery operation to find devices. 3. List all connected managed disks. Check with the customer that the configuration is as expected. Mark the error you have just repaired fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_IO\_ERP) Error Recovery Procedure occurred [chars]

**Explanation** A managed disk error recovery procedure (ERP) has occurred. This error has been reported because a large number of disk error recovery procedures have been performed by the disk controller. The problem is probably caused by a failure of some other component on the SAN.

**Recommended Action** 1. View the error log entry and determine the managed disk that was being accessed when the problem was detected. (Note that the sense data from the disk controller is recorded in the cluster error log and can be accessed there. This data is not available in the switch system log.) 2. Perform the disk controller problem determination and repair procedures for the mdisk determined in step 1. 3. Perform fibre channel switch problem determination and repair procedures for the fibre channel switches containing the node, and connected to the disk controller that is managing the mdisk, and any fibre channel switches in the fibre channel path between those switches. 4. If any problems are found and resolved in steps 2 and 3, mark this error as fixed. 5. If no switch or disk controller failures were found in steps 2 and 3, take an error log dump. Call your hardware support center.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_IO\_ERROR) Managed Disk I/O error [chars]

**Explanation** A managed disk or managed disk controller port has been excluded because of excessive errors or unusual behavior.

**Recommended Action** 1. Repair the enclosure or disk controller. 2. Check the managed disk status. If any managed disks show a status of online, mark the error you have just repaired as fixed. If any managed disks show a status of excluded, included the managed disks and then mark the error as fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_IO\_THRESHOLD) Managed Disk error count threshold exceeded [chars]

**Explanation** A managed disk or managed disk controller port has been excluded because of excessive errors or unusual behavior.

**Recommended Action** 1. Repair the enclosure or disk controller. 2. Check the managed disk status. If any managed disks show a status of online, mark the error you have just repaired as fixed. If any managed disks show a status of excluded, included the managed disks and then mark the error as fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_IO\_TIMEOUT\_OVERALL) Timeout due to excessive processing time [chars]

**Explanation** A managed disk has timed out. This error has been reported because a large number of disk timeout conditions have been detected. The problem is probably caused by a failure of some other component on the SAN.

**Recommended Action** 1. Repair problems on all disk controllers and switches on the same SAN as this cluster. 2. If problems are found, mark this error as fixed. 3. If no switch or disk controller failures can be found, take an error log dump and call your hardware support center.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_LOCAL\_PORT\_EXCLUDED) Local FC port excluded [chars]

**Explanation** A local fibre-channel port has been excluded.

**Recommended Action** 1. Repair the fibre-channel network fabric. 2. Check the status of the disk controller. If all disk controllers 3. show good status, mark the error you have just repaired fixed. 4. If the error persists and no other cause can be determined, replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_LOGIN\_EXCLUDED) Login excluded [chars]

**Explanation** Login has been excluded.

**Recommended Action** 1. In the sequence shown, exchange the FRUs for new FRUs: Fibre Channel cable, switch to remote port. 2. Start a cluster discovery operation to recover the login. 3. Check the status of the disk controller. If all disk controllers show a good status, mark the error you have just repaired fixed. 4. If the error persists and no other cause can be determined, replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_LUN\_RESOURCE\_RAN\_OUT) Too many LUNs were presented to a node [chars]

**Explanation** The configuration is not valid. Too many devices have been presented to the cluster or node.

**Recommended Action** 1. Remove unwanted devices from the fibre-channel network fabric. 2. Start a cluster discovery operation to find devices. 3. List all connected managed disks. Check with the customer that the configuration is as expected. Mark the error you have just repaired fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_MDISK\_ACCESS\_INVALID) Access beyond end of disk, or Managed Disk missing [chars]

**Explanation** The error that is logged in the cluster error log indicates a software problem either in the cluster, or in a disk enclosure or disk controller that is connected to the node.

**Recommended Action** 1. Ensure that the software is at the latest level on the cluster and on the disk controllers. 2. Run a configuration dump and a logged data dump. Save the dump data. 3. Ask IBM Product Support for assistance. 4. Mark the error you have just repaired as fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_MDISK\_DEVICE\_PORT\_EXCLUDED) Remote Port excluded for a specific Managed Disk and Node [chars]

**Explanation** A remote fibre-channel port has been excluded.

**Recommended Action** 1. View the error log. Note the Mdisk ID associated with the error code. 2. Using the Mdisk ID, determine the failing disk controller. 3. Refer to the service documentation for the disk enclosure or disk controller and the fibre-channel network fabric to resolve the reported problem. 4. Start a cluster discovery operation to recover the excluded fibre-channel port. 5. Include the managed disk that you noted in step 1. 6. Check the status of the disk controller. If all disk controllers show a good status, mark the error you have just repaired fixed. 7. If all disk controllers do not show a good status, contact the IBM support center to resolve the problem with the disk controller.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_MDISK\_EXCLUDED)  
Managed Disk excluded due to excessive errors, or all device ports excluded [chars]

**Explanation** A managed disk or managed disk controller port has been excluded because of excessive errors or unusual behavior.

**Recommended Action** 1. Repair the enclosure or disk controller. 2. Check the managed disk status. If any managed disks show a status of online, mark the error you have just repaired as fixed. If all managed disks show a status of excluded, included the managed disks and then mark the error as fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_MDISK\_INITIALISE\_INVALID) Invalid blocksize, capacity or LUN identity has changed during Managed Disk initialisation [chars]

**Explanation** Access beyond end of disk. The initialization of the managed disk has failed.

**Recommended Action** 1. Check the status of the managed disk and of the managed-disk group. 2. Include the managed disk into the cluster. 3. Check the managed disk status. If all managed disks show a status of online, mark the error you have just repaired as fixed. 4. If not all managed disks show a status of online, check the status of the disk controller.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_MDISK\_RESOURCE\_RAN\_OUT) Too many Managed Disks were presented to the cluster [chars]

**Explanation** The configuration is not valid. Too many devices have been presented to the cluster or node.

**Recommended Action** 1. Remove unwanted devices from the fibre-channel network fabric. 2. Start a cluster discovery operation to find devices. 3. List all connected managed disks. Check with the customer that the configuration is as expected. Mark the error you have just repaired fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_QUORUM\_DISK\_CREATION\_FAILURE) A suitable Managed Disk for use as a Quorum Disk was not found [chars]

**Explanation** No Mdisk is suitable for use as a quorum disk. When a cluster is created three disks are automatically selected as quorum disks. A quorum disk is needed to enable a tie-break when some cluster members are missing. To become a quorum disk: The Mdisk must be accessible by all nodes in the cluster and the Mdisk must have free extents. This error code is produced when at least one quorum disk is not accessible by all nodes in the cluster. A quorum disk might not be available because of a fibre-channel network failure or because of a fibre-channel switch zoning problem.

**Recommended Action** 1. Resolve any known fibre-channel network problems. 2. Ask the customer to confirm that Mdisks have been created and that those Mdisks have free extents. 3. List the managed disks. If at least one managed disk shows a mode of managed, mark the error you have just repaired as fixed. 4. If the customer is unable to make the appropriate changes, ask IBM Software Support for assistance.



**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_QUORUM\_DISK\_NOT\_AVAILABLE) Quorum Disk not available [chars]

**Explanation** One or more quorum disks were not discovered by the node.

**Recommended Action** 1. Resolve any known fibre-channel network problems. 2. Check managed disk status. If any managed disks are offline or excluded perform the disk controller problem determination and repair procedures for the managed disks. 3. Start a cluster discovery operation. 4. Check managed disk status. If all managed disks show a status of online, mark the error you have just repaired as fixed.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_ALL\_SSH\_KEYS\_REMOVED) Attempt to delete SSH keys (no effect) [chars]

**Explanation** 'svc task rm all ssh keys' command has been invoked. This command has no effect in SAN Volume Controller for Cisco MDS9000, but is retained for compatibility.

**Recommended Action** None

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_CREATEPARTNERSHIP) Remote Copy partnership created [chars]

**Explanation** 'svc task mk partnership' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_DELETEPARTNERSHIP) Remote Copy partnership deleted [chars]

**Explanation** 'svc task mk partnership' or equivalent GUI / Cisco CLI command has been invoked.'

**Recommended Action** None

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_MODIFYPARTNERSHIP) Remote Copy partnership modified [chars]

**Explanation** 'svc task rm all ssh keys' command has been invoked. This command has no effect in SAN Volume Controller for Cisco MDS9000, but is retained for compatibility.

**Recommended Action** None

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_SSH\_KEY\_ADDED) Attempt to add SSH key (no effect) [chars]

**Explanation** 'svc task rm all ssh keys' command has been invoked. This command has no effect in SAN Volume Controller for Cisco MDS9000, but is retained for compatibility.

**Recommended Action** None

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_SSH\_KEY\_REMOVED) Attempt to delete SSH key (no effect) [chars]

**Explanation** 'svc task rm all ssh keys' command has been invoked. This command has no effect in SAN Volume Controller for Cisco MDS9000, but is retained for compatibility.

**Recommended Action** None

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_NODERR\_CR\_START) Cluster recovery required [chars]

**Explanation** The node has detected that cluster recovery is required and is waiting for human intervention to continue.

**Recommended Action** Contact IBM Product support for assistance.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_NODERR\_DATA\_CORRUPT) Node data corrupted - node rejected from cluster [chars]

**Explanation** Node data is readable but corrupted. The node has been rejected from the cluster.

**Recommended Action** 1. Re-install the code on the node. The node will have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance. It may be necessary to replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_NODERR\_DATA\_UNREADABLE) Node data unreadable - node rejected from cluster [chars]

**Explanation** Node data could not be read. The node has been rejected from the from cluster.

**Recommended Action** 1. Re-install the code on the node. The node will have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance. It may be necessary to replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_NODERR\_HDW\_CONFIG) Processor not valid [chars]

**Explanation** The node has detected unexpected differences in the processor vital data.

**Recommended Action** Reload the node. If the problem persists, replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_NODERR\_MEM\_SIZE) Memory size error [chars]

**Explanation** The detected memory size does not match the expected memory size for the cluster.

**Recommended Action** A memory module on the Cisco MDS 9000 Caching Services Module is probably faulty. Reload the node. If the error persists, replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_NODERR\_MISSING\_RES) Unable to form a cluster due to lack of cluster resources [chars]

**Explanation** The node is unable to locate sufficient other nodes in the cluster and/or the quorum disk controller needed in order to form a cluster.

**Recommended Action** Check the status of the quorum disk controller and the other nodes in the cluster. If the quorum disk has failed, perform the problem determination procedures for the disk controller. Otherwise perform problem determination on the missing nodes and network.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_NODERR\_NO\_FABRIC) The node is unable to see the FC fabric [chars]

**Explanation** No active/functioning logical FC port was detected by the software.

**Recommended Action** Reload the node. If the problem persists, replace the Caching Services Module.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_NODERR\_PWR\_DMN\_ERR) Power domain error [chars]

**Explanation** The two nodes in an IO group are on the same Caching Services Module.

**Recommended Action** Determine if both nodes on the Caching Services Module are in fact in the same IO group. If so, determine what the configuration should be. Remove one of the nodes and add a node to the IO group which is not on the same Caching Services Module. If not, ask IBM Product Support for assistance.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_NODERR\_REPEATED\_ASSERTS) Node repeatedly crashing due to a software fault [chars]

**Explanation** The number of software faults has exceeded the maximum allowed for the time period.

**Recommended Action** 1. Delete the node from the cluster. 2. Try to add the node back into the cluster. 3. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster with the latest level of code. 4. If the error continues, ask IBM Product Support for assistance.

**Message** SVC-3-NODE\_ERR\_MSG: (SVC [dec]/[dec] SS\_NODERR\_RESET\_AND\_REJECT) Node data not found - node rejected from cluster [chars]

**Explanation** Node data was not found. The node has been rejected from the from cluster.

**Recommended Action** Examine error logs to determine if another recorded error caused the loss of the node data and, if so, follow the actions for that error. If no other error was recorded, the node may have lost power without saving data or been reset. Attempt to determine the cause of the power loss or reset. If no cause can be determined, then: 1. Re-install the code on the node. The node will have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance. It may be necessary to replace the Caching Services Module.

**Message** SVC-3-SVC\_SYSLOG\_IF\_INTERNAL\_ERROR: Interface [chars] internal error: [chars]

**Explanation** SVC interface internal error

**Recommended Action** No action is required.

**Message** SVC-3-SVC\_SYSLOG\_LC\_INTERNAL\_ERROR: Unable to send MTS to linecard in slot [dec]: [chars]

**Explanation** Linecard MTS failure

**Recommended Action** No action is required.

**Message** SVC-3-SVC\_SYSLOG\_NPORT\_INTERNAL\_ERROR: [chars] N-port for Interface [chars], vsan [dec] internal error: [chars]

**Explanation** N-port internal error

**Recommended Action** No action is required.

## SVC-4

**Message** SVC-4-NODE\_WARNING\_MSG: [chars]

**Explanation** Syslog message from a SVC interface node

**Recommended Action** No action is required.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_CA\_EV\_FIRST\_DATA\_PINNED)  
Customer data pinned [chars]

**Explanation** There is now pinned customer data. This warning is given when data is pinned and there was not already pinned data. Error log entries will exist for the underlying cause of the pinned data.'

**Recommended Action** Perform problem determination on the error log to determine the cause of the pinned data and correct.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_CA\_EV\_HWS\_TO\_SYNCHRONOUS)  
Cache in write through mode due to pinned data [chars]

**Explanation** The cache must now operate in write through mode because of the amount of pinned data.

**Recommended Action** Perform problem determination on the error log to determine the cause of the pinned data and correct.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec]  
SS\_EID\_EC\_ER\_BATT\_BELOW\_CAPACITY) Battery is below threshold capacity [chars]

**Explanation** Battery capacity is below threshold. The node will remain offline until the battery charge is sufficient to come up.

**Recommended Action** Wait for the battery to recharge. This may take many hours. If after several hours have passed and the node has not yet come up: 1. Reload the node. 2. If the error persists, re-install the code on the line card. The node(s) will then have to be removed and re-added back to the cluster. 3. If the error persists, replace the Caching Services Module.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec]  
SS\_EID\_EC\_ER\_CANNOT\_OPEN\_IO\_PROCESS\_Q) Internal error - IO process queue [chars]

**Explanation** The process was unable to open the needed message queue. Node was rebooted due to this error.

**Recommended Action** If this error is repeated continuously, 1. Re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec]  
SS\_EID\_EC\_ER\_DEACTIVATE\_CLUSTER\_IP\_FAILED) Deactivate cluster IP failed [chars]

**Explanation** Unable to deactivate the cluster IP for the config node. The cluster IP should be deactivated by other checks. If that is not the case it may not be possible to execute configuration commands.

**Recommended Action** If there is a problem executing configuration commands: 1. Shutting the interfaces of the node will force this node out of the cluster and should cause the switch to deactivate the IP address associated with this node which should restore the ability to execute configuration commands. 2. If the error persists, re-install the code on the node. The node will then have to be

removed and re-added back to the cluster. 3. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 2 with the latest level of code. 4. If the error continues, ask IBM Product Support for assistance.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_DUMP\_METADATA\_FAILED) Node assert dump failed [chars]

**Explanation** A failure occurred writing out a node assert dump. Other log entries may accompany this error.

**Recommended Action** An initial error will have caused the node assert dump. Examine the log for that error and follow the recommended actions for that error. In addition examine the log for errors related to the internal disk drive. If found, follow the recommended actions. If no entries explain the failure to write the dump: 1. Re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance. It may be necessary to replace the Caching Services Module.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_EXECVE\_FAILED) Internal error - program launch [chars]

**Explanation** The process was unable to launch the IO program. Node was rebooted due to this error.

**Recommended Action** If this error is repeated continuously, 1. Re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_FORK\_FAILED) Internal error - fork failed [chars]

**Explanation** The process was unable to launch the IO program. Node was rebooted due to this error.

**Recommended Action** If this error is repeated continuously, 1. Re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_INTERNAL\_EXIT\_LOGIC\_ERR) Internal error - bad exit code [chars]

**Explanation** Node was warmstarted due to internal logic error.

**Recommended Action** 1. Ensure that the software is at the latest level on the cluster. 2. Ask IBM Product Support for assistance.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec]  
SS\_EID\_EC\_ER\_INTERNAL\_UNKNOWN\_EXEC\_MODE) Internal error - run mode [chars]

**Explanation** Node was rebooted due to internal logic error.

**Recommended Action** 1. Ensure that the software is at the latest level on the cluster. 2. Ask IBM Product Support for assistance.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec]  
SS\_EID\_EC\_ER\_IOP\_EXITED\_DUE\_TO\_SIGNAL) Internal error - signal caused exit  
[chars]

**Explanation** The IO process exited because of a signal which was not caught. Node was warmstarted due to this error.

**Recommended Action** 1. Ensure that the software is at the latest level on the cluster. 2. Ask IBM Product Support for assistance.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec]  
SS\_EID\_EC\_ER\_IOP\_STOPPED\_DUE\_TO\_SIGNAL) Internal error - signal caused stop  
[chars]

**Explanation** The IO process stopped because of a signal received. Node was warmstarted due to this error.

**Recommended Action** 1. Ensure that the software is at the latest level on the cluster. 2. Ask IBM Product Support for assistance.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec]  
SS\_EID\_EC\_ER\_IOP\_TERMINATED\_ABnormally) Internal error - abnormal exit [chars]

**Explanation** The IO process exited abnormally. Node was warmstarted due to this error.

**Recommended Action** 1. Ensure that the software is at the latest level on the cluster. 2. Ask IBM Product Support for assistance.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec]  
SS\_EID\_EC\_ER\_OPEN\_MSG\_QUEUE\_FAILED) Internal error - message queue [chars]

**Explanation** The process was unable to open the needed message queue. Node was rebooted due to this error.

**Recommended Action** If this error is repeated continuously, 1. Re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_PTHREAD\_CREATE\_FAILED) Internal error - threads [chars]

**Explanation** The process was unable to create the needed threads. Node was rebooted due to this error.

**Recommended Action** If this error is repeated continuously, 1. Re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_UNKNOWN\_MESSAGE\_TYPE) Internal error - message type [chars]

**Explanation** Node was rebooted due to internal logic error.

**Recommended Action** 1. Ensure that the software is at the latest level on the cluster. 2. Ask IBM Product Support for assistance.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_WAITPID\_FAILED) Internal error - waitpid failed [chars]

**Explanation** The process was unable to launch the IO program properly. Node was warmstarted due to this error.

**Recommended Action** If this error is repeated continuously, 1. Reload the node. 2. If the error persists, re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 3. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 2 with the latest level of code. 4. If the error continues, ask IBM Product Support for assistance.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_WARMSTART\_MEMORY\_FAILED) Internal error - warmstart memory device [chars]

**Explanation** The process was unable to warmstart the memory device. Node was rebooted due to this error.

**Recommended Action** If this error is repeated continuously, 1. Re-install the code on the node. The node will then have to be removed and re-added back to the cluster. 2. Ensure that the software is at the latest level on the cluster. If not, upgrade the cluster and if necessary repeat step 1 with the latest level of code. 3. If the error continues, ask IBM Product Support for assistance.



**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_FC\_ER\_MAPPING\_STOPPED)  
FlashCopy has been stopped [chars]

**Explanation** A Flash Copy mapping task has been stopped because of an error. A stopped flash copy may affect the status of other VDisks in the same I/O group. Preparing the stopped flash copies as soon as possible is advised.

**Recommended Action** 1. Correct higher priority errors. Then, ask the customer to prepare and start the Flash Copy task again. 2. Mark the error you have just repaired as fixed.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_FC\_ER\_PREPARE\_FAILED)  
FlashCopy prepare failed due to cache flush failure [chars]

**Explanation** A Flash Copy prepare task has failed because a cache flush has failed.

**Recommended Action** 1. Correct higher priority errors, then retry the prepare tasks. 2. Mark the error you have just repaired as fixed.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_FC\_ER\_STOP\_COMPLETED)  
Flash Copy Stopped [chars]

**Explanation** The Flash Copy mapping or consistency group has entered the STOPPED state as a result of a user request to stop.

**Recommended Action** None

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec]  
SS\_EID\_IC\_ER\_DIRECTORY\_LIST\_FAILED) Failed to obtain directory listing from  
remote node [chars]

**Explanation** An attempt to clean or retrieve files from /dumps directory has failed because of a failure to get listing of the directory from the remote node.

**Recommended Action** Determine if the remote node is still online. If not, perform problem determination on the remote node. If it is, retry the command. If it still fails contact the IBM Support Center for assistance. Cisco CLI commands may be used to access the node directly as an alternative.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec]  
SS\_EID\_IC\_ER\_FEATURISATION\_VIOLATION) Featurisation violation [chars]

**Explanation** The user has allocated more visualized storage than licensed for or established a Flash Copy mapping or Remote Copy relationship when these have not been licensed.

**Recommended Action** Look in the featurisation log for log entries of type Error to determine the type of violation. The user then should the neither reduce visualized storage, remove the Flash Copy mapping or Remote Copy relationship, so as to be in compliance with their license; or update the license information if that is incorrect; or arrange with their IBM representative to purchase a license for the desired features.'

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_IC\_ER\_TRANSFER\_FILE\_FAILED) Failed to transfer file from remote node [chars]

**Explanation** An attempt to retrieve a file from /dumps directory has failed.

**Recommended Action** Determine if the remote node is still online. If not, perform problem determination on the remote node. If it is, retry the command. If it still fails contact the IBM Support Center for assistance. Cisco CLI commands may be used to access the node directly as an alternative.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_IC\_EV\_IOGRP\_NONE\_OK) Both nodes in the IO group are not available [chars]

**Explanation** Following node remove by the user, there are no nodes left in the IO group.

**Recommended Action** None

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_IC\_EV\_UPGRADE\_NODE\_PENDED) Software upgrade process failed [chars]

**Explanation** A software upgrade has failed. This might be because of a hardware error or it might be because of a failure in the new version of the software. An automatic software downgrade is performed to restore the nodes to their previous software version. This will be indicated in the log by a 'Software down grade complete' entry. If the down grade operation fails to down grade a node, for example because it is offline, the down load operation will stop and wait for the offline SAN Volume Controller to be repaired or deleted from the cluster. While the down grade operation is in progress, configuration commands sent to the cluster will fail with a message indicating that a software upgrade operation is still in progress. The downgrade operation might take up to three hours.

**Recommended Action** 1. Display the status of the nodes on the cluster. 2. If any node is offline, delete the offline node from the cluster. If the delete fails with a message indicating that a software upgrade is in progress, this means that the downgrade process is still active. Wait for this operation to either complete or stop on the offline node and then retry the delete. If the downgrade operation had stopped, it will now continue. 3. Solve all logged hardware problems 4. Ask the user to retry the software install. 5. If the installation fails again, report the problem to your software support center. 6. Mark the error you have just repaired as fixed.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_IC\_EV\_UPGRADE\_PCK\_DELIVERY\_FAILED) Software install package cannot be delivered to all nodes [chars]

**Explanation** An error occurred while sending the software package to the nodes.

**Recommended Action** 1. Display the status of the nodes on the cluster. 2. If any node is offline, perform problem determination on the node and bring the node back online. Or, alternatively, delete the offline node from the cluster. 3. Retry the software retry the delete. If the downgrade operation had stopped, it will now continue. 3. Solve upgrade command. 4. If the installation fails again, report the problem to your software support center.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_PL\_ER\_PLIC\_LINK) Connection to a configured remote cluster has been lost [chars]

**Explanation** This cluster is no longer able to communicate with the remote copy partner cluster.

**Recommended Action** Perform problem determination on the network and the other cluster.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_RC\_ER\_LSYNC) Remote Copy suffered loss of synchronization [chars]

**Explanation** In a remote-copy operation, the relationship has stopped and lost synchronization, for a reason other than a continuous I/O error.

**Recommended Action** 1. Correct higher priority errors, then restart the remote copy. 2. Mark the error you have just repaired as fixed.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_RC\_ER\_PERS) Remote Copy suffered persistent error [chars]

**Explanation** A Remote Copy relationship has been stopped because of a continuous I/O error.

**Recommended Action** 1. Correct the higher priority errors, then retry the Remote Copy task. 2. Mark the error you have just repaired as fixed.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_RC\_ER\_TIMEOUT) Remote Copy retry timeout [chars]

**Explanation** Remote Copy was unable to find a path to the device in the remote cluster within the timeout period.

**Recommended Action** Perform problem determination on the network and remote cluster: Ensure that all nodes in both clusters are configured in the inter-cluster SAN or VSAN. Ensure that all virtual disks in the remote cluster are online.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_VG\_ER\_COPIED\_MEDIUM\_ERROR) I/O media error copied [chars]

**Explanation** During a copy or a migrate process a media error was copied to the destination disk.

**Recommended Action** None

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_VG\_ER\_INSUFFICIENT\_VIRTUAL\_EXTENTS) Insufficient extents to create Virtual Disk [chars]

**Explanation** There are not enough extents contained within the managed disk group to create the required virtual disk. This error can be logged if a migration is started and then a virtual disk is created which uses the extents that were to be used for the migration.

**Recommended Action** Add additional managed disks to the managed disk group or reduce the size of virtual disk to be created.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_VG\_ER\_MIGRATE\_STOPPED) Migration stopped [chars]

**Explanation** The specific migration has been stopped due to errors occurring during migration, these errors have been logged.

**Recommended Action** Analyze the error log. Perform problem determination and correct any errors which have occurred. Migrate any specific extents which were not migrated due to the errors.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_VG\_ER\_MIGRATE\_SUSPENDED) Migration suspended [chars]

**Explanation** Migration suspended.

**Recommended Action** 1. Ensure that all error codes of a higher priority have already been fixed. 2. Ask the customer to ensure that all Mdisk groups that are the destination of suspended migrate operations have free extents available. 3. Mark this error as fixed. This will cause the migrate operation to be restarted. If the restart fails a new error will be logged.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_IO\_MEDIUM\_ERROR) A media error has occurred during I/O to a Managed Disk [chars]

**Explanation** A disk I/O medium error has occurred.

**Recommended Action** 1. Ask the customer to rewrite the bad data to the block LBA reported in the host systems SCSI sense data. Note: If this error has occurred during a migration, the host system will notice the error until the target device is accessed. 2. Check managed disk status. If all managed disks show a status of online, mark the error you have just repaired as fixed.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_IO\_THRESHOLD\_WARNING) Managed Disk error count warning threshold met [chars]

**Explanation** IOs to the managed disk have experienced sufficient errors to generate this warning. If the managed disk continues to experience IO errors, the managed disk may be excluded.

**Recommended Action** Perform problem determination on the affected managed disk.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_LUN\_DISCOVERY\_FAILED) Discovery of LUN failed [chars]

**Explanation** The cluster has a connection to the device on the SAN through this node, but the device has not responded to the node in a manner consistent with a functional device LUN.

**Recommended Action** If there are device LUNs that should have been discovered by the node: 1) Perform a manual discovery. 2) Perform problem determination on the device.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_MDISK\_PORT\_PREFERENCE\_IGNORED) Preferred port is not being used for Managed Disk access [chars]

**Explanation** The preferred port designated by the back end controller is not being used for Managed Disk access. A port error or excluded port has prevented the use of the preferred port.

**Recommended Action** Perform problem determination on the controller and network to determine the cause of the port error or exclusion.

**Message** SVC-4-NODE\_WARNING\_MSG: (SVC [dec]/[dec] SS\_NODERR\_CR\_FAILED) Cluster recovery failed [chars]

**Explanation** Cluster recovery has failed and a software dump has been created.

**Recommended Action** Contact IBM Product support for assistance.

**Message** SVC-4-SVC\_SYSLOG\_IF\_INTERNAL\_WARN: Interface [chars] internal warning: [chars]

**Explanation** SVC interface internal warning

**Recommended Action** No action is required.

**Message** SVC-4-SVC\_SYSLOG\_NPORT\_INTERNAL\_WARN: [chars] N-port for Interface [chars], vsan [dec] internal warning: [chars]

**Explanation** SVC interface internal warning

**Recommended Action** No action is required.

## SVC-5

**Message** SVC-5-NODE\_NOTICE\_MSG: [chars]

**Explanation** Syslog message from a SVC interface node

**Recommended Action** No action is required.

**Message** SVC-5-SVC\_SYSLOG\_IF\_CONFIG\_DELETED: Interface [chars] configuration was deleted [chars]

**Explanation** SVC interface configuration was deleted

**Recommended Action** No action is required.

**Message** SVC-5-SVC\_SYSLOG\_IF\_DOWN: Interface [chars] is down

**Explanation** SVC interface is down

**Recommended Action** No action is required.

**Message** SVC-5-SVC\_SYSLOG\_IF\_UP: Interface [chars] is up

**Explanation** SVC interface is up

**Recommended Action** No action is required.

## SVC-6

**Message** SVC-6-NODE\_INFO\_MSG: [chars]

**Explanation** Syslog message from a SVC interface node

**Recommended Action** No action is required.

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_CA\_EV\_ALL\_DATA\_UNPINNED)  
All data now unpinned [chars]

**Explanation** All the customer data in the IO group is now unpinned.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_CA\_EV\_HWS\_TO\_ASYNCHRONOUS)  
Pinned data reduced; cache can operate normally [chars]

**Explanation** Enough customer data has been unpinned that the cache is no longer required to operate in write through mode because of the pinned data. (Note that the cache may still operate in write through mode for other reasons.)

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_BATT\_OK) Battery  
recharged [chars]

**Explanation** Battery capacity has been restored to above threshold. The node will now come online.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_BATT\_POWER\_DOWN) Poweroff or power failure detected [chars]

**Explanation** The process has received a Poweroff or power failure indication. The node is shutting down.

**Recommended Action** Restore power. If power was not removed and this occurs: 1. Reload the node. 2. If the error persists, re-install the code on the line card. The node(s) will then have to be removed and re-added back to the cluster. 3. If the error persists, replace the Caching Services Module.

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_EC\_ER\_PWR\_BUTTON) Power withdrawn [chars]

**Explanation** Node software was notified that AC power was being shut off or the Caching Services Module was being reset.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_FC\_ER\_COPY\_COMPLETED) Flash Copy Copied [chars]

**Explanation** The Flash Copy mapping or consistency group has entered the IDLE\_COPIED state. The target disk now contains a complete copy and is no longer dependent on the source.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_FC\_ER\_PREPARE\_COMPLETED) Flash Copy Prepared [chars]

**Explanation** The Flash Copy mapping or consistency group has entered the PREPARED state. It is now possible to Start or Stop the mapping/group.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_IC\_EV\_CLUSTER\_RECOVERY\_COMPLETE) Cluster recovery completed [chars]

**Explanation** Cluster recovery has completed successfully.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_IC\_EV\_IOGRP\_ONE\_OK) One node in the IO group is not available [chars]

**Explanation** Following node remove by the user, there is only one node left in the IO group.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_IC\_EV\_SECURE\_DELETE\_COMPLETE) Virtual Disk format completed [chars]

**Explanation** The formatting (writing all zeros) to new extents of the Virtual Disk has completed.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_PL\_ER\_COLDSTART) Node software started [chars]

**Explanation** The node software has been started (cold start).

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_RC\_ER\_COPY\_COMP) Remote Copy complete [chars]

**Explanation** Background copy complete. The standalone relationship or consistency group has transitioned from Inconsistent Copying 'to' Consistent Synchronized'. This will only be logged on the cluster of the Primary Virtual Disk(s).'

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_RC\_ER\_READY\_TO\_START) Remote Copy ready to start [chars]

**Explanation** The remote copy relationship or consistency group, which had been previously been stopped due to an error, is ready to be restarted. All resources are now online.

**Recommended Action** Restart the relationship or consistency group.

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_VG\_EV\_MIGRATE\_COMPLETE) Migration complete [chars]

**Explanation** Migration has completed.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_EID\_VL\_ER\_CLUSTER\_FABRIC\_VIEW\_CHANGE) Cluster fabric view has been updated. [chars]

**Explanation** The node is in the process of discovering devices on the fabric.

**Recommended Action** None



**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_ADD\_MAPPING) Virtual Disk to Host SCSI mapping created [chars]

**Explanation** svc task MKY disk host map or equivalent GUI/ Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_ADD\_WWPN) Port added to a Host [chars]

**Explanation** svc task add host port or equivalent GUI/Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_CHANGE\_CLUSTER\_TIME) Attempt to change cluster time (no effect) [chars]

**Explanation** 'svc task rm all ssh keys' command has been invoked. This command has no effect in SAN Volume Controller for Cisco MDS9000, but is retained for compatibility.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_CHANGE\_TIMEZONE) Attempt to change time zone (no effect) [chars]

**Explanation** 'svc task rm all ssh keys' command has been invoked. This command has no effect in SAN Volume Controller for Cisco MDS9000, but is retained for compatibility.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_CLUSTER\_DISCOVERY) Manual Managed Disk discovery invoked [chars]

**Explanation** 'SVC task detect Mdisk' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_CLUSTER\_DUMP\_CONFIG) Cluster config dumped to file [chars]

**Explanation** 'svc task dump config' or equivalent GUI / Cisco CLI command has been invoked'

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_CLUSTER\_MODIFY) Cluster attributes modified [chars]

**Explanation** 'svc task chcluster' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_CLUSTER\_SHUTDOWN) Node or Cluster shutdown [chars]

**Explanation** 'svc task stop cluster' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_CREATE\_FC\_MAPPING) Flash Copy mapping created [chars]

**Explanation** 'svc task mk fc map' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_CREATE\_HOST) Host created [chars]

**Explanation** 'svc task mk fc map' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_DELETE\_FC\_MAPPING) Flash Copy mapping deleted [chars]

**Explanation** 'svc task mk fc map' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_DELETE\_HOST) Hosts deleted [chars]

**Explanation** 'svc task rm host' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_DELETE\_MAPPING) Virtual Disk to Host SCSI mapping deleted [chars]

**Explanation** 'svc task rm vdisk host map' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_DELETE\_PORT\_HOST\_LIST) Ports deleted from a Host [chars]

**Explanation** 'svc task rm host port' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_DELETE\_WWPN) Port deleted from a Host [chars]

**Explanation** 'svc task rm host port' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_DEVICE\_SET\_NAME) Controller attributes modified [chars]

**Explanation** 'svc task ch controller' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_ERRORLOG\_ANALYSE) Error log analyzed [chars]

**Explanation** 'svc task find err' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_ERRORLOG\_CLEARLOG) Error log cleared [chars]

**Explanation** 'svc task clear err log' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_ERRORLOG\_DUMPLOG) Error log dumped [chars]

**Explanation** 'svc task dump err log' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_ERRORLOG\_FIX) Error log entry marked fixed [chars]

**Explanation** 'svc task ch err state' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_FC\_CONSIST\_GRP\_SET\_NAME) Flash Copy consistency group name modified [chars]

**Explanation** 'svc task ch fc consist grp-name' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_FC\_CREATE\_CONSIST\_GRP) Flash Copy consistency group created [chars]

**Explanation** 'svc task mk fc consist grp' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_FC\_DELETE\_CONSIST\_GRP) Flash Copy consistency group deleted [chars]

**Explanation** 'svc task rm consist grp' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_FC\_SET\_NAME) Flash Copy mapping name modified [chars]

**Explanation** 'svc task ch fc map-name' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_FEATURISATION\_CHANGED) Licensed settings modified [chars]

**Explanation** 'svc task ch license' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_FLASH\_PREPARE\_CG) Flash Copy consistency group prepared [chars]

**Explanation** 'svc task per start fc consist grp' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_FLASH\_START\_CG) Flash Copy consistency group started [chars]

**Explanation** 'svc task start fc consist grp' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_FLASH\_STOP\_CG) Flash Copy consistency group stopped [chars]

**Explanation** 'svc task stop fc consist grp' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_HOST\_DELETE) Host deleted [chars]

**Explanation** 'svc task rm host' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_HOST\_SET\_NAME) Host attributes modified [chars]

**Explanation** 'svc task ch host' or equivalent GUI / Cisco CLI command has been invoked.'

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_HWS\_SET\_NAME) IO Group name modified [chars]

**Explanation** 'svc task ch iogrp' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_IO\_TRACE\_FINISHED) IO Tracing stopped [chars]

**Explanation** 'svc task stop trace' or equivalent GUI / Cisco CLI command has been invoked, or the trigger occurred for a given Managed Disk, automatically stopping the trace.

**Recommended Action** Analyses the traces.

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_MDISK\_GRP\_ADD\_MDISK) Managed Disk added to Managed Disk group [chars]

**Explanation** svc task add Mdisk or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_MDISK\_GRP\_CREATE) Managed Disk Group created [chars]

**Explanation** svc task add Mdisk or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_MDISK\_GRP\_DELETE) Managed Disk Group deleted [chars]

**Explanation** svc task add Mdisk or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_MDISK\_GRP\_DELETE\_MDISK) Managed Disk deleted from Managed Disk group [chars]

**Explanation** svc task add Mdisk or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_MDISK\_GRP\_SET\_NAME) Managed Disk Group attributes modified [chars]

**Explanation** svc task add Mdisk or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_MDISK\_SET\_NAME) Managed Disk attributes modified [chars]

**Explanation** svc task add Mdisk or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_MDISK\_UNSLANDER) Managed Disk online [chars]

**Explanation** The managed disk which was excluded is now online.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_MIGRATE) Virtual Disk migration to new Managed Disk group started [chars]

**Explanation** svc task add Mdisk or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_MODIFY\_FC\_MAPPING) Flash Copy mapping modified [chars]

**Explanation** 'svc task ch fc map' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_NODE\_ADD) Node added [chars]

**Explanation** 'svc task add node' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_NODE\_CREATE\_CLUSTER) Cluster created [chars]

**Explanation** 'cluster add' or equivalent GUI command has been invoked.'

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_NODE\_DELETE) Node deleted from cluster [chars]

**Explanation** 'svc task rm node' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_NODE\_PEND) Node Pend [chars]

**Explanation** The node has gone into the pending state. It will shortly go into the online or offline state.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_NODE\_REMOVE) Node leaving cluster (expected) [chars]

**Explanation** The node has gone offline as expected due to shutdown, upgrade or deletion.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_NODE\_SET\_NAME) Node attributes modified [chars]

**Explanation** 'svc task ch node' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_NODE\_SHUTDOWN) Node shutdown [chars]

**Explanation** 'svc task stop cluster-node' or equivalent GUI / Cisco CLI command has been invoked.'

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_NODE\_UNPEND) Node Unpend [chars]

**Explanation** The node has gone online.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_PLANAR\_SN\_CHANGE)  
Attempt to change the Planar Serial Number (no effect) [chars]

**Explanation** 'svc task rm all ssh keys' command has been invoked. This command has no effect in SAN Volume Controller for Cisco MDS9000, but is retained for compatibility.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_PRETRIGGER\_FC\_MAPPING)  
Flash Copy mapping prepared [chars]

**Explanation** 'svc task pre start fc map' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_QUORUM\_CREATE) Quorum  
disk set [chars]

**Explanation** 'svc task set quorum' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_CREATECONSTGRP)  
Remote Copy consistency group created [chars]

**Explanation** 'svc task mk rc consist grp' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_CREATEREL )  
Remote Copy relationship created [chars]

**Explanation** 'svc task mk rc relationship' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_DELETECONSTGRP)  
Remote Copy consistency group deleted [chars]

**Explanation** 'svc task rm consist grp' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_DELETEREL)  
Remote Copy relationship deleted [chars]

**Explanation** 'svc task rm rc relationship' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None



**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_MODIFYCONSTGRP) Remote Copy consistency group modified [chars]

**Explanation** 'svc task ch rc consist grp' or equivalent GUI / Cisco CLI command has been invoked.'

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_MODIFYREL) Remote Copy relationship modified [chars]

**Explanation** 'svc task ch rc relationship' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_START) Remote Copy relationship started [chars]

**Explanation** 'svc task start rc relationship' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_START\_CG) Remote Copy consistency group started [chars]

**Explanation** 'svc task start rc consist grp' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_STOP) Remote Copy relationship stopped [chars]

**Explanation** 'svc task stop rc relationship' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_STOP\_CG) Remote Copy consistency group stopped [chars]

**Explanation** 'svc task stop rc consist grp' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_SWITCH) Remote Copy relationship switched [chars]

**Explanation** 'svc task switch rc relationship' or equivalent GUI / Cisco CLI command has been invoked.'

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_REMOTE\_SWITCH\_CG)  
Remote Copy consistency group switched [chars]

**Explanation** 'svc task switch rc consist grp' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_SERVICE\_APPLY\_SOFTWARE)  
Software upgrade command accepted [chars]

**Explanation** cluster upgrade svc-system' or equivalent GUI command has been invoked. The command has been accepted. Additional log entries will track the progress of the upgrade.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_STOP\_FC\_MAPPING) Flash  
Copy mapping stopped [chars]

**Explanation** 'svc task stop fc map' or equivalent GUI / Cisco CLI command has been invoked.'

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_TRIGGER\_FC\_MAPPING)  
Flash Copy mapping started [chars]

**Explanation** 'svc task start fc map' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_UPGRADE\_BACKED\_OFF)  
Software downgrade complete [chars]

**Explanation** The software upgrade process failed and all nodes have been restored to the previous level of code.

**Recommended Action** Perform problem determination on the cause of the upgrade failure and take corrective action before retrying the upgrade.

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_UPGRADE\_COMPLETED)  
Software upgrade complete [chars]

**Explanation** All nodes have successfully moved to the new code level, which will now be committed.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_UPGRADE\_STARTED) Software upgrade started [chars]

**Explanation** The software upgrade process has started (the first node is about to be upgraded).

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_VDISK\_CREATE) Virtual Disk created [chars]

**Explanation** 'svc task mk vdisk' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_VDISK\_DELETE) Virtual Disk deleted [chars]

**Explanation** 'svc task rm vdisk' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_VDISK\_EXPAND) Virtual Disk expanded [chars]

**Explanation** 'svc task expand vdisk size' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_VDISK\_EXPAND\_SINGLE\_EXT) Virtual Disk expanded by single extent [chars]

**Explanation** 'svc task add vdisk ext' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_VDISK\_MIGRATE\_EXTENT) Extent migration started [chars]

**Explanation** 'svc task migrate exts' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_VDISK\_MIGRATE\_EXTENTS) Extent migration started [chars]

**Explanation** 'svc task migrate exts' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_VDISK\_MODIFY\_GOVERN) Virtual Disk throttling rate modified [chars]

**Explanation** 'svc task ch vdisk-rate' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_VDISK\_MOVE\_HWS) Virtual Disk IO Group changed [chars]

**Explanation** 'svc task ch vdisk-iogrp' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_VDISK\_SET\_NAME) Virtual Disk name modified [chars]

**Explanation** 'svc task ch vdisk-name' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-NODE\_INFO\_MSG: (SVC [dec]/[dec] SS\_ERR\_CFG\_VDISK\_SHRINK) Virtual Disk shrunk [chars]

**Explanation** 'svc task shrink vdisk size' or equivalent GUI / Cisco CLI command has been invoked.

**Recommended Action** None

**Message** SVC-6-SVC\_SYSLOG\_CL\_CONFIG: Node [chars] has become config node of cluster [chars]

**Explanation** SVC interface has become cluster config node

**Recommended Action** No action is required.

**Message** SVC-6-SVC\_SYSLOG\_CL\_JOIN: Node [chars] has joined cluster [chars]

**Explanation** SVC interface has joined cluster

**Recommended Action** No action is required.

**Message** SVC-6-SVC\_SYSLOG\_CL\_UNJOIN: Node [chars] has left cluster [chars]

**Explanation** SVC interface has left cluster

**Recommended Action** No action is required.

**Message** SVC-6-SVC\_SYSLOG\_LC\_WWN\_PURGE: All WWNs for module [dec] have been purged [chars]

**Explanation** SVC linecard has purged all WWNs

**Recommended Action** No action is required.

**Message** SVC-6-SVC\_SYSLOG\_VSAN\_INACTIVE: Vsan [dec] suspended

**Explanation** Vsan was suspended; can cause warnings

**Recommended Action** No action is required.

## SVC-7

**Message** SVC-7-NODE\_DEBUG\_MSG: [chars]

**Explanation** Syslog message from a SVC interface node

**Recommended Action** No action is required.

## SWITCH Messages

This section contains the SWITCH messages.

### SWITCH\_ZONEMEMBER\_FAN\_OUT\_RATIO\_LIMIT

**Message** SCRIPT-INFO: ZONE-2-SWITCH\_ZONE\_MEMBER\_RATIO: VSAN-[dec]: Zoneset [char] has [dec] devices that exceed the zone member ratio of 1:[dec].

**Explanation** Configured limit for the Zone member fan-out ratio exceeded : [chars].

**Recommended Action** Reconfigure the zoneset with smaller fan-out for the affected end devices so they avoid degraded performance.

## SYSMGR Messages

This section contains the SYSMGR messages.

## SYSMGR-2

**Message** SYSMGR-2-ACTIVE\_LOWER\_MEM\_THAN\_STANDBY: Active supervisor in slot [dec] is running with less memory than standby supervisor in slot [dec].

**Explanation** Supervisor memory mismatch

**Recommended Action** No action is required.

**Message** SYSMGR-2-BOOTSCOPE\_HANDSHAKE: Service [chars] is in the boot scope, but tried a regular handshake. Discarding request.

**Explanation** A service is trying to take actions that belong to a different class of services.

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

**Message** SYSMGR-2-CFGERASE\_ABORTED: Write erase aborted.

**Explanation** Write erase has failed.

**Recommended Action** Please verify the other syslog messages printed correct the problem, and try again.

**Message** SYSMGR-2-CFGSNAPSHOT\_ABORTED\_DIR: Unable to open the configuration directory. Aborting configuration snapshot.

**Explanation** The destination location for the snapshot-config could not be found.

**Recommended Action** If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.

**Message** SYSMGR-2-CFGSNAPSHOT\_ABORTED\_INIT: Unable to initialize the configuration directory (error-id [hex]). Aborting configuration snapshot.

**Explanation** An attempt to copy the startup-config to snapshot-config has failed because the old data could not be removed.

**Recommended Action** If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.

**Message** SYSMGR-2-CFGSNAPSHOT\_ABORTED: Configuration snapshot aborted.

**Explanation** An attempt to save a snapshot of the startup-config has failed.

**Recommended Action** Please verify the other syslog messages printed correct the problem, and try again.

**Message** SYSMGR-2-CFGSYNC\_FAILURE: Syncing of the configuration to the standby failed.

**Explanation** Syncing of the configuration to the standby failed.

**Recommended Action** Please verify the other syslog messages printed correct the problem, and try again.

**Message** SYSMGR-2-CFGWRITE\_ABORTED\_DIR: Unable to open the configuration directory. Aborting configuration copy.

**Explanation** The destination location for the startup-config could not be found.

**Recommended Action** If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.

**Message** SYSMGR-2-CFGWRITE\_ABORTED\_INIT: Unable to initialize the configuration directory (error-id [hex]). Aborting configuration copy.

**Explanation** An attempt to copy the running-config to startup-config has failed because the old data could not be removed.

**Recommended Action** If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.

**Message** SYSMGR-2-CFGWRITE\_ABORTED\_LABEL: Unable to label the new configuration (error-id [hex]). Aborting configuration copy.

**Explanation** An attempt to copy the running-config to startup-config has failed because the new startup-config could not be stamped.

**Recommended Action** If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.

**Message** SYSMGR-2-CFGWRITE\_ABORTED\_LOCK: Unable to lock the configuration (error-id [hex]). Aborting configuration copy.

**Explanation** An attempt to copy the running-config to startup-config has failed because the system could not lock the required configuration items.

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

**Message** SYSMGR-2-CFGWRITE\_ABORTED\_LOG: Unable to open a log file for the new configuration: [chars] (error-id [hex]). Aborting configuration copy.

**Explanation** An attempt to copy the running-config to startup-config has failed because a log file could not be created.

**Recommended Action** If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.

**Message** SYSMGR-2-CFGWRITE\_ABORTED: Configuration copy aborted.

**Explanation** A configuration copy has failed.

**Recommended Action** Please verify the other syslog messages printed correct the problem, and try again.

**Message** SYSMGR-2-CFGWRITE\_TIMEOUT\_ABORT: Configuration copy aborted by timeout.

**Explanation** A service failed to store its configuration in the timeout period. The operation has been aborted.

**Recommended Action** No action is required.

**Message** SYSMGR-2-CFGWRITE\_USER\_ABORT: Configuration copy aborted by the user.

**Explanation** The user typed CTRL+C while the configuration was being saved, and the operation has been aborted.

**Recommended Action** No action is required.

**Message** SYSMGR-2-CONVERT\_FUNC\_FAILED: Conversion function failed for service "[chars]" (error-id [hex]).

**Explanation** This message indicates that the conversion function failed for this service.

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

**Message** SYSMGR-2-CONVERT\_FUNC\_NOTFOUND: Conversion function not found for service "[chars]" .

**Explanation** This message indicates that the system could not find appropriate conversion function for this service.

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

**Message** SYSMGR-2-CONVERT\_LIB\_NOTFOUND: Conversion library not found for service "[chars]" .

**Explanation** This message indicates that the system could not find conversion library for this service.

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



**Message** SYSMGR-2-CONVERT\_STARTUP\_ABORTED: Conversion of startup-config failed.

**Explanation** This message indicates that the conversion of startup configuration was aborted.

**Recommended Action** If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.

**Message** SYSMGR-2-CONVERT\_ZIPPING\_FAILED: Failed to zip the converted startup configuration.

**Explanation** This message indicates that conversion of the startup configuration failed when system was trying to zip the converted configuration.

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

**Message** SYSMGR-2-CORE\_SAVE\_FAILED: [chars]: PID [dec] with message [chars].

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-2-CREATE\_DONEFILE\_FAILED: Creating /var/run/sysmgr.initdone failed with return value: ([dec]).

**Explanation** The initialization of the system could not complete.

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

**Message** SYSMGR-2-DELETE\_BINARY\_STARTUP\_FAILED: Deletion of binary startup config failed during boot (error-id [hex]).

**Explanation** This message indicates that the deletion of the binary startup configuration failed during boot.

**Recommended Action** If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.

**Message** SYSMGR-2-FEATURE\_SET\_NOT\_DISABLED\_SRVS: vdc [dec]: feature-set 0x%llx: Following services did not cleanup: [chars]

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-2-FEATURE\_SET\_SRVTIMEOUT: vdc [dec]: feature-set 0x%llx [chars]: Following services did not respond in time: [chars]

**Explanation** The services did not handshake with sysmgr in time

**Recommended Action** No action is required.

**Message** SYSMGR-2-FEATURE\_SET\_UNGRACEFUL\_DISABLE\_FAILED\_SRVS: vdc [dec]: feature-set 0x%llx: Following services did not exit even after SIGKILL: [chars]

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-2-FORMAT\_FAILURE\_SUP\_RESET: Failure to format a partition successfully causing sup to reset.

**Explanation** The partition used to store non-volatile pss files could not be formatted successfully. The supervisor will be reset.

**Recommended Action** If the problem persists, please contact customer support.

**Message** SYSMGR-2-GSYNC\_ABORT: Global sync aborted by signal.

**Explanation** The initial synchronization of the services has been aborted. The synchronization will be attempted again later.

**Recommended Action** Use the command reload module <mod>

**Message** SYSMGR-2-GSYNC\_GET\_TIMEOUT: Request for global sync for UUID [hex] not completed in specified time.

**Explanation** Service failed to complete global sync in specified time. The standby will no longer act as a HA standby.

**Recommended Action** If the problem persists, please contact customer support.

**Message** SYSMGR-2-GSYNC\_READY\_SRVFAILED: Service "[chars]" on standby supervisor failed to restore its snapshot (error-id [hex]).

**Explanation** The initial synchronization of service [chars] has failed.

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

**Message** SYSMGR-2-GSYNC\_SNAPSHOT\_SRVFAILED: Service "[chars]" on active supervisor failed to store its snapshot (error-id [hex]).

**Explanation** The initial synchronization of service [chars] has failed.

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

**Message** SYSMGR-2-HANDSHAKE\_FAILED: Handshake with service "[chars]" in vdc [dec] failed since send failed: [chars] (error-id [hex]).

**Explanation** Handshake with a service failed since system manager could not send handshake response to it.

**Recommended Action** No action is required.

**Message** SYSMGR-2-HASWITCHOVER\_PRE\_START: This supervisor is becoming active (pre-start phase).

**Explanation** A cold switchover has started (pre-start phase).

**Recommended Action** When the other supervisor is back online, use the command 'show system reset-reason' to know what caused the switch over.

**Message** SYSMGR-2-HASWITCHOVER\_START: Supervisor [dec] is becoming active.

**Explanation** A cold switchover has started.

**Recommended Action** When the other supervisor is back online, use the command 'show system reset-reason' to know what caused the switch over.

**Message** SYSMGR-2-HEARTBEAT\_FAILED: Sysmgr heartbeat failed at %lu. [chars]. [chars] ([dec])

**Explanation** System manager had failure while trying to heartbeat with KLM

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

**Message** SYSMGR-2-INBAND\_START\_FAILED: Failure while bringing up inband after ISSU reboot, errno: [dec].

**Explanation** Sysmgr tried to bring up in band after ISSU reboot, but the call returned error.

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

**Message** SYSMGR-2-INVALID\_HANDSHAKE: Invalid secret ([dec]) received from service [chars]. Expected [dec].

**Explanation** A service cannot be started.

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

**Message** SYSMGR-2-INVALID\_SYSMGRCONF: [chars]: invalid configuration file "[chars]": [chars] (error-id [hex]).

**Explanation** The system image contains an inconsistent list of services. The initialization of the system cannot proceed further.

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

**Message** SYSMGR-2-INVALID\_VERSIONMSG: The remote System Manager ([chars]) declares itself in the same state as this System Manager ([chars]).

**Explanation** The redundancy state negotiation between the two supervisors failed.

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

**Message** SYSMGR-2-ISSU\_FAILED: The ISSU has failed: [chars] (error-id [hex])

**Explanation** The ISSU has failed and the switch need to be rebooted.

**Recommended Action** No action is required.

**Message** SYSMGR-2-LAST\_CORE\_BASIC\_TRACE: [chars]: PID [dec] with message [chars].

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-2-MSG\_SEND\_FAILURE\_STANDBY\_RESET: Failure in sending message to standby causing standby to reset.

**Explanation** We will be resetting the standby since mts on the active is unable to send a message to standby.

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

**Message** SYSMGR-2-MTS\_FLUSH\_SYNC\_QUEUE\_FAILURE: flush mts sync queue failed with [chars] (errno [dec])

**Explanation** Calling mts\_flush\_sync\_queue to guarantee no outstanding messages. the failure might affect HA

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

**Message** SYSMGR-2-NON\_VOLATILE\_DB\_FULL: System non-volatile storage usage is unexpectedly high at [dec]%.

**Explanation** System non-volatile storage space is almost full.

**Recommended Action** Please run the command clear processes log pid<pid>

**Message** SYSMGR-2-NON\_VOLATILE\_DB\_INODE\_FULL: System non-volatile inode storage usage is unexpectedly high at [dec]%.

**Explanation** System non-volatile inode storage space is almost full.

**Recommended Action** Please run the command clear processes log pid<pid>

**Message** SYSMGR-2-ONBOARD\_FAILURE\_LOGGING\_FULL: Onboard failure logging usage is unexpectedly high at [dec]%.

**Explanation** Onboard failure logging space is almost full.

**Recommended Action** Please run the command clear logging on board. If this message continues to persist, please contact TAC.

**Message** SYSMGR-2-PARSEERR\_DEPENDCYCLE: Dependency cycle found among [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.'

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

**Message** SYSMGR-2-PARSEERR\_DUPLICATEDCONFIG: [chars]: duplicated definition for service config. Previous definition in [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_DUPLICATEDDEPEND: [chars]: duplicated dependency from [chars] for service [chars]. Previous use in [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_DUPLICATEDNAME: [chars]: short name [chars] used by service [chars] is also used by service "[chars]" in [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_DUPLICATEDOPTION: [chars]: duplicated definition for option [chars]-

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_DUPLICATEDSERVICE: [chars]: duplicated definition for service [chars]. Previous definition in [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_DUPLICATEDVERDB: [chars]: duplicated definition for service version\_db. Previous definition in [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_DUP\_UGRPENTRY: [chars]: service [chars] duplicated in the current upgrade group. Previous use in [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_FT\_SET\_ID\_PARSEERR: [chars]: client\_id ([dec]) out of bound for "[chars]".

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_INCONSISTENTOPT: [chars]: option "[chars]=[chars]" not consistent with "[chars]=[chars]" for service "[chars]"

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_INVALIDCOMPCONDDPEND: [chars] (in dependency list of compulsory conditional service [chars]): optional conditional service "[chars]" not allowed.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_INVALIDCONDDPEND: [chars] (in dependency list of ASAP service [chars]): conditional service "[chars]" not allowed.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_INVALIDDEPEND: [chars] (in dependency list of service [chars]): service [chars] not defined for scope "[chars]".

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_INVALIDEXEC: [chars]: invalid executable [chars] for service [chars]: [chars] ([dec]).

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_INVALIDHANDSHAKEDEPEND: [chars] (in handshake dependency list of service [chars]): service "[chars]" is MTS unaware or not defined for scope "[chars]".

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_INVALIDIDENT: [chars]: [chars] "[chars]" not found for service "[chars]".

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_INVALIDOPTION: [chars]: option [chars]-

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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



**Message** SYSMGR-2-PARSEERR\_INVALIDSTDBYDEPEND: [chars]: service [chars] cannot be dependent on service [chars] due to the standby mode wait for that service.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_INVALIDVDCDEPEND: [chars] (in dependency list of service [chars]): service [chars] is a [chars] service.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.'

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

**Message** SYSMGR-2-PARSEERR\_INVALID\_CLEANUP\_ARGUMENTS: [chars]: cleanup\_arguments = "[chars]": only conditional services that are scripts can specify cleanup arguments

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_INVALID\_COND\_SRV\_MODE: [chars]: service [chars] not defined for scope "control" or not mts aware.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_INVALID\_DIR: [chars]: "[chars]" is not a valid [chars]: [chars] ([dec]).

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_INVALID\_GLOBAL\_SYNC: [chars]: mts unaware service may not request for a global sync.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_INVALID\_HB: [chars]: "[dec]" is not a valid heartbeat timeout.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_INVALID\_MAX\_INSTANCE: [chars]: [dec] is not a valid max\_instance.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.'

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

**Message** SYSMGR-2-PARSEERR\_INVALID\_SHELLTREE: [chars]: invalid shell parser tree [chars] for service [chars]: [chars] ([dec]).

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_INVALID\_STANDBY\_MODE\_GLOBAL\_SYNC: [chars]: service with standby mode wait cannot request for a global sync.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_INVALID\_STANDBY\_MODE: [chars]: standby\_mode should be run.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_INVALID\_STARTUP\_MODE\_DEPENDENCY: [chars]: Invalid dependency. Service [chars] s startup mode ('[chars]') does not match dependent service "[chars]"'s startup mode ('[chars]').'

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

**Recommended Action** No action is required.

**Message** SYSMGR-2-PARSEERR\_INVALID\_TRANSL: [chars]: invalid translator [chars] for service [chars]: [chars] ([dec]).

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_INVALID\_UGRPENTRY: [chars]: service "[chars]" is not defined.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_MISSINGOPTION: [chars]: option [chars]-

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_MTSUNAWARE\_HANDSHAKEDEPEND: [chars]: service [chars] is MTS unaware and cannot have handshake dependencies.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_NORESTART: [chars]: option [chars]-

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_NOTCONFIG: [chars]: [chars] implemented only for service config.

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_REPARSE\_CANNOT\_ADD\_SRV: Service "[chars]" cannot be added

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_REPARSE\_CANNOT\_DELETE\_SRV: Service "[chars]" cannot be removed

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_REPARSE\_CANNOT\_MODIFY\_PARAM: Cannot modify parameter [chars] for the service "[chars]", old value = [chars], new value = [chars]

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_REPARSE\_CANNOT\_MODIFY\_SRV: Configuration for service "[chars]" cannot be modified, param modified = [chars], old\_value = [chars], new\_value = [chars]

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_REP\_UGRPENTRY: [chars]: service [chars] is used in more than one upgrade group. First use in [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_TOOMANYDEPENDS\_MULTIPLE\_INST: [chars]: too many multiple instance dependencies ([dec]) for service "[chars]".

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_TOOMANYDEPENDS: [chars]: too many dependencies ([dec]) for service "[chars]".

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_UGRPDUPLICATEDNAME: [chars]: upgrade group name "[chars]" already used in [chars].

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARSEERR\_UGRPNAMEREDefined: [chars]: the upgrade group is already called "[chars]".

**Explanation** The system image contains an inconsistent list of services. The initialization of the system can not proceed further.

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

**Message** SYSMGR-2-PARTIAL\_CFGWRITE\_ABORTED: Partial configuration copy aborted.

**Explanation** A partial configuration copy has failed.

**Recommended Action** Please verify the other syslog messages printed correct the problem, and try again. If problem persists, please run the command 'running-config startup-config' and try again.'

**Message** SYSMGR-2-PLUGIN\_BOOTUP\_FAILURE: The bootup of the supervisor has failed due to plugin load: [chars] (error-id [hex])

**Explanation** The bootup of the supervisor has failed due to plugin load.

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

**Message** SYSMGR-2-PSS2FILE\_CONVERT\_FAILED: Conversion of file [chars] failed.

**Explanation** Conversion of internal data format failed.

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

**Message** SYSMGR-2-PSS2\_VOLATILE\_DB\_FULL: Volatile database usage in kernel is unexpectedly high at [dec]%.

**Explanation** System volatile database in kernel space is almost full.

**Recommended Action** Please run the command 'show system internal pss kernel mem stats'. If this message continues to persist, please contact TAC.'

**Message** SYSMGR-2-REDSTATE\_GETFAILED: Failed to request redundancy state: [chars] (error-id [hex]).

**Explanation** The local supervisor is unable to get the redundancy state.

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

**Message** SYSMGR-2-REDSTATE\_SETFAILED: Failed to set redundancy state: ret\_val ([dec]).

**Explanation** The local supervisor is unable to get the redundancy state.

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

**Message** SYSMGR-2-REDUNDANCY\_CHANNEL\_FAILURE: Remote sup will be rebooted since its coming up as active when local sup is still active.

**Explanation** Remote sup is becoming active although local sup is still active. As a result, local sup will cause the remote sup to reset itself.

**Recommended Action** If the problem persists, please contact customer support.

**Message** SYSMGR-2-REDUNDANCY\_HEARTBEAT\_FAILURE: Heartbeat between active and standby on the redundancy channel not working for last [dec] minutes.

**Explanation** This supervisor is not receiving heartbeat on the redundancy channel from the other supervisor. This can result in problems during switchover and switchover may even fail.

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

**Message** SYSMGR-2-RESTART\_SYSTEM\_LOG: We will be restarting system soon for vdc [dec].

**Explanation** We will be restarting system since we were trying to do a hot switchover before all the state could have been transferred to this supervisor. So we will be doing a cold switchover now.

**Recommended Action** No action is required.

**Message** SYSMGR-2-RESTORE\_RUNTIME\_DB\_FAILED: Restoring of runtime database for fabric switch upgrade failed during boot (error-id [hex]).

**Explanation** This message indicates that the runtime database could not be restored during boot for the fabric switch upgrade.

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

**Message** SYSMGR-2-SAVE\_RUNTIME\_DB\_FAILED: Saving of runtime database for fabric switch upgrade failed (error-id [hex]).

**Explanation** This message indicates that the runtime database could not be saved for the fabric switch upgrade.

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

**Message** SYSMGR-2-SERVICE\_CRASHED: Service "[chars]" (PID [dec]) hasntcaughtsignal[dec] [chars]'

**Explanation** A service has terminated its execution abnormally. The service might be restarted, depending on the HA policies implemented for the service.

**Recommended Action** Please use the command 'show process' to verify that the service has been restarted.

**Message** SYSMGR-2-SHUTDOWN\_FAILURE: Unable to set signal handler for graceful shutdown: [chars] (error-id [hex]).

**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

**Message** SYSMGR-2-SHUTDOWN\_REJECT: The System Manager is busy saving the configuration. Please try again later.

**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

**Message** SYSMGR-2-SHUTDOWN\_SYSTEM\_LOG: vdc [dec] will shut down soon.

**Explanation** We are shutting down system the vdc.

**Recommended Action** No action is required.

**Message** SYSMGR-2-SIGKILL\_FAILURE: Service "[chars]" failure to respond to SIGKILL causing supervisor to reset. Last heartbeat %.2f secs ago.

**Explanation** We will be resetting the supervisor since service failed to respond to SIGKILL sent to it by System Manager.

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



**Message** SYSMGR-2-SOCKET\_ERROR: Failed to open socket connection, errno: [dec].

**Explanation** Call to open socket connection failed.

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

**Message** SYSMGR-2-SRV\_CLEAR\_MEMORY\_ALERT: service "[chars]" clear memory alert ([dec]%)

**Explanation** Clean Memory Alert Event received

**Recommended Action** No action is required.

**Message** SYSMGR-2-SRV\_MAJOR\_MEMORY\_ALERT: service "[chars]" major memory alert ([dec]%)

**Explanation** Major Memory Alert Event received

**Recommended Action** No action is required.

**Message** SYSMGR-2-SRV\_MINOR\_MEMORY\_ALERT: service "[chars]" minor memory alert ([dec]%)

**Explanation** Minor Memory Alert Event received

**Recommended Action** No action is required.

**Message** SYSMGR-2-SRV\_SPAWN\_FAILED: Spawning of service "[chars]" in vdc [dec] failed : [chars] (error-id [hex]).

**Explanation** Failed to spawn a service

**Recommended Action** No action is required.

**Message** SYSMGR-2-STANDBY\_BOOT\_FAILED: Standby supervisor failed to boot up.

**Explanation** This message is printed if the standby supervisor does not complete its boot procedure (i.e. it doesn't reach the login prompt on the local console) 3 to 6 minutes after the loader has been loaded by the BIOS. This message is usually caused by boot variables not properly set for the stand by supervisor. This message can also be caused by a user intentionally interrupting the boot procedure at the loader prompt (by means of pressing ESC).

**Recommended Action** Connect to the local console of the standby supervisor. If the supervisor is at the loader prompt, try to use the boot' command to continue the boot procedure. Otherwise, issue a 'reload' command for the stand by supervisor from avsh session on the active supervisor, specifying the 'force-dnld' option. Once the stand by is online, fix the problem by setting the boot variables appropriately.

**Message** SYSMGR-2-STARTUP\_CONVERSION\_FAILED: Startup config conversion failed during boot (error-id [hex]).

**Explanation** This message indicates that the conversion of startup configuration failed during boot.

**Recommended Action** If the problem persists, please use the 'vshboot' command in system to initialize the configuration partition.

**Message** SYSMGR-2-START\_SCRIPT\_FAILED: Start script (/isan/etc/rc.sysmgr start) failed with return value: ([dec]).

**Explanation** The initialization of the system could not complete.

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

**Message** SYSMGR-2-SUBPROC\_SPAWN\_FAILED: Spawning of sub-process "[chars]" in vdc [dec] failed: [chars] (error-id [hex]).

**Explanation** Failed to spawn a sub-process

**Recommended Action** No action is required.

**Message** SYSMGR-2-SUP\_POWERDOWN: Supervisor in slot [dec] is running with less memory than active supervisor in slot [dec]

**Explanation** Supervisor memory mismatch

**Recommended Action** No action is required.

**Message** SYSMGR-2-SWITCHOVER\_OVER: Switchover completed.

**Explanation** The switchover is completed.

**Recommended Action** No action is required.

**Message** SYSMGR-2-SWITCHOVER\_SRVCRASHED: Service "[chars]" (PID [dec]) crashed during switchover - hasn't caught signal[dec].Core will not be collected.'

**Explanation** The switchover failed because a service crashed during switchover.

**Recommended Action** No action is required.

**Message** SYSMGR-2-SWITCHOVER\_SRVFAILED: Service "[chars]" failed in performing its switchover actions (error-id [hex]).

**Explanation** The switchover failed because a service could not transition to the active state.

**Recommended Action** No action is required.

**Message** SYSMGR-2-SWITCHOVER\_SRVTERMINATED: Service "[chars]" (PID [dec]) terminated during switchover with error code [dec].

**Explanation** The switchover failed because a service terminated during switchover.

**Recommended Action** No action is required.

**Message** SYSMGR-2-SWITCHOVER\_THRESHOLD\_EXCEEDED: Switchover threshold exceeded ([dec] switch overs happened within [dec] seconds). Powering down all linecards.

**Explanation** Switchover threshold exceeded

**Recommended Action** No action is required.

**Message** SYSMGR-2-SWITCHOVER\_TIMEOUT: Service "[chars]" (vdc [dec]) did not respond to switchover message in [dec] seconds

**Explanation** The switchover timeout because a service failed to response

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

**Message** SYSMGR-2-SYNC\_FAILURE\_MSG\_PAYLOAD: vdc [dec]: [chars]

**Explanation** Dump out the msg to know what causes sync failure

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

**Message** SYSMGR-2-SYNC\_FAILURE\_STANDBY\_RESET: Failure in syncing messages to standby for vdc [dec] causing standby to reset.

**Explanation** We will be resetting the standby since mts on the active is unable to sync messages to standby.

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

**Message** SYSMGR-2-SYSMGR\_AUTOCOLLECT\_TECH\_SUPPORT\_LOG: This supervisor will temporarily remain online in order to collect show tech-support. This behavior is configurable via system [no] auto-collect tech-support'

**Explanation** Supervisor is automatically collecting logs

**Recommended Action** No action is required.

**Message** SYSMGR-2-TMP\_DIR\_FULL: System temporary directory usage is unexpectedly high at [dec]%.  
 [chars]

**Explanation** System /tmp space is almost full.

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

**Message** SYSMGR-2-VDC\_CREATE\_DELETE\_SRVCRASHED: Global vdc-aware service "[chars]" (PID [dec]) crashed during vdc create/delete on standby - hasn't caught signal [dec].'

**Explanation** The creation/deletion of vdc on standby failed because a global vdc-aware service crashed on standby.

**Recommended Action** No action is required.

**Message** SYSMGR-2-VDC\_CREATE\_DELETE\_SRVTERMINATED: Global vdc-aware service [chars] (PID [dec]) terminated during vdc create/delete on standby with error code [dec].

**Explanation** The creation/deletion of vdc on standby failed because a global vdc-aware service terminated on standby.

**Recommended Action** No action is required.

**Message** SYSMGR-2-VDC\_DELETE\_FAILURE: The vdc delete has failed: [chars] (error-id [hex])

**Explanation** The vdc delete has failed

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

**Message** SYSMGR-2-VDC\_NOT\_CLEANEDUP\_SRVS: vdc [dec]: [chars]

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-2-VOLATILE\_DB\_FULL: System volatile database usage is unexpectedly high at [dec]%.  
 [chars]

**Explanation** System volatile database space is almost full.

**Recommended Action** Please run the command system pss shrink'. If this message continue persistent, please contact TAC.'

**Message** SYSMGR-2-WARMSWITCHOVER\_START: This supervisor is becoming active.

**Explanation** A cold switchover has started.

**Recommended Action** When the other supervisor is back online, use the command 'show system reset-reason' to know what caused the switchover.

**Message** SYSMGR-2-WDT\_KGDB: System watchdog kgdb has been [chars] for slot [dec].

**Explanation** System watchdog kgdb has been [chars]. If the command has been enabled, the system will go into kgdb if there is a watchdog timeout.

**Recommended Action** No action is required.

## SYSMGR-3

**Message** SYSMGR-3-BASIC\_TRACE: [chars]: PID [dec] with message [chars].

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-3-CAPABILITY\_REDUN\_CHANGE: Redundancy mode changed to [chars] due to configuration change.

**Explanation** Some configuration changes have occurred causing administrative redundancy mode to change.

**Recommended Action** No action is required.

**Message** SYSMGR-3-CFGCTRL\_ABORT: signal to abort cfgctrl as super changes to the unstable state

**Explanation** When super state changes to unstable, cfgctrl should be terminated

**Recommended Action** No action is required.

**Message** SYSMGR-3-CFGERASE\_FAILED: Configuration erase failed (error-id [hex]).

**Explanation** The requested configuration erase has failed. [dec] is the error-ID representing the failure reason.

**Recommended Action** No action is required.

**Message** SYSMGR-3-CFGSNAPSHOT\_FAILED: Configuration snapshot failed (error-id [hex]).

**Explanation** The requested configuration snapshot has failed. [dec] is the error-id representing the failure reason.

**Recommended Action** No action is required.

**Message** SYSMGR-3-CFGWRITE\_FAILED: Configuration copy failed (error-id [hex]).

**Explanation** The requested configuration copy has failed. [dec] is the error-id representing the failure reason.

**Recommended Action** No action is required.

**Message** SYSMGR-3-CFGWRITE\_REJECT: Discarding request for configuration [chars]: configuration action already in progress.

**Explanation** Another instance of the command 'copy running-config startup-config' is in progress.

**Recommended Action** Please wait for the other instance to complete.

**Message** SYSMGR-3-CFGWRITE\_SRVCRASHED: Service [chars] crashed with signal ([dec]) while configuration was being saved

**Explanation** A required service has crashed while configuration was being saved. The overall configuration copy is considered failed.

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

**Message** SYSMGR-3-CFGWRITE\_SRVFAILED: Service "[chars]" failed to store its configuration (error-id [hex]).

**Explanation** A required service has failed to store its own configuration into the startup-config. The overall configuration copy is considered failed.

**Recommended Action** Use the 'show process' command to verify that the system is running properly and the service [chars] is behaving correctly. Then try again.

**Message** SYSMGR-3-CFGWRITE\_SRVTERMINATED: Service [chars] terminated with error code ([dec]) while configuration was being saved

**Explanation** A required service has terminated while configuration was being saved. The overall configuration copy is considered failed.

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

**Message** SYSMGR-3-CFGWRITE\_SRVTIMEOUT: Service [chars] failed to store its configuration in the timeout period

**Explanation** A required service has failed to send a response after receiving a request to store its configuration into the startup-config. The overall configuration copy is considered failed.

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

**Message** SYSMGR-3-CFGWRITE\_VDCSRVCRASHED: Service [chars] in vdc [dec] crashed with signal ([dec]) while configuration was being saved

**Explanation** A required service has crashed while configuration was being saved. The overall configuration copy is considered failed.

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

**Message** SYSMGR-3-CFGWRITE\_VDCSRVFAILED: Service "[chars]" in vdc [dec] failed to store its configuration (error-id [hex]).

**Explanation** A required service has failed to store its own configuration into the startup-config. The overall configuration copy is considered failed.

**Recommended Action** Use the show process command to verify that the system is running properly and the service [chars] is behaving correctly. Then try again.

**Message** SYSMGR-3-CFGWRITE\_VDCSRVTERMINATED: Service [chars] in vdc [dec] terminated with error code ([dec]) while configuration was being saved

**Explanation** A required service has terminated while configuration was being saved. The overall configuration copy is considered failed.

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

**Message** SYSMGR-3-CFGWRITE\_VDCSRVTIMEOUT: Service [chars] in vdc [dec] failed to store its configuration in the timeout period

**Explanation** A required service has failed to send a response after receiving a request to store its configuration into the startup-config. The overall configuration copy is considered failed.

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

**Message** SYSMGR-3-COPY\_CORES\_FAILED: Copying cores failed ([dec]).

**Explanation** Copying cores to the destination failed because of an error specified in the log.

**Recommended Action** No action is required.

**Message** SYSMGR-3-COREDUMP\_TIMEOUT: Failed to store the core in the specified time. Resetting....

**Explanation** Failed to store the core in the specified time. Resetting...

**Recommended Action** No action is required.

**Message** SYSMGR-3-CORE\_CLIENT\_INIT\_FAILED: Core client will not be started due to some internal error.

**Explanation** Core client will not be started due to some internal error.

**Recommended Action** No action is required.

**Message** SYSMGR-3-CORE\_OP\_FAILED: Core operation failed: [chars]

**Explanation** Mainly use to display failure on core operation in general

**Recommended Action** No action is required.

**Message** SYSMGR-3-CORE\_SERVER\_INIT\_FAILED: Core server will not be started due to some internal error.

**Explanation** Core server will not be started due to some internal error.

**Recommended Action** No action is required.

**Message** SYSMGR-3-DAEMONIZE\_FAILED: Unable to daemonize service "[chars]": [chars] ([dec]).

**Explanation** A service could not be spawned.

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

**Message** SYSMGR-3-FAILED\_PFM\_HANDSHAKE: PFM-handshake from service "[chars]" failed (error-id [hex]).

**Explanation** The Platform Manager handshake has failed. The system ca not proceed with the initialization.'

**Recommended Action** No action is required.

**Message** SYSMGR-3-GSYNC\_TIMEOUT\_FAILED: Failed to set timeout for global sync for an application ([dec]).

**Explanation** Failed to set timeout for global sync for an application. This can result in global sync to be stuck forever if application never complete global sync.

**Recommended Action** No action is required.



**Message** SYSMGR-3-HEARTBEAT\_FAILURE: Service "[chars]" sent SIGABRT for not setting heartbeat for last [dec] periods. Last heartbeat %.2f secs ago.

**Explanation** A service is not setting proper heartbeats to System Manager So it will kill this service and if this service has restartability set to TRUE, the service will restart.

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

**Message** SYSMGR-3-INVALID\_BOOT\_HANDSHAKE: Boot-scope-handshake received from service [chars], that is in scope [dec] (not the boot scope).

**Explanation** A service is trying to take actions that belong to a different class of services.

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

**Message** SYSMGR-3-INVALID\_GSYNC\_GET: Service "[chars]" vdc [dec] requesting gsync without setting proper flag in its conf file.

**Explanation** Service is requesting global sync without setting proper flag in its conf file.

**Recommended Action** No action is required.

**Message** SYSMGR-3-INVALID\_PFM\_HANDSHAKE: PFM-handshake received from service [chars], that is in scope [dec] (not the boot scope).

**Explanation** A service is trying to take actions that belong to the Platform Manager service.

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

**Message** SYSMGR-3-INVALID\_TRANSITION: Transition from state [chars] to state [chars] is not allowed.

**Explanation** Unexpected transition in the System Manager state machine.

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

**Message** SYSMGR-3-INVALID\_UUID: Service [chars] is configured with UUID [hex], but uses UUID [hex].

**Explanation** The identity of a service is inconsistent in the image file

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

**Message** SYSMGR-3-ISSU\_BEGIN\_FAILED: ISSU cannot proceed (error-id [hex]).

**Explanation** This message indicates that some service has blocked the ISSU.

**Recommended Action** No action is required.

**Message** SYSMGR-3-LC\_IMAGE\_UPGRADE\_FAILURE: Linecard image upgrade request failed (error-id [hex]).

**Explanation** Linecard image upgrade request failed

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

**Message** SYSMGR-3-LC\_RESET: Resetting linecard

**Explanation** Linecard is being reset

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

**Message** SYSMGR-3-LC\_SAVE\_STATES\_FAILURE: Save states request for the linecard failed (error-id [hex]).

**Explanation** Save state request for the linecard failed

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

**Message** SYSMGR-3-LC\_STOP\_ASYNC\_FAILURE: Stop async notification request failed (error-id [hex]).

**Explanation** Stop async notification request for the linecard failed

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

**Message** SYSMGR-3-LC\_UPG\_ERROR: LC ERROR: [chars]

**Explanation** Linecard upgrade Message

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

**Message** SYSMGR-3-MISSING\_OPTIONAL\_CAPABILITY: Incomplete support for the current running-config on standby supervisor.

**Explanation** Loose config incompatibilities exist between active and standby sup. Operational redundancy mode is still set to HA.

**Recommended Action** No action is required.

**Message** SYSMGR-3-MODULE\_LOCK\_FAILED: Failed to lock the local module to avoid reset (error-id [hex]).

**Explanation** Locking the local module has failed. Reloading the local module can now result in switchover to fail.

**Recommended Action** No action is required.

**Message** SYSMGR-3-ND\_UPGD\_RECOVERY\_SRVFAILED: Service "[chars]" in vdc [dec] failed in non-disruptive upgrade recovery (error-id [hex]).

**Explanation** The non-disruptive upgrade failed because a service could not recover its state.

**Recommended Action** No action is required.

**Message** SYSMGR-3-OPERATIONAL\_MODE\_WARM: Operational redundancy mode set to warm (error-id [hex]).

**Explanation** Operational redundancy mode will be set to warm. [dec] is the error-ID representing the reason.

**Recommended Action** No action is required.

**Message** SYSMGR-3-PARTIAL\_CFGWRITE\_FAILED: Partial configuration copy failed (error-id [hex]).

**Explanation** The requested configuration copy has failed. [dec] is the error-ID representing the failure reason.

**Recommended Action** No action is required.

**Message** SYSMGR-3-PARTIAL\_CFGWRITE\_VER\_MISMATCH: Startup-config version not same as current software version.

**Explanation** Startup-config version not same as current software version.

**Recommended Action** Please do a copy running startup, and try again.

**Message** SYSMGR-3-RTDBCTRL\_BUILD\_UPG\_TBL\_FAILED: Failed to prepare upgrade version table during pre-upgrade

**Explanation** A required sequence in the pre-upgrade sequence has failed. The version table could not be built correctly

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

**Message** SYSMGR-3-RTDBCTRL\_SRVFAILURE: Service "[chars]" responded with a failure

**Explanation** A service responded with a failure to the request

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

**Message** SYSMGR-3-RTDBCTRL\_SRVTIMEOUT: Service [chars] failed to respond back to System Manager in the specified timeout period

**Explanation** A required service has failed to send a response after receiving a request for the fabric switch upgrade.

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

**Message** SYSMGR-3-RTDBCTRL\_SRV\_RECV\_FAILED: Failed to receive response from Service "[chars]"

**Explanation** A required service has failed to send a response after receiving a request for the fabric switch upgrade.

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

**Message** SYSMGR-3-RTDBCTRL\_SRV\_SEND\_FAILED: Failed to send upgrade request to Service "[chars]"

**Explanation** Failed to send upgrade request to a required service

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

**Message** SYSMGR-3-SERVICE\_TERMINATED: Service [chars] (PID [dec]) has finished with error code [chars] ([dec]).

**Explanation** A service has terminated its execution normally. Depending on the value of [dec2] and the HA policies implemented for the service, the service might be restarted automatically.

**Recommended Action** No action is required.

**Message** SYSMGR-3-SHUTDOWN\_OVER: The System Manager is shutting down now.

**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

**Message** SYSMGR-3-SHUTDOWN\_START: The System Manager has started the shutdown procedure.

**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

**Message** SYSMGR-3-STANDBY\_UNSTABLE\_FTSET\_OPERATION: Restarting standby since it is not in hot standby state while feature-set operation was in progress in vdc [dec].

**Explanation** Standby unstable during feature-set operation

**Recommended Action** No action is required.

**Message** SYSMGR-3-STANDBY\_VDC\_RESTART\_FAILURE: vdc [dec] on standby failed to restart. error: [chars] ([hex])

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-3-SYSMGR\_CRASHED: Sysmgr (PID [dec]) [chars]

**Explanation** Sysmgr has terminated abnormally.

**Recommended Action** Please use the command 'show process' to verify that sys mgr has been restarted.

**Message** SYSMGR-3-TFTP\_CORES\_FAILED: TFTPing cores failed ([chars]).

**Explanation** TFTPing cores to the destination failed because of an error specified in the log.

**Recommended Action** No action is required.

**Message** SYSMGR-3-UNACCEPTABLE\_WAIT: Service [chars], no response from System Manager after [dec] seconds. Terminating.

**Explanation** A spawned service could not handshake with the System Manager and it's about to be terminated.

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

**Message** SYSMGR-3-UNLINK\_RELINK\_CONF\_FILES\_FAILED: [chars] of conf files failed. plugin\_id [dec]

**Explanation** Unlink and/or Relink of configuration files failed.

**Recommended Action** No action is required.

**Message** SYSMGR-3-URIFS\_APPLY\_FAILED: Applying URI filesystem database failed (error-id [hex]).

**Explanation** The application of URI filesystem database has failed. [dec] is the error-ID representing the failure reason.

**Recommended Action** No action is required.

## SYSMGR-4

**Message** SYSMGR-4-BASIC\_TRACE\_WARNING: [chars]: PID [dec] with message [chars].

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-4-CFGWRITE\_PARTIALFORCED: Some services are missing; partial configuration write forced.

**Explanation** The system is not fully operational, but a configuration copy has been forced. The services that are not running wont save their configuration, and then ext time they will restart with a default configuration.

**Recommended Action** Use the 'show process' command to find out which required services are not running.

**Message** SYSMGR-4-ON\_DEMAND\_STOP\_UID\_KNOWN: On-demand service "[chars]" stopped by uid ([dec]).

**Explanation** The service start type is specified as type on-demand in its configuration file and an external request requested to abort it.

**Recommended Action** No action is required.

**Message** SYSMGR-4-ON\_DEMAND\_STOP: On-demand service "[chars]" stopped.

**Explanation** The service start type is specified as type on-demand in its configuration file and an external request requested to abort it.

**Recommended Action** No action is required.

**Message** SYSMGR-4-PARSEWARN\_INVALID\_CFGFILE: [chars]: unable to find "[chars]": [chars] ([dec]).

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

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

**Message** SYSMGR-4-PARSEWARN\_RESTART\_CNT\_TOO\_BIG: Service "[chars]": [chars] restart count of [dec] too big, needs to be set to [dec].

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

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

**Message** SYSMGR-4-PARSEWARN\_VALUE\_TOO\_SMALL: [chars]: [chars] is too small, replaced with [dec].

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

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

**Message** SYSMGR-4-READCONF\_REJECT: Discarding configuration update request: [chars].

**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

**Message** SYSMGR-4-READCONF\_STARTED: Configuration update started (PID [dec]).

**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

**Message** SYSMGR-4-SRVSCOPE\_DELAYED: Waiting for redundancy state; termination delayed for scope [chars].

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Message** SYSMGR-4-SYSMGR\_CORE\_TRUNCATED: Core seems to be truncated on generation. [dec] / [dec] KB. PID: [dec]

**Explanation** Core likely truncated

**Recommended Action** No action is required.

**Message** SYSMGR-4-SYSMGR\_PLUGIN\_FAILURE: Received failure response [hex] from Plugin Manager

**Explanation** Failure response from plugin mgr

**Recommended Action** No action is required.

**Message** SYSMGR-4-SYSMGR\_VDC\_CORE\_DELETION: Cores in VDC [dec] will be deleted as part of VDC deletion

**Explanation** VDC cores deleted

**Recommended Action** No action is required.

**Message** SYSMGR-4-UGRP\_ALL\_COMPLETED: Upgrade completed for all the groups.

**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

**Message** SYSMGR-4-VAR\_SYSMGR\_FULL: System core file storage usage is unexpectedly high at [dec]%. This may cause corruption of core files

**Explanation** System core file storage space is almost full.

**Recommended Action** Please copy cores off the supervisor and run 'clear cores' to free some space

## SYSMGR-5

**Message** SYSMGR-5-CFGERASE\_DONE: Configuration erase successful.

**Explanation** The requested configuration erase has completed successfully.

**Recommended Action** No action is required.

**Message** SYSMGR-5-CFGERASE\_STARTED: Configuration erase started (PID [dec]).

**Explanation** The requested configuration erase has started. [dec] is the Process-ID of the process servicing the request.

**Recommended Action** No action is required.

**Message** SYSMGR-5-CFGINIT\_STARTED: Initialization of the startup configuration started (PID [dec]).

**Explanation** The requested initialization of the startup configuration has started. [dec] is the Process-ID of the process servicing the request.

**Recommended Action** No action is required.



**Message** SYSMGR-5-CFGSNAPSHOT\_DONE: Configuration snapshot successful.

**Explanation** The requested configuration snapshot has completed successfully.

**Recommended Action** No action is required.

**Message** SYSMGR-5-CFGSNAPSHOT\_STARTED: Configuration snapshot started (PID [dec]).

**Explanation** The requested configuration snapshot has started. [dec] is the Process-ID of the process servicing the request.

**Recommended Action** No action is required.

**Message** SYSMGR-5-CFGWRITE\_DONE: Configuration copy successful.

**Explanation** The requested configuration copy has completed successfully.

**Recommended Action** No action is required.

**Message** SYSMGR-5-CFGWRITE\_STARTED: Configuration copy started (PID [dec]).

**Explanation** On the active supervisor, this message indicates that the system has started to service a 'copy running-config startup-config' requested by the user. On the standby supervisor, this message indicates that the system is synchronizing the startup-config from the active supervisor.[dec] is the Process-ID of the process servicing the request.'

**Recommended Action** No action is required.

**Message** SYSMGR-5-CONVERT\_STARTUP\_STARTED: Configuration conversion started (PID [dec]).

**Explanation** This message indicates that the system has started conversion of startup configuration. This happens either on system boot or during the course of an upgrade.

**Recommended Action** No action is required.

**Message** SYSMGR-5-DELETE\_BINARY\_STARTUP\_STARTED: Deletion of binary startup configuration started (PID [dec]).

**Explanation** This message indicates that the system will be deleting the binary startup configuration, due to an error in the conversion of the startup conversion.

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

**Message** SYSMGR-5-FSM\_STATE\_TRANS: System Manager NESTED state transition from [chars] to [chars].

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-5-IMPROPER\_CLEANUP: Service "[chars]" exited without replying to switchover request.

**Explanation** A conditional service exited without replying to switchover request. This message is for logging purposes only and does not affect the functionality of the system

**Recommended Action** No action is required.

**Message** SYSMGR-5-ISSU\_ABORT: Notifying services of aborted ISSU (PID [dec]).

**Explanation** This message indicates that the ISSU has been aborted and the services have been asked to rollback any changes.

**Recommended Action** No action is required.

**Message** SYSMGR-5-ISSU\_BEGIN\_STARTED: Notifying services of ISSU (PID [dec]).

**Explanation** This message indicates that the system has started notifying services for the ISSU. Services can block the upgrade at this point.

**Recommended Action** No action is required.

**Message** SYSMGR-5-LC\_UPGRADE\_REBOOT: Rebooting linecard as a part of upgrade

**Explanation** Linecard is being rebooted as a part of upgrade

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

**Message** SYSMGR-5-LC\_UPGRADE\_START: Starting linecard upgrade

**Explanation** Linecard upgrade is starting

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

**Message** SYSMGR-5-MODULE\_ONLINE: System Manager has received notification of local module becoming online.

**Explanation** System Manager has received notification of local module becoming online.

**Recommended Action** No action is required.

**Message** SYSMGR-5-PARTIAL\_CFGWRITE\_ASCII\_CONFIG: Startup-config version not present.

**Explanation** Startup-config version not present.

**Recommended Action** Startup-config version is not present. Ascii configuration will be applied.

**Message** SYSMGR-5-PARTIAL\_CFGWRITE\_DONE: Partial configuration copy successful.

**Explanation** The requested configuration copy has completed successfully.

**Recommended Action** No action is required.

**Message** SYSMGR-5-PARTIAL\_CFGWRITE\_STARTED: Partial configuration copy started by UUID [hex] (PID [dec]).

**Explanation** This message is printed only on active supervisor, and indicates that service with mentioned UUID has requested a partial write mem. [dec] is the Process-ID of the process servicing the request.

**Recommended Action** No action is required.

**Message** SYSMGR-5-RECOVERY\_FAILED: Stateful recovery failed, system manager will now start stateless.

**Explanation** Stateful recovery failed, system manager will now restart system and start stateless.

**Recommended Action** No action is required.

**Message** SYSMGR-5-RUNTIME\_DB\_RESTORE\_STARTED: Runtime database controller started (PID [dec]).

**Explanation** This message indicates that the system has started the restoration of the runtime database. This happens during the non-disruptive fabric switch upgrade.

**Recommended Action** No action is required.

**Message** SYSMGR-5-RUNTIME\_DB\_RESTORE\_SUCCESS: Runtime database successfully restored.

**Explanation** This message indicates that the runtime database has been successfully restored for the non-disruptive fabric switch upgrade.

**Recommended Action** No action is required.

**Message** SYSMGR-5-RUNTIME\_DB\_SAVE\_STARTED: Runtime database save has started (PID [dec]).

**Explanation** This message indicates that the system has started the saving of the runtime database. This happens during the non-disruptive fabric switch upgrade.

**Recommended Action** No action is required.

**Message** SYSMGR-5-SERVICE\_DELETED: Service [chars] has been removed from the System Manager database.

**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

**Message** SYSMGR-5-STATEFUL\_STATE: System Manager is in state [chars] after stateful restart.

**Explanation** System Manager has been restarted stateful after an error that resulted in System Manager exiting.

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

**Message** SYSMGR-5-SUBPROC\_KILLED: "[chars]" (PID [dec]) hasn't caught signal [dec] [chars]

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Message** SYSMGR-5-SUBPROC\_TERMINATED: "[chars]" (PID [dec]) has finished with error code [chars] ([dec]).

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Message** SYSMGR-5-UGRP\_COMPLETED: Upgrade completed for group [dec].

**Explanation** This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

**Recommended Action** No action is required.

## SYSMGR-6

**Message** SYSMGR-6-ALL\_SCOPES\_STARTED: System services have completely started at this time.

**Explanation** System services have completely started at this time.

**Recommended Action** No action is required.

**Message** SYSMGR-6-HANDSHAKE\_DONE: Handshake with service "[chars]" successfully performed.

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Message** SYSMGR-6-HANDSHAKE\_VERIFYING\_DONE: Handshake verification done from service "[chars]".

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-6-LC\_UPG\_DEBUG: LC DEBUG: [chars]

**Explanation** Linecard upgrade debug message

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

**Message** SYSMGR-6-RLIMIT\_INFO: rlimit of service "[chars]"([dec]) = %llu

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-6-SERVICE\_STARTED: Service "[chars]" in vdc [dec] started with PID([dec]).

**Explanation** The System Manager is starting a service. This message is for debugging purposes only.

**Recommended Action** No action is required.

**Message** SYSMGR-6-SERVICE\_SUCCESS\_EXIT: Service [chars] (PID [dec]) has successfully exited with exit code [chars] ([dec]).

**Explanation** A service has successfully exited its execution.

**Recommended Action** No action is required.

**Message** SYSMGR-6-SRVSCOPE\_COMPLETED: Completed execution for scope [chars].

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Message** SYSMGR-6-SRVSCOPE\_STARTED: Started execution for scope [chars].

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Message** SYSMGR-6-SRVSTATE\_CHANGED: State for service "[chars]" changed from [chars] to [chars] in vdc [dec].

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Message** SYSMGR-6-SRV\_ENQUEUED\_FOR\_START: Conditional service "[chars]" started by sap "[dec]" has been enqueued for start.

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-6-STATE\_CHANGED: System Manager state changed from [chars] to [chars] for vdc [dec].

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-6-SUBPROC\_SUCCESS\_EXIT: [chars] (PID [dec]) has successfully exited with exit code [chars] ([dec]).

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Message** SYSMGR-6-SUPERSTATE\_CHANGED: System Manager super state changed from [chars] to [chars] for vdc [dec].

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-6-UNEXPECTED\_GSYNC\_RESTART\_STANDBY: Sending a message to restart system on standby on vdc [dec].

**Explanation** Activity occurred on active supervisor that is incompatible with state of standby. System will be restarted on standby.

**Recommended Action** No action is required.

## SYSMGR-7

**Message** SYSMGR-7-CFGWRITE\_UNEXPECTEDRSP: Discarding unexpected response from service "[chars]".

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-7-DUPLICATED\_PFM\_HANDSHAKE: PFM-handshake received from service [chars], but information already available.

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Message** SYSMGR-7-LIBCDB\_FAILURE: Conversion for service "[chars]" failed in libcdb.

**Explanation** This message indicates that either the system could not find conversion tarball or there is no conversion library needed for this service.

**Recommended Action** No action is required.

**Message** SYSMGR-7-LIBVDB\_FAILURE: Conversion for service "[chars]" failed in libvdb.

**Explanation** This message indicates that the system could not find package information for this service in the version database.

**Recommended Action** No action is required.

**Message** SYSMGR-7-ND\_UPGD\_RECOVERY\_SRVSUCCEEDED: Service "[chars]" recovered its state during non-disruptive upgrade.

**Explanation**

**Recommended Action** No action is required.

**Message** SYSMGR-7-NO\_STARTUP\_CONFIG: No startup-config to convert.

**Explanation** This message indicates that the system tried to convert startup configuration but it found no configuration to convert.

**Recommended Action** No action is required.

**Message** SYSMGR-7-SWITCHOVER\_SRVSUCCEEDED: Service "[chars]" completed its switchover actions.

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Message** SYSMGR-7-UNEXPECTEDMSG: Opcode [dec] not expected at this time from service "[chars]" ([chars]).

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Message** SYSMGR-7-UNKNOWNADDR: Opcode [dec] received from unknown source [chars]. Discarding.

**Explanation** This message is for Cisco TAC debugging. This is not a problem or malfunction.

**Recommended Action** No action is required.

**Message** SYSMGR-7-UNKNOWNMSG: Unknown opcode [dec] received from [chars].

**Explanation** The System Manager has received an unrecognized message with the specified opcode. [chars] is the source of the message. This message is for debugging purposes only.

**Recommended Action** No action is required.

**Message** SYSMGR-7-UNKNOWNPID: Opcode [dec] received from [chars] with unknown PID [dec]. Discarding.

**Explanation** The System Manager has received a message from an unknown process. [chars] is the source of the message. This message is for debugging purposes only.

**Recommended Action** No action is required.



**Message** SYSMGR-7-UNKNOWNUUID: Opcode [dec] received from [chars] with unknown UUID [dec]. Discarding.

**Explanation** The System Manager has received an unrecognized message from the specified UUID. [chars] is the source of the message. This message is for debugging purposes only.

**Recommended Action** No action is required.

## SYSTEM HEALTH LC Messages

This section contains the SYSTEM HEALTH LC messages.

### SYSTEM HEALTH LC-2

**Message** SYSTEM HEALTH LC-2-OHMS\_FIPS\_FAILURE: FIPS compliance error during random number generation.

**Explanation** FIPS compliance error.

**Recommended Action** No action is required.

**Message** SYSTEM HEALTH LC-2-OHMS\_LC\_CF\_CRC\_FAILED: Compact Flash firmware CRC checksum on module [dec] is corrupted.

**Explanation** Compact flash firmware has been corrupted.

**Recommended Action** Replace the compact flash on this module.

**Message** SYSTEM HEALTH LC-2-OHMS\_LC\_CF\_INIT\_ERRORS: Compact Flash firmware CRC checksum procedure encountered an error during initialization on module [dec], reason: ([chars]).

**Explanation** Compact flash CRC checksum initializations failed.

**Recommended Action** Check the compact flash on the board and any relevant system (mis) configurations.

**Message** SYSTEM HEALTH LC-2-OHMS\_LC\_CF\_REFLASH\_FAILED: Compact Flash firmware refresh procedure failed, replace the compact flash on module [dec]. Reason [dec]

**Explanation** Compact flash firmware has been corrupted is corrupted.

**Recommended Action** Replace the compact flash on this module.

**Message** SYSTEM HEALTH LC-2-OHMS\_LC\_TCAM\_PARITY\_OFLOW: Too many TCAM Parity errors detected on module [dec]

**Explanation** More parity errors than that can be corrected were detected on the affected module

**Recommended Action** Please schedule a downtime and reload the module. If these errors continue to happen even after module reload, please replace the module.

## SYSTEM HEALTH LC-4

**Message** SYSTEM HEALTH LC-4-OHMS\_BOOTFLASH\_ERRORS: Bootflash test has encountered an error on module [dec] Reason:([chars]).

**Explanation** Compact flash test errors.

**Recommended Action** No action is required.

**Message** SYSTEM HEALTH LC-4-OHMS\_EXIT: Online System Health exiting due to internal errors. Reason [dec]

**Explanation** Online System Health exiting due to internal errors.

**Recommended Action** No action is required.

**Message** SYSTEM HEALTH LC-4-OHMS\_LC\_BATTERY\_ERRORS: Battery test on module [dec] has stopped due to internal errors.

**Explanation** Battery test internal errors

**Recommended Action** No action is required.

**Message** SYSTEM HEALTH LC-4-OHMS\_LC\_BOOTFLASH\_TEST\_ERR: Bootflash test cannot proceed due to internal errors on module [dec].

**Explanation** Compact flash test has had too many internal errors.

**Recommended Action** No action is required.

**Message** SYSTEM HEALTH LC-4-OHMS\_LC\_CACHE\_DISK\_ERRORS: Cache disk test on module [dec] dpp [dec] has stopped due to internal errors.

**Explanation** Cache disk test internal errors

**Recommended Action** No action is required.

**Message** SYSTEM HEALTH LC-4-OHMS\_LC\_CF\_CRC\_PASSED: Compact Flash firmware on module [dec] is healthy at this time.

**Explanation** The Compact Flash model has data retention issues and need to be replaced.

**Recommended Action** Please schedule a downtime and replace the compact flash on this module.

SYSTEM HEALTH LC-4-OHMS\_LC\_CF\_CRC\_PROCESS\_ERR:

**Message** SYSTEM HEALTH LC-4-OHMS\_LC\_CF\_CRC\_PROCESS\_ERR: Compact flash firmware CRC checksum procedure failed on module [dec]. Reason [dec]

**Explanation** Compact flash firmware CRC checksum procedure failed.

**Recommended Action** Try restarting the cf-crc-check using system health clear-errors module cf-crc-check. If the condition still persist, schedule a downtime and replace the compact flash on the affected module.

**Message** SYSTEM HEALTH LC-4-OHMS\_LC\_CF\_RECALLED: Compact Flash on module [dec] was recalled.

**Explanation** The Compact flash model has data retention issues and need to be replaced.

**Recommended Action** Please schedule a downtime and replace the compact flash on this module.

**Message** SYSTEM HEALTH LC-4-OHMS\_LC\_CF\_REFLASH\_PASSED: Compact Flash firmware was successfully refreshed on module [dec].

**Explanation** The Compact Flash model has data retention issues and need to be replaced.

**Recommended Action** Please schedule a downtime and replace the compact flash on this module.

**Message** SYSTEM HEALTH LC-4-OHMS\_LC\_CF\_UNRESPONSIVE: Recalled Compact Flash on module [dec] is unresponsive.

**Explanation** The Compact flash model has data retention issues and need to be replaced.

**Recommended Action** Please schedule a downtime and replace the compact flash on this module.

**Message** SYSTEM HEALTH LC-4-OHMS\_LC\_EOBC\_ERRORS: EOBC test on module [dec] has stopped due to internal errors.

**Explanation** EOBC test internal errors

**Recommended Action** No action is required.

**Message** SYSTEM HEALTH LC-4-OHMS\_LC\_EOBC\_HALTED: EOBC Test Halted for module [dec]. Module needs EPLD Upgrade

**Explanation** Module does not have the minimum required EPLD version to run EOBC test.

**Recommended Action** Please upgrade the module with the latest EPLDs.'

**Message** SYSTEM HEALTH LC-4-OHMS\_LC\_TCAM\_PARITY\_ACL\_FIB\_TIMEOUT: TCAM test timeout waiting for ACL/FIB to update TCAM on module [dec]

**Explanation** System health TCAM test timeout occurred while waiting for response from ACL/FIB

**Recommended Action** If significant packet drops are encountered in the forwarding engine, please schedule a downtime and reload the module

**Message** 7 SYSTEM HEALTH LC-4-OHMS\_LC\_TCAM\_PARITY\_ACL\_FIB\_UPDATE\_FAILING: Tcam test failed as ACL/FIB failed to update TCAM on module [dec]

**Explanation** ACL/FIB failed to update TCAM after soft parity errors were encountered.

**Recommended Action** If significant packet drops are encountered in the forwarding engine, please schedule a downtime and reload the module

## SYSTEM HEALTH LC-6

**Message** SYSTEM HEALTH LC-6-OHMS\_LC\_STARTED: Online System Health started on LC.

**Explanation** Online System Health started on a line card.

**Recommended Action** No action is required.

## SYSTEMHEALTH Messages

This section contains the SYSTEMHEALTH messages.

### SYSTEMHEALTH-2

**Message** SYSTEMHEALTH-2-OHMS\_BATTERY\_FAILED: Battery [dec] failed for module [dec]. Reason: [chars].

**Explanation** Battery failed.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_BOOTFLASH\_FAILED\_RESET\_DAY: Bootflash hard resets for module [dec] has reached threshold limit in 24 hours.

**Explanation** Bootflash hard resets reached threshold limit in 24 hours.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_BOOTFLASH\_FAILED\_RESET\_LIFE: Bootflash hard resets for module [dec] has reached the maximum threshold limit.

**Explanation** Bootflash hard resets reached maximum threshold limit.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_BOOTFLASH\_FAILED: Bootflash test maximum failures reached for module [dec] Reason: ([chars]).

**Explanation** Bootflash failed.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_CACHE\_DISK\_FAILED: Cache disk [dec] failed for module [dec].

**Explanation** Cache disk failed.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_EMGMT\_FAILED: Management port failed for module [dec].

**Explanation** Ethernet management port failed.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_EOBC\_FAILED: EOBC test failed for module [dec].

**Explanation** EOBC test failed for module.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_FIPS\_FAILURE: FIPS compliance error during random number generation.

**Explanation** FIPS compliance error.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_FREE\_DISK\_FAILED: Free Disk Space on partition [chars] is below [chars] threshold for module [dec].

**Explanation** System Health Free Disk Space below threshold.

**Recommended Action** Force a switch over if a standby supervisor is available, or reboot the switch to recover

**Message** SYSTEMHEALTH-2-OHMS\_FREE\_DISK\_RUNNING: Free Disk Space on partition [chars] have increased and is above [chars] threshold for module [dec].

**Explanation** System Health Free Disk Space above threshold.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_INBAND\_FAILED: Inband test maximum failures reached for module [dec].

**Explanation** Inband failed.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_MOD\_PORT\_LB\_TEST\_FAILED: Module [dec] Port [dec] has failed loop back tests.

**Explanation** Port loop-back test failure.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_MOD\_RELOAD\_REQ: Module [dec] reload being requested due to errors found by [chars] test.

**Explanation** System Health Module Reload Request.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_MOD\_SNAKE\_TEST\_FAILED: Module [dec] has failed snake loopback tests.

**Explanation** Snake test failure.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_NVRAM\_FAILED: Nvram test maximum failures reached for module [dec] for blocks 0x%llx.

**Explanation** Nvram failed.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_SUP\_CF\_CRC\_FAILED: Compact Flash firmware CRC checksum on module [dec] is corrupted.

**Explanation** Compact flash firmware has been corrupted.

**Recommended Action** Replace the compact flash on this module.

**Message** SYSTEMHEALTH-2-OHMS\_SUP\_CF\_CRC\_INIT\_ERRORS: Compact Flash firmware CRC checksum procedure encountered an error during initialization on module [dec], reason: ([chars]).

**Explanation** Compact flash CRC checksum initializations failed.

**Recommended Action** Check the compact flash on the board and any relevant system (mis) configurations.

**Message** SYSTEMHEALTH-2-OHMS\_SUP\_CF\_REFLASH\_FAILED: Compact Flash firmware refresh procedure failed, replace the compact flash on module [dec]. Reason [dec]

**Explanation** Compact flash firmware has been corrupted is corrupted.

**Recommended Action** Replace the compact flash on this module.

**Message** SYSTEMHEALTH-2-OHMS\_SWITCHOVER\_REQ: Supervisor switch over being requested due to errors found [chars] test.

**Explanation** System Health Switch Over Request.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_SWITCH\_RELOAD\_REQ: Switch reload request due to errors found [chars] test.

**Explanation** System Health Switch Reload Request.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-2-OHMS\_TCAM\_PARITY\_FAILED: TCAM test failed for module [dec].

**Explanation** TCAM test failed for module as uncorrectable parity errors were detected.

**Recommended Action** Please schedule a downtime and replace the module.

**Message** SYSTEMHEALTH-2-OHMS\_TCAM\_PARITY\_OFLOW: Too many TCAM Parity errors detected on module [dec]

**Explanation** More parity errors than that can be corrected were detected on the affected module.

**Recommended Action** Please schedule a downtime and reload the module. If these errors continue to happen even after module reload, please replace the module.

## SYSTEMHEALTH-4

**Message** SYSTEMHEALTH-4-OHMS\_BATTERY\_ERRORS: Battery test on module [dec] has been suspended due to internal errors.

**Explanation** Battery test internal errors.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_BOOTFLASH\_TEST\_ERRORS: Bootflash test cannot proceed due to internal errors on module [dec].

**Explanation** Compact flash test internal errors.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_CACHE\_DISK\_ERRORS: Cache disk test on module [dec] dpp [dec] has been suspended due to internal errors.

**Explanation** Cache disk test internal errors.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_CF\_CRC\_PASSED: Compact Flash firmware on module [dec] is healthy at this time.

**Explanation** The Compact Flash model has data retention issues and need to be replaced.

**Recommended Action** Please schedule a downtime and replace the compact flash on this module.

**Message** SYSTEMHEALTH-4-OHMS\_CF\_REFLASH\_PASSED: Compact Flash firmware was successfully refreshed on module [dec].

**Explanation** The Compact Flash model has data retention issues and need to be replaced.

**Recommended Action** Please schedule a downtime and replace the compact flash on this module.



**Message** SYSTEMHEALTH-4-OHMS\_EMGMT\_ERRORS: Management port test cannot proceed due to internal errors on module [dec].

**Explanation** Ethernet management port internal errors.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_EOBC\_ERRORS: EOBC test on module [dec] has been suspended due to internal errors.

**Explanation** EOBC test internal errors.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_EOBC\_HALTED: EOBC Test Halted for module [dec]. Module needs EPLD Upgrade

**Explanation** Module does not have the minimum required EPLD version to run EOBC test.

**Recommended Action** Please upgrade the module with the latest EPLDs.

**Message** SYSTEMHEALTH-4-OHMS\_EXIT: Online System Health exiting due to internal errors. Reason [dec].

**Explanation** Online System Health exiting due to internal errors.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_FAIL\_ACTION\_NOTICE: Failure action not taken, failure action is disabled.

**Explanation** System Health SERDES test failure.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_FREE\_DISK\_ERRORS: Too many errors on module [dec] while running the Free Disk Space test for partition [chars].

**Explanation** System Health Free Disk Space test has too many errors while running.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_FREE\_DISK\_FAILING: Free Disk Space on partition [chars] is starting to go below threshold for module [dec]

**Explanation** System Health Free Disk Space going below threshold.

**Recommended Action** Force a switch over if a standby supervisor is available, or reboot the switch to recover.

**Message** SYSTEMHEALTH-4-OHMS\_INBAND\_FAILING1: Inband test failed [dec] times for module [dec].

**Explanation** Inband Failing.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_INBAND\_TEST\_ERRORS: Too many errors while running the inband test.

**Explanation** Inband test has had too many errors while running.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_LC\_DAEMON\_EXITED: System Health process running on module [dec] exited due to internal errors. Will attempt to restart.

**Explanation** System Health line card daemon exited.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_LC\_DAEMON\_FAILED: System Health process running on module [dec] failed due to fatal errors.

**Explanation** System Health line card daemon failed.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_LC\_DAEMON\_RESTARTED: System Health process running on module [dec] restarted.

**Explanation** System Health line card daemon restarted.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_MOD\_SNAKE\_PATH\_FAILURE: Snake Loopback data path failure on module [dec].

**Explanation** Snake data path only error.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_MOD\_SNAKE\_TEST\_ERRORS: Snake Loopback test cannot proceed due to internal errors for module [dec].

**Explanation** Snake test internal errors.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_NVRAM\_ERRORS: Too many errors on module [dec] while running the Nvram test.

**Explanation** Nvram test has had too many errors while running.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_SERDES\_FAILED: SERDES loopback test on interface fc[dec]/[dec] failed.

**Explanation** System Health SERDES Test Failure.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_SUP\_BOOTFLASH\_ERRORS: Bootflash test has encountered an error on module [dec] Reason:([chars]).

**Explanation** Compact flash test errors on supervisor.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_SUP\_CF\_CRC\_INTERN\_ERRORS: Compact flash firmware CRC checksum procedure cannot proceed due to internal errors on module [dec].

**Explanation** Compact flash firmware CRC checksum procedure ended up in errors.

**Recommended Action** Try restarting the cf-crc-check using system health clear-errors module <x

**Message** SYSTEMHEALTH-4-OHMS\_SUP\_CF\_CRC\_PROCESS\_ERRORS: Compact flash firmware CRC checksum procedure failed on module [dec]. Reason [dec]

**Explanation** Compact flash firmware CRC checksum procedure failed.

**Recommended Action** Try restarting the cf-crc-check using system health clear-errors module <x

**Message** SYSTEMHEALTH-4-OHMS\_SUP\_CF\_CRC\_TEST\_FAILING: Compact flash firmware CRC checksum validation starting to fail on module [dec].

**Explanation** Compact flash firmware CRC checksum might be bad on this module.

**Recommended Action** Schedule a downtime and replace the compact flash on the affected module. Do not attempt any hitless up/downgrades.

**Message** SYSTEMHEALTH-4-OHMS\_SUP\_CF\_RECALLED: Compact Flash on module [dec] was recalled.

**Explanation** The Compact flash model has data retention issues and need to be replaced.

**Recommended Action** Please schedule a downtime and replace the compact flash on this module.

**Message** SYSTEMHEALTH-4-OHMS\_SUP\_CF\_REFLASH\_INTERN\_ERRORS: Compact Flash firmware re-flash procedure cannot proceed due to internal errors on module [dec].

**Explanation** Compact flash firmware re-flash procedure ended up in errors.

**Recommended Action** Try restarting the test using system health clear-errors module <x

**Message** SYSTEMHEALTH-4-OHMS\_SUP\_CF\_REFLASH\_TEST\_FAILING: Compact flash firmware refresh procedure starting to fail on module [dec].

**Explanation** Compact flash might be dead on this module.

**Recommended Action** Schedule a downtime and replace the compact flash on the affected module. Do not attempt any hitless up/downgrades.

**Message** SYSTEMHEALTH-4-OHMS\_SUP\_CF\_UNRESPONSIVE: Recalled Compact Flash on module [dec] is unresponsive.

**Explanation** The Compact flash model has data retention issues and need to be replaced.

**Recommended Action** Please schedule a downtime and replace the compact flash on this module.

**Message** SYSTEMHEALTH-4-OHMS\_SVC\_DAEMON\_FAILED: System Health process running on module [dec] SVC node [dec] exited due to errors.

**Explanation** OHMS SVC daemon exited.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-4-OHMS\_TCAM\_PARITY\_ACL\_FIB\_TIMEOUT: TCAM test timeout waiting for ACL/FIB to update TCAM on module [dec]

**Explanation** System health TCAM test timeout occurred while waiting for response from ACL/FIB

**Recommended Action** If significant packet drops are encountered in the forwarding engine, please schedule a downtime and reload the module

**Message** SYSTEMHEALTH-4-OHMS\_TCAM\_PARITY\_ACL\_FIB\_UPDATE\_FAILING: Tcam test failed as ACL/FIB failed to update TCAM on module [dec]

**Explanation** ACL/FIB failed to update TCAM after soft parity errors were encountered.

**Recommended Action** If significant packet drops are encountered in the forwarding engine, please schedule a downtime and reload the module

**Message** SYSTEMHEALTH-4-OHMS\_TCAM\_PARITY\_ERRORS: TCAM test on module [dec] has been suspended due to internal errors.

**Explanation** TCAM test internal errors.

**Recommended Action** No action is required.

## SYSTEMHEALTH-5

**Message** SYSTEMHEALTH-5-OHMS\_BATTERY\_FAILING: Battery [dec] starting to fail on module [dec]. Reason: [chars].

**Explanation** System Health battery failing.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-5-OHMS\_BOOTFLASH\_FAILING: Bootflash starting to fail on module [dec].

**Explanation** System Health bootflash failing.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-5-OHMS\_CDISK\_FAILING: Cache disk [dec] starting to fail on module [dec].

**Explanation** System Health cache disk failing.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-5-OHMS\_EMGMT\_FAILING: Management port on module [dec] starting to show signs of failures.

**Explanation** System Health emgmt failing.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-5-OHMS\_EOBC\_FAILING: EOBC starting to fail on module [dec].

**Explanation** System Health eobc failing.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-5-OHMS\_INBAND\_FAILING: Inband starting to fail on module [dec].

**Explanation** System Health inband failing.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-5-OHMS\_NVRAM\_FAILING: Nvram starting to fail on module [dec].

**Explanation** System Health Nvram failing.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-5-OHMS\_SUP\_CF\_ERRORS\_CLEARED: Compact flash failing conditions on module [dec] has been cleared.

**Explanation** Compact flash might be dead on this module.

**Recommended Action** Schedule a downtime and replace the compact flash on the affected module. Do not attempt any hitless up/downgrades.

**Message** SYSTEMHEALTH-5-OHMS\_TCAM\_PARITY\_CLEARED: Failing conditions for TCAM on module [dec] have been cleared.

**Explanation** System Health TCAM failures cleared.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-5-OHMS\_TCAM\_PARITY\_FAILING: TCAM starting to fail on module [dec].

**Explanation** System Health Tcam failing.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-5-OHMS\_TEST\_FAILING: [chars] test starting to fail on module [dec].

**Explanation** System Health test failing.

**Recommended Action** No action is required.

## SYSTEMHEALTH-6

**Message** SYSTEMHEALTH-6-OHMS\_ASIC\_FAILURE\_INFO: Module [dec] Asic [chars] instance [dec] probable cause of failure.

**Explanation** HW failure analysis findings.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-6-OHMS\_BATTERY\_CLEARED: Failing conditions for battery [dec] on module [dec] have been cleared.

**Explanation** System Health battery failure cleared.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-6-OHMS\_BOOTFLASH\_CLEARED: Failing conditions for bootflash on module [dec] have been cleared.

**Explanation** System Health bootflash failures cleared.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-6-OHMS\_CDISK\_CLEARED: Failing conditions for cache disk [dec] on module [dec] have been cleared.

**Explanation** System Health cache disk failure cleared.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-6-OHMS\_EMGMT\_CLEARED: Failing conditions for management port on module [dec] have been cleared.

**Explanation** System Health emgmt failure cleared.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-6-OHMS\_EOBC\_CLEARED: Failing conditions for EOBC on module [dec] have been cleared.

**Explanation** System Health eobc failures cleared.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-6-OHMS\_FAILURE\_CLEARED: Failing conditions for test [chars] have been cleared on module [dec].

**Explanation** System Health failure cleared.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-6-OHMS\_INBAND\_CLEARED: Failing conditions for inband on module [dec] have been cleared.

**Explanation** System Health inband failures cleared.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-6-OHMS\_INBAND\_DROP: Inband Dropping frames from module [dec] due to unknown reasons.

**Explanation** System Health Inband non-timeout drop.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-6-OHMS\_INBAND\_TO\_ERR: Inband Dropping frames from module [dec] due to timeout errors.

**Explanation** System Health Inband timeout drop.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-6-OHMS\_INBAND\_TX\_CONGESTION: Inband Unable to transmit due to TX path congestion on module [dec].

**Explanation** System Health Inband TX congestion.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-6-OHMS\_NVRAM\_CLEARED: Failing conditions for Nvram on module [dec] have been cleared.

**Explanation** System Health Nvram failures cleared.

**Recommended Action** No action is required.

**Message** SYSTEMHEALTH-6-OHMS\_STARTED: Online System Health started.

**Explanation** Online System Health started.

**Recommended Action** No action is required.

## TACACS Messages

This section contains the TACACS messages.

### TACACS-2

**Message** TACACS-2-TACACS\_PROGRAM\_EXIT: TACACS+ daemon exiting: [chars]

**Explanation** TACACS+ daemon is exiting.

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



## TACACS-3

**Message** TACACS-3-TACACS\_ERROR\_MESSAGE: [chars]

**Explanation** TACACS+ Message

**Recommended Action** No action is required.

## TACACS-4

**Message** TACACS-4-TACACS\_WARNING: [chars]

**Explanation** TACACS+ warning

**Recommended Action** No action is required.

## TACACS-5

**Message** TACACS-5-TACACS\_MONITOR\_STATUS: [chars] [chars]

**Explanation** Notifying TACACS+ server monitor status change

**Recommended Action** No action is required.

**Message** TACACS-5-TACACS\_NOTIFICATION: [chars]

**Explanation** TACACS+ notification

**Recommended Action** No action is required.

**Message** TACACS-5-TACACS\_SERVER\_STATUS: [chars] server [chars] with auth-port [dec] and acct-port [dec] status has changed from [chars] to [chars]. Server was in previous-state for [chars], and total dead time of the server is [chars]

**Explanation** Notifying Tacacs+ server status change

**Recommended Action** No action is required.

## TACACS-6

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

**Explanation** Accounting Message

**Recommended Action** No action is required.

**Message** TACACS-6-TACACS\_MESSAGE: [chars]

**Explanation** TACACS+ Message

**Recommended Action** No action is required.

## TBIRD\_CMN\_USD Messages

This section contains the TBIRD\_CMN\_USD messages.

### TBIRD\_CMN\_USD-6

**Message** TBIRD\_CMN\_USD-6-TBIRD\_CMN\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## TBIRD\_FWD\_USD Messages

This section contains the TBIRD\_FWD\_USD messages.

### TBIRD\_FWD\_USD-6

**Message** TBIRD\_FWD\_USD-6-TBIRD\_FWD\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## TBIRD\_MAC\_USD Messages

This section contains the TBIRD\_MAC\_USD messages.

### TBIRD\_MAC\_USD-3

**Message** TBIRD\_MAC\_USD-3-FCMAC\_ERR\_MSG: [chars]

**Explanation** Error log message

**Recommended Action** No action is required.

## TBIRD\_MAC\_USD-6

**Message** TBIRD\_MAC\_USD-6-FCMAC\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## TBIRD\_QUE\_USD Messages

This section contains the TBIRD\_QUE\_USD messages.

### TBIRD\_QUE\_USD-6

**Message** TBIRD\_QUE\_USD-6-TBIRD\_QUE\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## TBIRD\_XBAR\_USD Messages

This section contains the TBIRD\_XBAR\_USD messages.

### TBIRD\_XBAR\_USD-6

**Message** TBIRD\_XBAR\_USD-6-TBIRD\_XBAR\_DEBUG\_MSG: [chars]

**Explanation** Debug log message

**Recommended Action** No action is required.

## TCAP Messages

This section contains the TCAP messages.

### TCAP-2

**Message** TCAP-2-MEM\_FULL: Memory allocation failed.

**Explanation** TCAP process has failed to allocate memory.

**Recommended Action** Please perform a 'show tcap event-history' to collect more information.

**Message** TCAP-2-PROC\_DN: Process is shutting down: [chars]

**Explanation** TCAP process is exiting.

**Recommended Action** Please perform a 'show tcap event-history' to collect more information.

**Message** TCAP-2-PROC\_INITFAIL: Process initialization failed due to [chars].

**Explanation** TCAP process has failed initialization.

**Recommended Action** Please perform a 'show tcap event-history' to collect more information.'

## TIM Messages

This section contains the TIM messages.

### TIM-2

**Message** TIM-2-IF\_CRITICAL\_FAILURE: (Debug syslog) Critical failure: [chars], [chars]

**Explanation** There was a critical failure in the component.

**Recommended Action** Please follow instructions on the syslog.

**Message** TIM-2-IF\_DOWN\_ERROR\_DISABLED: Interface [chars] is down (Error disabled. Reason: [chars])

**Explanation** The interface encountered an error while configuring it

**Recommended Action** Collect more information about failed interface using command 'show port internal all interface [char]'. In most cases, you can recover using a 'shutdown' followed a 'noshutdown' on the interface or removing and re-inserting the fibre optic-cable.

**Message** TIM-2-IF\_DOWN\_LINK\_FAILURE\_CRIT: Interface [chars] is down (Link failure)

**Explanation** The physical link has gone down

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

**Message** TIM-2-SEQ\_TIMEOUT: Component [chars] timed out on response to opcode [chars] ([chars])

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

**Recommended Action** None

**Message** TIM-2-SYSLOG\_TIM\_CRITICAL: Critical failure: [chars]

**Explanation** There was a critical failure in the component.

**Recommended Action** Please collect system tech-support

## TIM Messages

### TIM-3

**Message** TIM-3-IF\_DOWN\_CHANNEL\_ERR\_DISABLED: Interface [chars] is down (Channel error disabled)

**Explanation** This interface belongs to a Port Channel and the Port Channel is error disabled

**Recommended Action** Perform 'shut' and 'no shutdown' on the Port Channel interface that it belongs to'

**Message** TIM-3-IF\_ERROR\_VLANS\_REMOVED: VLANs [chars] on Interface [chars] are removed from suspended state.

**Explanation** The VLANs on an interface are being removed from the suspended state

**Recommended Action** No action is required.

**Message** TIM-3-IF\_ERROR\_VLANS\_SUSPENDED: VLANs [chars] on Interface [chars] are being suspended. (Reason: [chars])

**Explanation** The VLANs on an interface are being suspended due to some protocol action

**Recommended Action** No action is required.

**Message** TIM-3-IF\_SFP\_ALARM: Interface [chars], [chars]

**Explanation** There was an alarm on the transceiver module

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

**Message** TIM-3-IF\_SFP\_ERROR: Interface [chars], [chars]

**Explanation** There was an error on the transceiver module

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

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

**Explanation** The transceiver for the interface specified in the Message is not a Cisco supported module

**Recommended Action** Replace the module with a compatible transceiver. If the transceiver was purchased from Cisco, please contact Cisco TAC to get the transceiver replaced

**Message** TIM-3-IF\_XCVR\_ALARM: Interface [chars], [chars]

**Explanation** There was an alarm on the transceiver module

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

**Message** TIM-3-IF\_XCVR\_ERROR: Interface [chars], [chars]

**Explanation** There was an error on the transceiver module

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

## TIM Messages

### TIM-4

**Message** TIM-4-IF\_NON\_QUALIFIED\_TRANSCEIVER: Non-qualified transceiver on interface [chars] was detected

**Explanation** The transceiver for the interface specified has not been qualified on this platform for this software release

**Recommended Action** Replace the module with a supported transceiver. Contact Cisco TAC to get platform transceiver qualification details

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

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

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

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

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

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

## TIM Messages

### TIM-5

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

**Explanation** Interface is admin up

**Recommended Action** No action is required.

**Message** TIM-5-IF\_BANDWIDTH\_CHANGE: Interface [chars], bandwidth changed to [chars] Kbit

**Explanation** Bandwidth of the interface (port channel) has changed and this change is updated

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_ADMIN\_DOWN: Interface [chars] is down (Administratively down)

**Explanation** Interface has been configured to be administratively down

**Recommended Action** Perform noshutdown"

**Message** TIM-5-IF\_DOWN\_CFG\_CHANGE: Interface [chars] is down(Config change)

**Explanation** FCIP interface temporarily down due to reconfiguration

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_CHANNEL\_ADMIN\_DOWN: Interface [chars] is down (Channel admin down)

**Explanation** This interface belongs to a PortChannel and the PortChannel is configured to be administratively down

**Recommended Action** Perform 'shut' and 'noshutdown' on the PortChannel interface that it belongs to.

**Message** TIM-5-IF\_DOWN\_CHANNEL\_MEMBERSHIP\_UPDATE\_IN\_PROGRESS: Interface [chars] is down (Channel membership update in progress)

**Explanation** The interface belongs to a PortChannel and a configuration is being attempted on the interface while there is a configuration in progress on the PortChannel

**Recommended Action** Retry the configuration again

**Message** TIM-5-IF\_DOWN\_DOMAIN\_ADDR\_ASSIGN\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to domain id assignment failure)

**Explanation** Isolated due to a failure while assigning a domain

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_DOMAIN\_INVALID\_RCF\_RECEIVED: Interface [chars] is down (Isolation due to invalid fabric reconfiguration)

**Explanation** Invalid RCF received.

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_DOMAIN\_MANAGER\_DISABLED: Interface [chars] is down (Isolation due to domain manager disabled)

**Explanation** Isolated due to domain manager being disabled

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_DOMAIN\_MAX\_RETRANSMISSION\_FAILURE: Interface [chars] is down (Isolation due to domain manager other side not responding)

**Explanation** Remote end domain manager not responding.

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_DOMAIN\_OTHER\_SIDE\_EPORT\_ISOLATED: Interface [chars] is down (Isolation due to domain other side eport isolated)

**Explanation** Isolating this interface due to the remote end being isolated.

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_DOMAIN\_OVERLAP\_ISOLATION: Interface [chars] is down (Isolation due to domain overlap)

**Explanation** Isolated due to domain overlap.

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_ELP\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to ELP failure)

**Explanation** ELP failed on the interface.

**Recommended Action** Check the output of 'show port internal info' in the ELP failure reason 'field'



**Message** TIM-5-IF\_DOWN\_EPP\_FAILURE: Interface [chars] is down (Error Disabled - EPP Failure)

**Explanation** Trunk protocol failed

**Recommended Action** 'show port internal event-history msgs' will indicate the trunk protocol exchanges to determine why it failed.

**Message** TIM-5-IF\_DOWN\_ESC\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to ESC failure)

**Explanation** ESC failed on the interface

**Recommended Action** Check the output of show port internal event-history msgs' will indicate the trunk protocol exchanges to determine why it failed.

**Message** TIM-5-IF\_DOWN\_ETH\_IF\_DOWN: Interface [chars] is down(Tunnel port src interface down)

**Explanation** Ethernet link to which the FCIP interface is bound is down.

**Recommended Action** Ensure that the ethernet cable is connected, the interface is administratively enabled.

**Message** TIM-5-IF\_DOWN\_ETH\_LINK\_DOWN: Interface [chars] is down(Tunnel port src interface link down)

**Explanation** Ethernet link to which the FCIP interface is bound is down

**Recommended Action** Ensure that the ethernet cable is connected and the remote end is also active

**Message** TIM-5-IF\_DOWN\_FCOT\_NOT\_PRESENT: Interface [chars] is down (FCOT not present)

**Explanation** The FCOT has been removed

**Recommended Action** Insert an FCOT

**Message** TIM-5-IF\_DOWN\_FCOT\_VENDOR\_NOT\_SUPPORTED: Interface [chars] is down (Error disabled - Fcot vendor not supported)

**Explanation** Fcot inserted is not a supported one

**Recommended Action** Please contact customer support for a list of authorized transceiver vendors

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

**Explanation** The modules hardware has failed

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

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

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

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

**Message** TIM-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_MODE: Interface [chars] is down (Error disabled - Incompatible admin port mode)

**Explanation** The configured mode is not supported on this interface

**Recommended Action** Perform a 'show port internal info' to determine the list of modes supported on this interface

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

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

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

**Message** TIM-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_RXBUFSIZE: Interface [chars] is down (Error disabled - Incompatible admin port rxbufsize)

**Explanation** The configured receive buffer size is not supported

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

**Message** TIM-5-IF\_DOWN\_INCOMPATIBLE\_ADMIN\_SPEED: Interface [chars] is down (Error disabled - Incompatible admin port speed)

**Explanation** The configured speed is not supported on this interface

**Recommended Action** Perform a 'show port internal info' to determine the range of speed supported on this interface

**Message** TIM-5-IF\_DOWN\_INITIALIZING: Interface [chars] is down (Initializing)

**Explanation** The interface is in the process of coming up

**Recommended Action** If the interface is stuck in this state for a while, check the output of 'show port internal event-history' to determine what it is waiting for.

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

**Explanation** Interface removed

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_LINK\_FAILURE: Interface [chars] is down (Link failure)

**Explanation** The physical link has gone down

**Recommended Action** Ensure that the cable is connected and the remote end is not shut down

**Message** TIM-5-IF\_DOWN\_LOOPBACK\_DIAG\_FAILURE: Interface [chars] is down (Diag failure)

**Explanation** Diag failed on the interface

**Recommended Action** Collect more information about failed interface using command 'attach module' to connect to module

**Message** TIM-5-IF\_DOWN\_LOOPBACK\_ISOLATION: Interface [chars] is down (Isolation due to port loopback to same switch)

**Explanation** The interface is looped back to another interface on the same switch

**Recommended Action** Check the connectivity of this interface and ensure that it is connected to another switch

**Message** TIM-5-IF\_DOWN\_MODULE\_REMOVED: Interface [chars] is down (module removed)

**Explanation** Interface is down because the module was removed

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_NONE: Interface [chars] is down ([chars])

**Explanation** Interface is down with a possible reason.

**Recommended Action** Collect more information about port using command 'show port internal info/event-history' to determine why it went down

**Message** TIM-5-IF\_DOWN\_NON\_PARTICIPATING: Interface [chars] is down (Non participating)

**Explanation** The loop port has been put into non participating mode

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_OFFLINE: Interface [chars] is down (Offline)

**Explanation** The interface has been placed into the offline state

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_PARENT\_ADMIN\_DOWN: Interface [chars] is down (Parent interface down)

**Explanation** Parent interface is down

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_PEER\_CLOSE: Interface [chars] is down(TCP conn. closed by peer)

**Explanation** The FCIP peer connected to this interface closed the TCP connection

**Recommended Action** This command will provide the peer IP address of this FCIP interface: show interface. Check to see why the peer closed the TCP connection

**Message** TIM-5-IF\_DOWN\_PEER\_RESET: Interface [chars] is down(TCP conn. reset by peer)

**Explanation** TCP connection to the FCIP peer got reset

**Recommended Action** The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Check to see why the peer reset the TCP connection

**Message** TIM-5-IF\_DOWN\_PORT\_CHANNEL\_MEMBERS\_DOWN: Interface [chars] is down (No operational members)

**Explanation** This is a PortChannel interface and all its members are operationally down

**Recommended Action** Enable at least one of the PortChannel members

**Message** TIM-5-IF\_DOWN\_PORT\_VSAN\_MISMATCH\_ISOLATION: Interface [chars] is down (Isolation due to port vsan mismatch)

**Explanation** Isolated due to a mismatch in the configured port VSAN of the local and remote ends

**Recommended Action** Configure the port VSAN of the local and remote interfaces to be the same and perform a 'shutdown' and a 'nosshutdown'

**Message** TIM-5-IF\_DOWN\_RCF\_IN\_PROGRESS: Interface [chars] is down (RCF in progress)

**Explanation** There is an RCF in progress

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_SOFTWARE\_FAILURE: Interface [chars] is down (Port software failure)

**Explanation** The software servicing the data path on the port has failed

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_SRC\_MOD\_NOT\_ONLINE: Interface [chars] is down (Tunnel source module not online)

**Explanation** Module that has the tunnel source port of this FCIP interface is not fully online

**Recommended Action** The module that has the tunnel src port is coming online. Please use “show mod” to find module status

**Message** TIM-5-IF\_DOWN\_SRC\_PORT\_NOT\_BOUND: Interface [chars] is down (Tunnel port src interface unbound)

**Explanation** Tunnel port source interface unbound

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_SRC\_PORT\_REMOVED: Interface [chars] is down (Tunnel src port removed)

**Explanation** Tunnel source port of this FCIP interface has been removed

**Recommended Action** The src interface with ip address that matches the ip address of the bound entity is removed. This happens normally due to the module on which the src interface exists is removed

**Message** TIM-5-IF\_DOWN\_SUSPENDED\_BY\_MODE: Interface [chars] is down (Suspended due to incompatible mode)

**Explanation** This interface belongs to a PortChannel and operational mode of the interface is different from that of the PortChannel

**Recommended Action** Change the mode and the trunking mode of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

**Message** TIM-5-IF\_DOWN\_SUSPENDED\_BY\_SPEED: Interface [chars] is down (Suspended due to incompatible speed)

**Explanation** This interface belongs to a PortChannel and operational speed of the interface is different from that of the PortChannel

**Recommended Action** Change the speed of the PortChannel from auto and check to ensure that the remote end of the interface also belongs to the same Port Channel

**Message** TIM-5-IF\_DOWN\_SUSPENDED\_BY\_WWN: Interface [chars] is down (Suspended due to incompatible remote switch WWN)

**Explanation** This interface belongs to a Port Channel and remote switch WWN of the interface is different from that of the PortChannel

**Recommended Action** Ensure that this interface is connected to the same remote switch as all the other interfaces in the Port Channel

**Message** TIM-5-IF\_DOWN\_SUSPENDED: Interface [chars] is down (Suspended)

**Explanation** This interface belongs to a Port Channel and has been suspended due to an error while bringing it up

**Recommended Action** Perform a 'shutdown' and a 'no shutdown'. If this happens again obtain output of 'show port internal info/event-history' on the interface

**Message** TIM-5-IF\_DOWN\_TCP\_KEEP\_ALIVE\_EXPIRED: Interface [chars] is down(TCP conn. closed - Keep alive expired)

**Explanation** TCP session to the FCIP peer got closed due to loss of TCP keep alive

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** TIM-5-IF\_DOWN\_TCP\_MAX\_RETRANSMIT: Interface [chars] is down(TCP conn. closed - retransmit failure)

**Explanation** Interface is down due to maximum retransmission failure

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr trace route ip addr

**Message** TIM-5-IF\_DOWN\_TCP\_PERSIST\_TIMER\_EXPIRED: Interface [chars] is down(TCP conn. closed - Persist timer expired)

**Explanation** TCP session to the FCIP peer closed because TCP persist timer expired

**Recommended Action** This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command: trace route ip addr

**Message** TIM-5-IF\_DOWN\_UPGRADE\_IN\_PROGRESS: Interface [chars] is down (Linecard upgrade in progress)

**Explanation** Upgrade of the linecard software is in progress

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_VRF\_UNUSABLE: Interface [chars] is down (Vrf down)

**Explanation** The VRF for which this interface is a member is removed

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_VSAN\_MISMATCH\_ISOLATION: Interface [chars] is down (Isolation due to vsan mismatch)

**Explanation** This is a trunking interface and the VSANs configured do not match with the VSANs configured on the remote end

**Recommended Action** Check the VSANs configured on the local end with the remote end

**Message** TIM-5-IF\_DOWN\_ZONE\_MERGE\_FAILURE\_ISOLATION: Interface [chars] is down (Isolation due to zone merge failure)

**Explanation** Isolated due to a failure during zone merge

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DOWN\_ZONE\_REMOTE\_NO\_RESP\_ISOLATION: Interface [chars] is down (Isolation due to remote zone server not responding)

**Explanation** Isolated due to remote zone server not responding

**Recommended Action** No action is required.

**Message** TIM-5-IF\_DUPLEX: Interface [chars], operational duplex mode changed to [chars]

**Explanation** Operational duplex mode has changed when link came up

**Recommended Action** No action is required.

**Message** TIM-5-IF\_ERRDIS\_RECOVERY: Interface [chars] is being recovered from error disabled state (Last Reason:[chars])

**Explanation** Interface is being recovered from error disabled state

**Recommended Action** No action is required.

**Message** TIM-5-IF\_HARDWARE: Interface [chars], hardware type changed to [chars]

**Explanation** There was a change in the hardware characteristic of an interface, such as a transceiver module plugged in or removed

**Recommended Action** No action is required.

**Message** TIM-5-IF\_L2MP\_MODE: Interface [chars], l2mp-mode changed to [chars]

**Explanation** The l2mp-mode on the port has changed

**Recommended Action** No action is required.

**Message** TIM-5-IF\_RX\_FLOW\_CONTROL: Interface [chars], operational Receive Flow Control state changed to [chars]

**Explanation** Operational receive flow control has changed when link came up

**Recommended Action** No action is required.

**Message** TIM-5-IF\_TRUNK\_DOWN: Interface [chars], vlan [chars] down

**Explanation** Interface [chars] is trunking, VLANs [chars] are down

**Recommended Action** The following commands will help determine why this VSAN is down on this interface: show interface, show port internal info interface VSAN, show port internal event-history interface vsan

**Message** TIM-5-IF\_TRUNK\_UP: Interface [chars], vlan [chars] up

**Explanation** Interface [chars] is trunking, VLANs [chars] are up

**Recommended Action** No action is required.



**Message** TIM-5-IF\_TX\_FLOW\_CONTROL: Interface [chars], operational Transmit Flow Control state changed to [chars]

**Explanation** Operational transmit flow control has changed when link came up

**Recommended Action** No action is required.

**Message** TIM-5-IF\_UP: Interface [chars] is up [chars]

**Explanation** Interface is up in mode specified, if applicable

**Recommended Action** No action is required.

**Message** TIM-5-SPEED: Interface [chars], operational speed changed to [chars]

**Explanation** Operational speed has changed when link came up

**Recommended Action** No action is required.

**Message** TIM-5-STORM\_CONTROL\_ABOVE\_THRESHOLD: Traffic in port [chars] exceeds the configured threshold [chars]

**Explanation** Traffic on specified port is beyond the configured storm-control threshold, and the excess traffic is being dropped

**Recommended Action** Identify source of traffic storm

**Message** TIM-5-STORM\_CONTROL\_BELOW\_THRESHOLD: Traffic in port [chars] has fallen below the configured threshold [chars]

**Explanation** Traffic on specified port has returned to within configured storm-control threshold

**Recommended Action** No action is required.

## TLPORT Messages

This section contains the TLPORT messages.

### TLPORT-2

**Message** TLPORT-2-INITFAIL: TL Port Manager Initialization failed: [chars]

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

**Recommended Action** No action is required.

## TLPORT-3

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

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

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

## TLPORT-4

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

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

**Recommended Action** No action is required.

## TLPORT-6

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

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

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

## TPC Messages

This section contains the TPC messages.

### TPC-SLOT#-5

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

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

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

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

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

**Recommended Action** No action is required.

## TTYD Messages

This section contains the TTYD messages.

### TTYD-2

**Message** TTYD-2-TTYD\_ERROR: TTYD Error [chars]

**Explanation** Critical TTY daemon error.

**Recommended Action** No action is required.

**Message** TTYD-2-TTYD\_MTS: TTYD Message queue [dec] [chars]

**Explanation** TTY daemon message error.

**Recommended Action** No action is required.

**Message** TTYD-2-TTYD\_SDWRAP: TTYD Debug Facility error [dec] [chars]

**Explanation** TTY daemon Debug Facility failed.

**Recommended Action** No action is required.

## TTYD-3

**Message** TTYD-3-TTYD\_MISC\_ERROR: Error [chars] with error [chars] ([hex])

**Explanation** TTY daemon errors.

**Recommended Action** No action is required.

## TTYD-6

**Message** TTYD-6-TTYD\_MISC: TTYD [chars]

**Explanation** The tty daemon miscellaneous message.

**Recommended Action** No action is required.

**Message** TTYD-6-TTYD\_PSS: TTYD Store error:[hex] [chars]

**Explanation** Failed to store configuration for TTY service.

**Recommended Action** No action is required.

## TUNNEL Messages

This section contains the TUNNEL messages.

### TUNNEL-2

**Message** TUNNEL-2-FEATURE\_ENABLE\_FAILED: failed to enable feature tunnel, reason [chars] ([hex])

**Explanation** Failed to enable feature tunnel, reason [char] ([int])

**Recommended Action** Check the failure reason and take appropriate action to fix the failure. if unable to fix, please capture “show tech-support tunnel”

**Message** TUNNEL-2-TM\_F2\_ONLY\_VDC: Tunnel feature is not supported in F2 only VDC

**Explanation** Tunnel feature is not supported in F2 only VDC

**Recommended Action** Disable the Tunnel feature by the CLI “no feature tunnel”

## TUNNEL-3

**Message** TUNNEL-3-HW\_PROGRAMMING\_FAILED: for [chars], reason [chars]

**Explanation** Hardware programming failed for tunnel [num] interface

**Recommended Action** Try 'shutdown' and a 'noshutdown' under tunnel interface submode after sometime. If still tunnel interface doesn't come up capture 'show tech-support tunnel' to identify the issue

## TUNNEL-4

**Message** TUNNEL-4-TM\_DF\_PROGRAMMING\_FAILED: [chars] DF(dont fragment) programming failed! status [hex]

**Explanation** [chars] DF programming failed! status [int]

**Recommended Action** Capture "show tech-support tunnel" to identify why DF flag programming failed

**Message** TUNNEL-4-TM\_DF\_PROGRAMMING: Programming [chars] DF (dont fragment) df.sel [dec] df.val [dec]

**Explanation** Programming [chars] DF df.sel [int] df.val [int]

**Recommended Action** No action is required.

**Message** TUNNEL-4-TM\_MTU\_PROGRAMMING\_FAILED: [chars] mtu [dec] programming failed! status [hex]

**Explanation** [chars] MTU [int] programming failed! status [int]

**Recommended Action** Capture show "tech-support tunnel" to identify why MTU programming as failed. Tunnel interface will used default MTU value.

**Message** TUNNEL-4-TM\_MTU\_PROGRAMMING: Programming [chars] mtu [dec]...

**Explanation** Programming [chars] mtu [int]

**Recommended Action** No action is required.

## TUNNEL-5

**Message** TUNNEL-5-IF\_CLEAR\_COUNTER: Interface [chars] counters is cleared

**Explanation** Interface [char] counters is cleared

**Recommended Action** No action is required.

**Message** TUNNEL-5-IF\_CREATED: Interface [chars] is created

**Explanation** Interface [char] is created

**Recommended Action** No action is required.

**Message** TUNNEL-5-IF\_CREATE\_FAILED: Interface [chars] creation failed due to [[hex]] [chars]

**Explanation** Interface [char] is creation failed due to [int] [char]

**Recommended Action** No action is required.

**Message** TUNNEL-5-IF\_DELETED: Interface [chars] is deleted

**Explanation** Interface [char] is deleted

**Recommended Action** No action is required.

**Message** TUNNEL-5-IF\_STATE\_UPDATE: Interface [chars] is [chars] reason [chars]

**Explanation** Interface [char] is [char] reason [char]

**Recommended Action** No action is required.

**Message** TUNNEL-5-PPF\_SESSION\_FAILED: session id %llx type [chars] for [chars] failed error [hex] [chars]

**Explanation** Session id [int] type [char] for [char] failed error [int] [char]

**Recommended Action** No action is required.

**Message** TUNNEL-5-TM\_DISABLED: Tunnel Disabled

**Explanation** Tunnel Service Disabled

**Recommended Action** No action is required.

**Message** TUNNEL-5-TM\_ENABLED: Tunnel Enabled

**Explanation** Tunnel Service Enabled

**Recommended Action** No action is required.

## TUNNEL-7

**Message** TUNNEL-7-TM\_INFO: [chars]

**Explanation** Tunnel Service info

**Recommended Action** No action is required.

## TUSCANY\_APP Messages

This section contains the TUSCANY\_APP messages.

### TUSCANY\_APP-SLOT#-2

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

**Explanation** Tuscany driver application exited

**Recommended Action** No action is required.