

## FIPC-4-MBLKBUFDESCERR

SEVERITY:	Error
FORMAT:	"Failed to alloc FIPC buffer descriptor memory (num buf desc %d)"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"Failed to allocate FIPC buffer"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## FIPC-5-DBUFSIZEINVALID

SEVERITY:	Warning
FORMAT:	"Requested data buffer size %d exceeds system max buffer size"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Requested data buffer size exceeds the system max buf size"
RECOMMENDED ACTION:	No Recommended Action
REQUIRED INFO	No Required Info

## FIPC-4-MBLKALLOCFTLERR

SEVERITY:	Error
FORMAT:	"Fatal error %x allocating floating mblk, mblk control corrupted "
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Fatal error while allocating floating mblk, mblk, control corrupted"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## FIPC-4-MBLKINVALID

SEVERITY:	Error
FORMAT:	"Invalid message descriptor"
FLAG:	Stack Trace
THROTTLING	One Tick

EXPLANATION: "Invalid message descriptor"  
RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.  
REQUIRED INFO Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## FIPC-4-MBLKASSIGNFAIL

SEVERITY: Error  
FORMAT: "Message assignment failed %s %x"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "Message assignment failed"  
RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.  
REQUIRED INFO Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## FIPC-5-MBLKUNAVAILABLE

SEVERITY: Warning  
FORMAT: "No mblk available for a buffer - mblk pool corrupted"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "No mblk available for a buffer - mblk pool corrupted"  
RECOMMENDED ACTION: No Recommended Action  
REQUIRED INFO No Required Info

## FIPC-5-MBLKENQUEUED

SEVERITY: Warning  
FORMAT: "Epid %x; Msg %x already enqueued, next %x, datap %x, owner %x"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "Memory block is already enqueued and in use"  
RECOMMENDED ACTION: No Recommended Action  
REQUIRED INFO No Required Info

## FIPC-4-MBLKNOHDRSPACE

SEVERITY:	Error
FORMAT:	"No space for header, errno %x, Wanted %d, Got %d"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"No space for header"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, Is C:/FW before calling the Cisco Technical support representative.

## FIPC-4-MBLKBUFFREEFAIL

SEVERITY:	Error
FORMAT:	"Failed to free data buffer %x, errno %x"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Failed to free data buffer"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, Is C:/FW before calling the Cisco Technical support representative.

## FIPC-4-MBLKFREEFAIL

SEVERITY:	Error
FORMAT:	"Failed to free mblk %x, errno %x"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Failed to free mblk"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, Is C:/FW before calling the Cisco Technical support representative.

## FIPC-4-BUFSZERR

SEVERITY:	Error
FORMAT:	"%s Failed to get padding size for chunk data size %d"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"The padding size could not be determined for the given chunk data size. This is an internal error."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## FIPC-5-LINKINERROR

SEVERITY:	Warning
FORMAT:	"FIPC Link rcv error %x, link %x; Expected %x, Got %x"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"FIPC link receive error"
RECOMMENDED ACTION:	No Recommended Action
REQUIRED INFO	No Required Info

## FIPC-5-LINKOUTERROR

SEVERITY:	Warning
FORMAT:	"FIPC Link snd error %x; Expected %x, Got %x"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"FIPC link send error"
RECOMMENDED ACTION:	No Recommended Action
REQUIRED INFO	No Required Info

## FIPC-4-LINKMEMALLOCERR

SEVERITY:	Error
FORMAT:	"Failed to allocate memory for link cfg table (num links %d)"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"Failed to allocate memory for link config table"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log, call

REQUIRED INFO

your Cisco technical support representative and provide the representative with the gathered information.

Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## FIPC-5-LINKSARREGERROR

SEVERITY: Warning  
FORMAT: "%d Error %x registering link %d (slot %d) lcn=0x%x"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "Error encountered in registering link"  
RECOMMENDED ACTION: No Recommended Action  
REQUIRED INFO No Required Info

## FIPC-5-LINKPLFMSLOT2RX

SEVERITY: Warning  
FORMAT: "Platform cannot translate RxLcn for slot %d"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "Platform cannot translate the receive LCN"  
RECOMMENDED ACTION: No Recommended Action  
REQUIRED INFO No Required Info

## FIPC-5-SMSLOTERROR

SEVERITY: Warning  
FORMAT: "Error %x and SM slot no passed is %d"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "Error encountered for the specified SM slot"  
RECOMMENDED ACTION: No Recommended Action  
REQUIRED INFO No Required Info

## FIPC-5-CTLDUPMSGFAIL

SEVERITY: Warning  
FORMAT: "Error %x duplicating message"  
FLAG: No Flag  
THROTTLING One Tick

EXPLANATION: "Error encountered in duplicating the message"  
RECOMMENDED ACTION: No Recommended Action  
REQUIRED INFO No Required Info

## FIPC-5-CTLALLOCMMSGFAIL

SEVERITY: Warning  
FORMAT: "Error %x allocating message"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "Error encountered in allocating the message"  
RECOMMENDED ACTION: No Recommended Action  
REQUIRED INFO No Required Info

## FIPC-4-CTLRVVEPIDERR

SEVERITY: Error  
FORMAT: "Error getting caller task's Receive Sync Epid"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "Error encountered in getting the caller task's receive Sync Endpoint Id"  
RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.  
REQUIRED INFO Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## FIPC-4-CTLCOMEPERR

SEVERITY: Error  
FORMAT: "Error %x instantiating FIPC Control Port"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "Error instantiating FIPC control port"  
RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.  
REQUIRED INFO Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## FIPC-4-CTLSYNCTMRERR

SEVERITY:	Error
FORMAT:	"%s Error %x initializing FIPC Sync Timer"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Error initializing FIPC sync timer"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, Is C:/FW before calling the Cisco Technical support representative.

## FIPC-4-CTLRETXQERR

SEVERITY:	Error
FORMAT:	"Error %x initializing FIPC Retransmission Queue"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Error Initializing FIPC retransmission queue"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, Is C:/FW before calling the Cisco Technical support representative.

## FIPC-4-CTLHDLRATTCHERR

SEVERITY:	Error
FORMAT:	"Error %x attaching EP Wait handler to IPC Ctl queue"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Error attaching EP wait handler to IPC ctl queue"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, Is C:/FW before calling the Cisco Technical support representative.

## FIPC-4-CTLEPWAITERR

SEVERITY:	Error
FORMAT:	"Error %x exiting from EP Wait handler"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Error exiting from EP wait handler"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## FIPC-5-CTLINVMMSGTYPE

SEVERITY:	Warning
FORMAT:	"Invalid FIPC Ctl msg type %x, arg %x"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Invalid FIPC control message type"
RECOMMENDED ACTION:	No Recommended Action
REQUIRED INFO	No Required Info

## FIPC-5-CTLINVMMSGVER

SEVERITY:	Warning
FORMAT:	"Invalid FIPC Control msg version %x, arg %x"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Invalid FIPC control message version"
RECOMMENDED ACTION:	No Recommended Action
REQUIRED INFO	No Required Info

## FIPC-5-CTLRCVMSGERR

SEVERITY:	Warning
FORMAT:	"Error %x receiving FIPC Ctl message"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Error encountered in receiving FIPC control message"
RECOMMENDED ACTION:	No Recommended Action
REQUIRED INFO	No Required Info

## FIPC-5-CTLTSKCREATEERR

SEVERITY: Warning  
FORMAT: "Error %x creating FIPC Control Task"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "Error encountered in creating FIPC control task"  
RECOMMENDED ACTION: No Recommended Action  
REQUIRED INFO No Required Info

## FIPC-5-RSLVACKERR

SEVERITY: Warning  
FORMAT: "Received msg %x instead of RESOLVE ACK, arg %x"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "Received message instead of Resolve Ack"  
RECOMMENDED ACTION: No Recommended Action  
REQUIRED INFO No Required Info

## FIPC-5-RSLVNAMELENERR

SEVERITY: Warning  
FORMAT: "Requested FIPC Global Name \"%s\" too long (max name len %d )"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "Name to be resolved too long"  
RECOMMENDED ACTION: No Recommended Action  
REQUIRED INFO No Required Info

## FIPC-5-CTLOUTOFMBLKS

SEVERITY: Warning  
FORMAT: "FIPC Control could not allocate mblk"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "FIPC control could not allocate memory block"  
RECOMMENDED ACTION: No Recommended Action  
REQUIRED INFO No Required Info

## FIPC-5-CTLBINDSTUNKN1

SEVERITY: Warning  
FORMAT: "Epid %x Bind st. unknown, error %x sending duped BIND Rqst"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "Unknown error encountered while sending duped BIND request"  
RECOMMENDED ACTION: No Recommended Action  
REQUIRED INFO No Required Info

## FIPC-5-CTLBINDSTUNKN2

SEVERITY: Warning  
FORMAT: "Epid %x Bind state unknown, error %x receiving BIND Ack"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "Unknown Bind state while receiving BIND Ack"  
RECOMMENDED ACTION: No Recommended Action  
REQUIRED INFO No Required Info

## FIPC-5-CTLBINDSTUNKN3

SEVERITY: Warning  
FORMAT: "Epid %x Bind state unknown, error %x putting BIND Rqst on RetxQ"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "Unknown Bind state while putting BIND request"  
RECOMMENDED ACTION: No Recommended Action  
REQUIRED INFO No Required Info

## FIPC-5-CTLBINDSTUNKN4

SEVERITY: Warning  
FORMAT: "Epid %x Bind st unknown, unknown sts %x in BIND Ack, errno %x"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "Unknown Bind state in BIND Ack"  
RECOMMENDED ACTION: No Recommended Action  
REQUIRED INFO No Required Info

## FIPC-5-CTLBINDSTUNKN5

SEVERITY:	Warning
FORMAT:	"Epid %x Bind state unknown, error %x retransmitting BIND Rqst"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Unknown Bind state while retransmitting BIND request"
RECOMMENDED ACTION:	No Recommended Action
REQUIRED INFO	No Required Info

## FIPC-4-CTLBINDSTFAIL1

SEVERITY:	Error
FORMAT:	"Epid %x Bind state failed, error %x sending to Name Svr"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Bind request failed because of error while sending to Name server"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## FIPC-4-CTLBINDSTFAIL2

SEVERITY:	Error
FORMAT:	"Epid %x Bind state failed, error %x - out of mblks"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Bind state failed due to an outage of memory blocks"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## FIPC-4-CTLBINDSTFAIL3

SEVERITY:	Error
FORMAT:	"Epid %x error %x binding global name"
FLAG:	No Flag
THROTTLING	One Tick

EXPLANATION: "Bind request failed because it was invalid"  
RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.  
REQUIRED INFO Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## FIPC-4-CTLUNBINDSTFAIL

SEVERITY: Error  
FORMAT: "Epid %x UnBind state failed, error %x sending to Name Svr"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "Error in unbind because of send request failed to Name server"  
RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.  
REQUIRED INFO Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## FIPC-5-CTLUNBINDSTUNKN

SEVERITY: Warning  
FORMAT: "Epid %x UnBind st. unknown, error %x sending duped UNBIND Rqst"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "Unknown Unbind state while sending duped UNBIND request"  
RECOMMENDED ACTION: No Recommended Action  
REQUIRED INFO No Required Info

## FIPC-4-CTLMAXBUFRPLYER

SEVERITY: Error  
FORMAT: "Error in Replying to Query for MaxBufSize, error %d"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "Reply to Remote Card Query for Buffer Size Failed"  
RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.  
REQUIRED INFO Enter the CLI commands dspcds, dspcd (for PXM and for the slot the

error is found), dspver, dsperr, Is C:/FW before calling the Cisco Technical support representative.

## FIPC-4-CTLINVIPCVER

SEVERITY: Error  
FORMAT: "Ipc Version of Remote Card %d is different"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "Message to Remote Card failed, different IPC version"  
RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.  
REQUIRED INFO Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, Is C:/FW before calling the Cisco Technical support representative.

## FIPC-4-CTLINVRMTCTLMSG

SEVERITY: Error  
FORMAT: "Remote Card IPC CtlMsg Version Invalid"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "Message to Remote Card failed, diff IPC Ctl version"  
RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.  
REQUIRED INFO Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, Is C:/FW before calling the Cisco Technical support representative.

## FIPC-4-NAMEMEMALLOC

SEVERITY: Error  
FORMAT: "Failed allocate memory for %s, maxNumNames %d"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "Failed to allocate memory for global name array"  
RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.  
REQUIRED INFO Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, Is C:/FW before calling the Cisco Technical support representative.

## FIPC-4-NAMESRCSLOTINV

SEVERITY:	Error
FORMAT:	"Name Server BIND Rqst from slot %d Epid's srcPhySlotId %d"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Bind request invalid because of slot mismatch"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## FIPC-4-NAMETASKCREATE

SEVERITY:	Error
FORMAT:	"Failed to create Name Server task, errno %x"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Failed to create Name Server task"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## FIPC-4-NAMECOMMEPCREATE

SEVERITY:	Error
FORMAT:	"Failed to instantiate name Server Comm endpoint, errno %x"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Failed to instantiate name server comm endpoint"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## FIPC-5-NAMEINVMSGTYPE

SEVERITY: Warning  
FORMAT: "Invalid message type %x, arg %x"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "Invalid IPC ctl message type"  
RECOMMENDED ACTION: No Recommended Action  
REQUIRED INFO No Required Info

## FIPC-4-NAMEINVMSGVER

SEVERITY: Error  
FORMAT: "Invalid message version %x, arg %x"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "Invalid IPC message Version"  
RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.  
REQUIRED INFO Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, Is C:/FW before calling the Cisco Technical support representative.

## FIPC-5-NAMEENTRYOVRID

SEVERITY: Warning  
FORMAT: "Name entry %s epid %x overridden with epid %x"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "Name entry of an Endpoint Id is overridden by another"  
RECOMMENDED ACTION: No Recommended Action  
REQUIRED INFO No Required Info

## FIPC-4-NAMEENTRYINIT

SEVERITY: Error  
FORMAT: "Failed to initialize Name Server name entry"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "Failed to initialize Name Server name entry"  
RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the

representative with the gathered information.

REQUIRED INFO Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## FIPC-4-NAMEARRAYFULL

SEVERITY: Error

FORMAT: "FIPC Name Server name array is full"

FLAG: No Flag

THROTTLING One Tick

EXPLANATION: "FIPC name server name array is full"

RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## FIPC-4-NAMEMSGALLCFAIL

SEVERITY: Error

FORMAT: "Failed to allocate BIND/RESOLVE ACK message"

FLAG: No Flag

THROTTLING One Tick

EXPLANATION: "Failed to allocate BIND/RESOLVE ACK message"

RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## FIPC-5-NAMEENTRYBNDINV

SEVERITY: Warning

FORMAT: "Returned name entry %x out of name array bounds %x-%x"

FLAG: No Flag

THROTTLING One Tick

EXPLANATION: "Returned name entry out of name array boundary"

RECOMMENDED ACTION: No Recommended Action

REQUIRED INFO No Required Info

## FIPC-5-NAMENOENTRYOUT

SEVERITY:	Warning
FORMAT:	"No outstanding name entry %x in name array"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"No outstanding name entry in name array"
RECOMMENDED ACTION:	No Recommended Action
REQUIRED INFO	No Required Info

## FIPC-5-LCNOUTOFRANGE

SEVERITY:	Warning
FORMAT:	"LCN %d out of range <%d-%d>"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"LCN out of range"
RECOMMENDED ACTION:	No Recommended Action
REQUIRED INFO	No Required Info

## FIPC-4-LCNALREADYBOUND

SEVERITY:	Error
FORMAT:	"Bind failed LCN %d already bound by %x"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Bind failed because LCN already bound by Taskid"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## FIPC-5-LCNSARREGFAILED

SEVERITY:	Warning
FORMAT:	"Bind Failed LCN %d failed SAR registration, errno %x"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"Bind Failed because LCN failed while SAR registration"
RECOMMENDED ACTION:	No Recommended Action
REQUIRED INFO	No Required Info

## FIPC-5-LCNSARUNREGFAIL

SEVERITY: Warning  
FORMAT: "Unbind Failed LCN %d failed SAR unregistration, errno %x"  
FLAG: Stack Trace  
THROTTLING One Tick  
EXPLANATION: "Unbind failed"  
RECOMMENDED ACTION: No Recommended Action  
REQUIRED INFO No Required Info

## FIPC-5-LCNEPIDINVALID

SEVERITY: Warning  
FORMAT: "Bind failed LCN %d, epid %x invalid"  
FLAG: Stack Trace  
THROTTLING One Tick  
EXPLANATION: "Bind failed because LCN's epid is invalid"  
RECOMMENDED ACTION: No Recommended Action  
REQUIRED INFO No Required Info

## FIPC-5-LCNOWNERINVALID

SEVERITY: Warning  
FORMAT: "LCN %d owned by %x access by non-owner task %x"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "LCN being accessed by non owner task"  
RECOMMENDED ACTION: No Recommended Action  
REQUIRED INFO No Required Info

## FIPC-5-LCNNOTBOUND

SEVERITY: Warning  
FORMAT: "LCN %d is not bound"  
FLAG: No Flag  
THROTTLING One Tick  
EXPLANATION: "LCN not bound"  
RECOMMENDED ACTION: No Recommended Action  
REQUIRED INFO No Required Info

## FIPC-5-LCNMSGSENDERROR

SEVERITY:	Warning
FORMAT:	"Failed to send msg on LCN %d to epid %x, errno %x"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Failed to send message on LCN to epid"
RECOMMENDED ACTION:	No Recommended Action
REQUIRED INFO	No Required Info

## FIPC-5-CONNREF\_INVALID

SEVERITY:	Warning
FORMAT:	"spiSarLcnGet fail line no %d connRef=%d"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Invalid connection refernce received by SSI IPC"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	No Required Info

## FIPC-4-CONNADD\_FAIL

SEVERITY:	Error
FORMAT:	"spiConnAdd fail line no %d connRef=%d, connType=%d"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"spiConnAdd failed!"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## FIPC-4-CONNDEL\_FAIL

SEVERITY:	Error
FORMAT:	"spiConnDel fail line no %d connRef=%d"
FLAG:	Stack Trace

THROTTLING: One Tick  
 EXPLANATION: "spiConnDel failed!"  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.  
 REQUIRED INFO: Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## FIPC-4-LCNBIND\_FAIL

SEVERITY: Error  
 FORMAT: "ssilpcLcnBind fail line no %d connRef=%d, lcn=%d, epid=0x%x, hanle=0x%x, offset=0x%x, option=0x%x"  
 FLAG: Stack Trace  
 THROTTLING: One Tick  
 EXPLANATION: "ssilpclcnBind failed!"  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.  
 REQUIRED INFO: Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## FIPC-4-LCNUNBIND\_FAIL

SEVERITY: Error  
 FORMAT: "ssilpcLcnUnbind fail line no %d connRef=%d, lcn=%d"  
 FLAG: Stack Trace  
 THROTTLING: One Tick  
 EXPLANATION: "ssilpclcnUnbind failed!"  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.  
 REQUIRED INFO: Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## FIPC-4-CTCSTATETRAFAIL

SEVERITY: Error  
 FORMAT: "%s - CTC state transition failed, event %x, rc %x, errno %x"  
 FLAG: No Flag  
 THROTTLING: One Tick

EXPLANATION:	"ctc state transition failed for event"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## FIPC-4-CTCEVTREGFAIL

SEVERITY:	Error
FORMAT:	"%s - CTC Event Registration failed, event %x, rc %x, errno %x"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"CTC event registration failed for event"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## DDTS "stats-upload"

### STAT-1-FATAL\_ERROR

SEVERITY:	Fatal
FORMAT:	"%s"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"Fatal Error in Stat File Mgr"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	Please collect the output of the following CLIs On the controller card (a) dspcds (b) dspver (c) dsplog (d) sumdbshow On the Service Module card (a) dspcd (b) dspver (c) sfmdbshow 4

### STAT-4-MAJOR\_ERROR

SEVERITY:	Error
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FORMAT:	"%s"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"Major Error in Stat File Mgr. Here are some of the error Failed to enqueue cell for stat, Failed to call other APIs, failed to read/init ram disk and more ...These errors can cause the statistics file upload requests to fail."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	Please collect the output of the following CLIs On the controller card (a) dspcds (b) dspver (c) dsplog (d) sumdbshow On the Service Module card (a) dspcd (b) dspver (c) sfmdbshow 4

## STAT-4-ERROR

SEVERITY:	Error
FORMAT:	"%s"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"Minor Error in Stat File Mgr. Here are some of the error Can not release semaphore Can not take semaphore Unable to resolve EPID IPC send message failed and more .... These errors may not abort the statistics file upload request but need to be logged to aid debugging in case there are other serious problems."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	Please collect the output of the following CLIs On the controller card (a) dspcds (b) dspver (c) dsplog (d) sumdbshow On the Service Module card (a) dspcd (b) dspver (c) sfmdbshow 4

## STAT-5-WARNING

SEVERITY:	Warning
FORMAT:	"%s"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Warning in Stat File Mgr. Here are some of the warning Can not allocate memory Received unexpected message Card event register failure and more ..."

RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO                      No Required Info

## DDTS "ssi"

### SRAP-4-IOV\_NOTFREED

SEVERITY :                      Error  
 FORMAT :                      "Application with SyncRam DBID 0x%x and Receive Handler 0x%x did not free IOV with Mblk 0x%x"  
 FLAG :                         No Flag  
 THROTTLING :                 No Throttling  
 EXPLANATION :                "Sync RAM Application Error: IOV given to Receive Handler must be freed by application"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO :                No Required Info

### SRPR-4-INVALID\_PDU

SEVERITY:                      Error  
 FORMAT:                      "%s (CONID %p) Invalid PDU - %s = %d"  
 FLAG:                         Stack Trace  
 THROTTLING                    One Tick  
 EXPLANATION:                "Synchronous Protocol Error PDU has bad message type or Dup of the PDU message failed"  
 RECOMMENDED ACTION: "Please capture the following information and call your Cisco technical support representative."  
 REQUIRED INFO                 "On PXM45  
                                   1. dspversion  
                                   2. dsplog - collection the log over a period of two hours to cover what has happened before and after this error.  
                                   3. dsperr of the specified slot and specified error number. "

### SRPR-4-INVALID\_PDUVER

SEVERITY:                      Error  
 FORMAT:                      "%s (CONID %p) received an invalid PDU version %d (%d)"  
 FLAG:                         Stack Trace  
 THROTTLING                    One Tick  
 EXPLANATION:                "Synchronous Protocol Error PDU version does not match the SyncRam Message Version"  
 RECOMMENDED ACTION: "Please capture the following information and call your Cisco

REQUIRED INFO technical support representative."  
 "On PXM45  
 1. dspversion  
 2. dsplog - collection the log over a period of two hours to cover what has happened before and after this error.  
 3. dsperr of the specified slot and specified error number. "

## SRPR-4-INVALID\_UNBLOCK

SEVERITY: Error  
 FORMAT: "%s (CONID %x) Failed to unblock the application (%d)"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "Synchronous Protocol Error Unblock of application failed due to any one of the following failed message allocation, bad block type, failed open on transmit window, failed semaphore give."  
 RECOMMENDED ACTION: "Please capture the following information and call your Cisco technical support representative."  
 REQUIRED INFO "On PXM45  
 1. dspversion  
 2. dsplog - collection the log over a period of two hours to cover what has happened before and after this error.  
 3. dsperr of the specified slot and specified error number. "

## SRPR-5-INVALID\_INIT

SEVERITY: Warning  
 FORMAT: "Attempt to re-initialize the Sync RAM Update Module"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "Synchronous Protocol Error Attempt to re-initialize the Sync RAM Update Module"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SRPR-4-FAILED\_CTCCALL

SEVERITY: Error  
 FORMAT: "%s %s 0x%x %s 0x%x"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "Synchronous Protocol Error failed to successfully complete one of the CTC confirm functions"

RECOMMENDED ACTION: "Please capture the following information and call your Cisco technical support representative."

REQUIRED INFO "On PXM45

1. dspversion
2. dsplog - collection the log over a period of two hours to cover what has happened before and after this error.
3. dsperr of the specified slot and specified error number. "

## SRPR-4-INVALID\_CTCEVT

SEVERITY: Error

FORMAT: "%s CTC Event (0x%x) is invalid (%s). Current SR Task State=0x%x"

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION: "Synchronous Protocol Error Received a invalid CTC event or an event unsupported by this module"

RECOMMENDED ACTION: "Please capture the following information and call your Cisco technical support representative."

REQUIRED INFO "On PXM45

1. dspversion
2. dsplog - collection the log over a period of two hours to cover what has happened before and after this error.
3. dsperr of the specified slot and specified error number. "

## SRPR-4-INV\_CTC\_RETVAL

SEVERITY: Error

FORMAT: "%s CTC API (%s) return invalid (0x%x) - %s (0x%x). Current SR Task State=0x%x"

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION: "Synchronous Protocol Error Received a invalid CTC event or an event unsupported by this module"

RECOMMENDED ACTION: "Please capture the following information and call your Cisco technical support representative."

REQUIRED INFO "On PXM45

1. dspversion
2. dsplog - collection the log over a period of two hours to cover what has happened before and after this error.
3. dsperr of the specified slot and specified error number. "

## SRPR-4-INVALID\_SM\_LOCK

SEVERITY:	Error
FORMAT:	"%s Can't lock the state machine, taskId=0x%x (errno=0x%x)"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"Synchronous Protocol Error Take on the Protocol State machine semaphore failed"
RECOMMENDED ACTION:	"Please capture the following information and call your Cisco technical support representative."
REQUIRED INFO	"On PXM45 1. dspversion 2. dsplog - collection the log over a period of two hours to cover what has happened before and after this error. 3. dsperr of the specified slot and specified error number. "

## SRPR-4-SM\_LOCK\_TIMEOUT

SEVERITY:	Error
FORMAT:	"%s Timeout locking the state machine, taskId=0x%x (errno=0x%x)"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"Synchronous Protocol Error Take on the Protocol State machine semaphore timed out"
RECOMMENDED ACTION:	"Please capture the following information and call your Cisco technical support representative."
REQUIRED INFO	"On PXM45 1. dspversion 2. dsplog - collection the log over a period of two hours to cover what has happened before and after this error. 3. dsperr of the specified slot and specified error number. "

## SRPR-4-INVALID\_SMUNLCK

SEVERITY:	Error
FORMAT:	"%s Can't unlock the state machine, taskId=0x%x (errno=0x%x)"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"Synchronous Protocol Error Give on the Protocol State machine semaphore failed"
RECOMMENDED ACTION:	"Please capture the following information and call your Cisco technical support representative."
REQUIRED INFO	"On PXM45

1. dspversion
2. dsplog - collection the log over a period of two hours to cover what has happened before and after this error.
3. dsperr of the specified slot and specified error number. "

## SRPR-4-INVALID\_BLOCK

SEVERITY:	Error
FORMAT:	"%s Invalid Applid = 0x%x (expected 0x%x) Current Task=0x%x"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"Synchronous Protocol Error The application trying to set the blocking type is not the one that created the connection."
RECOMMENDED ACTION:	"Please capture the following information and call your Cisco technical support representative."
REQUIRED INFO	"On PXM45 <ol style="list-style-type: none"> <li>1. dspversion</li> <li>2. dsplog - collection the log over a period of two hours to cover what has happened before and after this error.</li> <li>3. dsperr of the specified slot and specified error number. "</li> </ol>

## SRPR-4-INVALID\_DBID

SEVERITY:	Error
FORMAT:	"%s SyncRam DBID 0x%x is invalid"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"Synchronous Protocol Error Input parameter ssiDbid is invalid"
RECOMMENDED ACTION:	"Please capture the following information and call your Cisco technical support representative."
REQUIRED INFO	"On PXM45 <ol style="list-style-type: none"> <li>1. dspversion</li> <li>2. dsplog - collection the log over a period of two hours to cover what has happened before and after this error.</li> <li>3. dsperr of the specified slot and specified error number. "</li> </ol>

## SRPR-5-SR\_DBIDWARN

SEVERITY:	Warning
FORMAT:	"Invalid SyncRam Dbld=0x%x is used"
FLAG:	Stack Trace
THROTTLING	One Tick

EXPLANATION: "Synchronous Protocol Warning An invalid Dbld is used. It should not be used as index to syncRam table."  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SRPR-5-INVALID\_EVENT

SEVERITY: Warning  
 FORMAT: "%s Invalid Event (%d) for DBID (0x%x) [state=%d]"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "Synchronous Protocol Error Invalid Event (out of range) or not supported for the current state"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SRPR-4-SR\_IPCERR

SEVERITY: Error  
 FORMAT: "%s [%s] failed for Dbld=%p by Tid=%x. Errno=%x"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "Synchronous Protocol Error IPC api specified returned error"  
 RECOMMENDED ACTION: "Please capture the following information and call your Cisco technical support representative."  
 REQUIRED INFO "On PXM45  
 1. dspversion  
 2. dsplog - collection the log over a period of two hours to cover what has happened before and after this error.  
 3. dsperr of the specified slot and specified error number. "

## SRPR-4-INVALID\_EVTFUNC

SEVERITY: Error  
 FORMAT: "%s Invalid Event function (NULL) for Conld(0x%x)"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "Synchronous Protocol Error No event function registered for the current Conld but SYNCDONE event is enabled"  
 RECOMMENDED ACTION: "Please capture the following information and call your Cisco technical support representative."  
 REQUIRED INFO "On PXM45  
 1. dspversion

2. dsplog - collection the log over a period of two hours to cover what has happened before and after this error.
3. dsperr of the specified slot and specified error number. "

## SRPR-4-SR\_NO\_RSRC

SEVERITY:	Error
FORMAT:	"%s Failed allocating resource %s Err=0x%x"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"Synchronous Protocol Failed to allocate resource"
RECOMMENDED ACTION:	"Please capture the following information and call your Cisco technical support representative."
REQUIRED INFO	"On PXM45 <ol style="list-style-type: none"> <li>1. dspversion</li> <li>2. dsplog - collection the log over a period of two hours to cover what has happened before and after this error.</li> <li>3. dsperr of the specified slot and specified error number.</li> <li>4. do a hot coredump and collect the coredump zip file. "</li> </ol>

## SRPR-5-SR\_IPCWARNING

SEVERITY:	Warning
FORMAT:	"%s [%s] Message is not in Rxmt Q for Dbld=%x by Tid=%x."
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"Synchronous Protocol Warning Message is either not yet in the Rxmt queue or already removed."
RECOMMENDED ACTION:	No Recommended Action
REQUIRED INFO	No Required Info

## SRPR-7-SR\_SYNCDONE

SEVERITY:	Information
FORMAT:	"%s %s for ConId 0x%x"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Synchronous Protocol Informational Indicates whether a message is sent to the APP indicating SYNCDONE or SYNCDONE flag is set so that when the APP calls the ssiRamSyncReceiveReady API, SYNCDONE event is delivered."
RECOMMENDED ACTION:	No Recommended Action
REQUIRED INFO	No Required Info

**SRPR-7-ACK\_TIMEOUT**

SEVERITY: Information  
 FORMAT: "%s Role=%s CONID=0x%x detects %s %s=%d, %s=%d "  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "Timeout for an expected ACK has been detected Peer application did not ACK this message. This application might have been starved out by other higher priority applications."  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

**SRPR-5-SR\_BADREG**

SEVERITY: Warning  
 FORMAT: "%s %s from Slot=%d for Conld 0x%x communicated with Slot=%d"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "Synchronous Protocol Informational Detects a case where a register message is sent from a slot for a Dbld that is established to talk to another slot. "  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

**DDTS "ssi"****SRAP-7-NO\_EVENT**

SEVERITY: Information  
 FORMAT: "Later"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "Event explanation comes at later point"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

**SRAP-4-API\_INVALIDPARM**

SEVERITY: Error  
 FORMAT: "%s Parameter %s has invalid value %x (DBID %x)"  
 FLAG: Stack Trace  
 THROTTLING One Tick

EXPLANATION: "Sync RAM API Error Input parameter (IOVPtr or index) is invalid (NULL) or exceeds number of elements. It needs to be analyzed by TAC/Development team. In normal operation, such an error should never get report. "

RECOMMENDED ACTION: "Please capture the following information and call your Cisco technical support representative."

REQUIRED INFO "On PXM45

1. dspversion
2. dsplog - collection the log over a period of two hours to cover what has happened before and after this error.
3. dsperr of the specified slot and specified error number. "

## SRAP-5-API\_INVALIDPARM

SEVERITY: Warning

FORMAT: "%s Invalid Parameter (%s=0x%x) (%s=0x%x) (DBID %x)"

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION: "Sync RAM API Error Input parameter (IOVPtr or index) is invalid (NULL) or exceeds number of elements"

RECOMMENDED ACTION: No Recommended Action

REQUIRED INFO No Required Info

## SRAP-5-INVALID\_DBNAME

SEVERITY: Warning

FORMAT: "%s Invalid DB Name entered (%s)"

FLAG: No Flag

THROTTLING One Tick

EXPLANATION: "Sync RAM API Error DB Name exceeds the maximum allowed"

RECOMMENDED ACTION: No Recommended Action

REQUIRED INFO No Required Info

## SRAP-5-INVALID\_DBID

SEVERITY: Warning

FORMAT: "%s SyncRam DBID 0x%x is invalid"

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION: "Sync RAM API Error Input parameter ssiDbid is invalid"

RECOMMENDED ACTION: No Recommended Action

REQUIRED INFO No Required Info

## SRAP-5-INVALID\_WINSIZE

SEVERITY: Warning  
 FORMAT: "%s Window size (%d) is invalid, max. allowed Window size is %d"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "Sync RAM API ERROR Window size exceeds the maximum allowed window size"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SRAP-5-INVALID\_RECSIZE

SEVERITY: Warning  
 FORMAT: "%s Record size (%d) is invalid, max. allowed Record size is %d"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "Sync RAM API ERROR Record size exceeds the maximum allowed record size"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SRAP-5-INVALID\_REREG

SEVERITY: Warning  
 FORMAT: "%s The connection '%s' is already in use"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "Sync RAM API error Input Connection ID has already been registered"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SRAP-5-TOOMANYCONS

SEVERITY: Warning  
 FORMAT: "%s The Maximum number of connections are allocated (%d)"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "Sync RAM API error SYNC RAM DB Table is full"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SRAP-5-INV\_IOVMAXELEMS

SEVERITY: Warning  
 FORMAT: "%s DBID 0x%x Max Elements in IOV (%d) exceeds max. possible(%d)"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "Sync RAM API Error Input parameter maxElements exceeds number of elements possible"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SRAP-5-FAILED\_BUFALLOC

SEVERITY: Warning  
 FORMAT: "%s IOV Buffer Allocation failed"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "Sync RAM API error srProtoMsgAllocate() returned NULL"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SRAP-5-INVALID\_IOVSIZE

SEVERITY: Warning  
 FORMAT: "%s IOV Control Data Size(%d) exceeds max allowed Data len(%d)"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "Sync RAM API error IOV control data exceeds the maximum allowed buffer size for an IOV"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SRAP-5-INVALID\_TID

SEVERITY: Warning  
 FORMAT: "%s TaskId (0x%x) is invalid"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "Sync RAM API error Input parameter TaskID is invalid"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SRAP-5-INV\_APPSTATE

SEVERITY: Warning  
 FORMAT: "%s Application not in valid state for RamSync DB Registration"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "Sync RAM API error Card should not be in READY state for DB registration"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SRAP-5-INVALID\_APICALL

SEVERITY: Warning  
 FORMAT: "%s Invalid call of API, unexpected %s (0x%x) defined for DBID (%x)"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "Sync RAM API error If EPID Handler is defined, lovReceive API cannot be invoked"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SRAP-5-BAD\_RESETACK

SEVERITY: Warning  
 FORMAT: "%s Bad Call to ssiRamSyncDbResetAck(0x%x) with no pending reset"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "Sync RAM API error Bad call to ssiRamSyncDbResetAck() with no pending reset"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SRAP-5-INVALID\_EPID

SEVERITY: Warning  
 FORMAT: "%s Invalid EPID in DB Table Entry for DBID (%x)"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "Sync RAM API error EPID has SSI\_INVALID\_COM\_EPID value, which is not allowed for any DBID."

RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SRAP-4-FAILED\_PROTOEVT

SEVERITY: Error  
 FORMAT: "%s Protocol Event (%d) failed for conld Data transfer API identifier (%p)"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "Sync RAM API error srProtoEvent() failed for the specific event."  
 RECOMMENDED ACTION: "Please capture the following information and call your Cisco technical support representative."  
 REQUIRED INFO "On PXM45  
 1. dspversion  
 2. dsplog - collection the log over a period of two hours to cover what has happened before and after this error.  
 3. dsperr of the specified slot and specified error number. "

## SRAP-5-INVALID\_FUNC

SEVERITY: Warning  
 FORMAT: "%s Function is not implemented"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "Sync RAM API error Function not implemented In normal operation, such an error should never get report."  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SRAP-5-INVALID\_EVTREG

SEVERITY: Warning  
 FORMAT: "%s Invalid Events (0x%x) being registered (allowed mask=0x%x)"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "Sync RAM API error Invalid Events are being registered"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

**SRAP-5-IOV\_INVLDIOVHDR**

SEVERITY: Warning  
 FORMAT: "%s Invalid IOV Hdr param %s is %x, max %x (DBID %x)"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "SyncRam API IOV Error Either current buffer number exceeds maximum buffer number or current IOV element exceeds maximum IOV elements"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

**SRAP-5-IOV\_NUMELEMINV**

SEVERITY: Warning  
 FORMAT: "%s DBID %x, Invalid # of elements %d in IOV (Hdr says %d)"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "SyncRam API IOV Error Number of elements exceeds the max IOV elements in the header"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

**SRAP-4-IOV\_BUFHDRINVLD**

SEVERITY: Error  
 FORMAT: "%s Invalid IOV Buf Hdr DBID %x (%x), BUFNO %x (%x)"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "SyncRam API IOV Error IOV Buffer header contains either mismatched DB ID or bad transaction buffer number"  
 RECOMMENDED ACTION: "Please capture the following information and call your Cisco technical support representative."  
 REQUIRED INFO "On PXM45  
 1. dspversion  
 2. dsplog - collection the log over a period of two hours to cover what has happened before and after this error.  
 3. dsperr of the specified slot and specified error number. "

**SRAP-5-IOV\_BUFVERINVLD**

SEVERITY: Warning  
 FORMAT: "%s Invalid IOV Buf Hdr DBID %x, VER %x (%x)"

FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "SyncRam API IOV Error Buffer Version in IOV has unsupported version number"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SRAP-5-IOV\_BUFSIZEINV

SEVERITY: Warning  
 FORMAT: "%s Invalid IOV Buffer Size DBID %x, Size %x (%x)"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "SyncRam API IOV Error Buffer size is less than the space allocated in the message"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SRAP-5-IOV\_BUFLIMITINV

SEVERITY: Warning  
 FORMAT: "%s Inv Buf Limit, DBID %x, Limit %x (%x), mbPtr %x, datap %x"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "SyncRam API IOV Error An invalid buffer size limit was reached."  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SRAP-4-IOV\_BUFFERFREE

SEVERITY: Error  
 FORMAT: "Error freeing buffer %d from IOV Hdr %x"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "SyncRam API IOV Error Message free on the buffer failed. More information should be reflected from lpc message free action. "  
 RECOMMENDED ACTION: "Please capture the following information and call your Cisco technical support representative."  
 REQUIRED INFO "On PXM45  
 1. dspversion  
 2. dsplog - collection the log over a period of two hours to cover what has happened before and after this error.  
 3. dsperr of the specified slot and specified error number. "

## SRAP-4-IOV\_ELEMDATALEN

SEVERITY:	Error
FORMAT:	"%s IOV Elem data len %d exceeds max len %d"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"SyncRam API IOV Error Detects application attempting to add element with a data length which is exceeded the maximum set in the IOV header."
RECOMMENDED ACTION:	"Please capture the following information and call your Cisco technical support representative. This should not get report under normal operation. "
REQUIRED INFO	"On PXM45 1. dspversion 2. dsplog - collection the log over a period of two hours to cover what has happened before and after this error. 3. dsperr of the specified slot and specified error number. "

## SRAP-5-IOV\_ACCFUNCERR

SEVERITY:	Warning
FORMAT:	"%s DBID %x acc func error, rc %x, errno %x, dataLen %x (%x)"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"SyncRam API IOV Error Access function failed by either returning an ERROR, or setting actual Data length to 0 or actual data length exceeds the maximum data length"
RECOMMENDED ACTION:	No Recommended Action
REQUIRED INFO	No Required Info

## SRAP-4-IOV\_NOACCFUNC

SEVERITY:	Error
FORMAT:	"%s DBID %x has no access function"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"SyncRam API IOV Error No access function was defined. In normal operation, such an error should never get report."
RECOMMENDED ACTION:	"Please capture the following information and call your Cisco technical support representative."
REQUIRED INFO	"On PXM45 1. dspversion 2. dsplog - collection the log over a period of two hours to cover what has happened before and after this error."

3. dsperr of the specified slot and specified error number. "

## SRAP-4-IOV\_ELEMTYPEINV

SEVERITY:	Error
FORMAT:	"%s DBID %x IOV Element type %x is invalid"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"SyncRam API IOV Error Element type has to be one of DATA or FUNCTION Access, in this case it was invalid. Under normal operation, such an error should never get report. "
RECOMMENDED ACTION:	"Please capture the following information and call your Cisco technical support representative."
REQUIRED INFO	"On PXM45 1. dspversion 2. dsplog - collection the log over a period of two hours to cover what has happened before and after this error. 3. dsperr of the specified slot and specified error number. "

## SRAP-4-IOV\_ELEMBUFFER

SEVERITY:	Error
FORMAT:	"%s DBID %x IOV Elem Buffer %d out of bounds for IOV (%d)"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"SyncRam API IOV Error Element buffer number exceeds maximum outstanding records. Under normal operation, such an error should never get report."
RECOMMENDED ACTION:	"Please capture the following information and call your Cisco technical support representative."
REQUIRED INFO	"On PXM45 1. dspversion 2. dsplog - collection the log over a period of two hours to cover what has happened before and after this error. 3. dsperr of the specified slot and specified error number. "

## SRAP-4-IOV\_ELEMOFFSET

SEVERITY:	Error
FORMAT:	"%s DBID %x - IOV Elem Offset %d exceeds buffer %d offset %d"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"SyncRam API IOV Error Buffer Offset exceeds the maximum data

length specified in the header. Under normal operation, such an error should never get report."

RECOMMENDED ACTION: "Please capture the following information and call your Cisco technical support representative."

REQUIRED INFO "On PXM45

1. dspversion
2. dsplog - collection the log over a period of two hours to cover what has happened before and after this error.
3. dsperr of the specified slot and specified error number. "

## SRAP-4-IOV\_DUPFAILED

SEVERITY: Error

FORMAT: "%s DBID %x - IOV pointer (0x%x) dup failed"

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION: "SyncRam API IOV Error IOV Pointer duplication failed. IPC resource problem related."

RECOMMENDED ACTION: "Please capture the following information and call your Cisco technical support representative."

REQUIRED INFO "On PXM45

## SRAP-5-IOV\_HDRDUPFAIL

SEVERITY: Warning

FORMAT: "%s DBID %x - MBLK pointer (0x%x) dup failed"

FLAG: No Flag

THROTTLING One Tick

EXPLANATION: "SyncRam API IOV Error MBLK pointer duplication failed"

RECOMMENDED ACTION: No Recommended Action

REQUIRED INFO No Required Info

## SRAP-7-IOV\_STBY\_SEND

SEVERITY: Information

FORMAT: "%s DBID %x - attempts an IOV send from STDBY."

FLAG: No Flag

THROTTLING One Tick

EXPLANATION: "Standby application attempts a limited sending of data to the Active."

RECOMMENDED ACTION: No Recommended Action

REQUIRED INFO No Required Info

**SRAP-5-IOV\_STBY\_SEND\_F**

SEVERITY: Warning  
 FORMAT: "%s DBID %x - Blocking Send unsupported on STDBY(TrAck=%d, Tmout=%d)"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "SyncRam API IOV Error Standby does not allow blocking send, which would mean no - transaction ack or non-zero timeouts"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

**SRAP-5-INVALID\_EVTFUNC**

SEVERITY: Warning  
 FORMAT: "%s Invalid Event function (NULL) for ConId(0x%x)"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "Synchronous Protocol Error No event function registered for the current ConId but SYNCDONE event is enabled"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

**SRAP-2-API\_CONV\_FUNC\_F**

SEVERITY: Major Alert  
 FORMAT: "%s DBID=0x%x peerVer=0x%x transId=0x%x err0x%x failed conversion"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "SyncRam API failed to up/downgrade iov elem ptr In normal operation, such an error should never get report."  
 RECOMMENDED ACTION: "Please capture the following information and call your Cisco technical support representative."  
 REQUIRED INFO "On PXM45  
 1. dsplog - collection the log over a period of two hours to cover what has happened before and after this error.  
 2. Identify the up/downgrade from and to version. "

**SRAP-5-API\_CONV\_MAJ\_FA**

SEVERITY: Warning  
 FORMAT: "%s %s <0x%x>"

FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "SyncRam API failed due to temporary resource or problems which affect a single app during up/downgrade iov elem ptr"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SRAP-5-API\_CONV\_MAJ\_FA

SEVERITY: Warning  
 FORMAT: "Failed to allocate memory. %s %s <0x%x,0x%x>"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "SyncRam API failed due to not able to allocate temporary resource which affect a single app during up/downgrade DB"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SRAP-5-API\_CONV\_MAJ\_FA

SEVERITY: Warning  
 FORMAT: "%s %s <0x%x,0x%x,0x%x>"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "SyncRam API failed due to temporary resource or problems which affect a single app during up/downgrade iov elem ptr"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SRAP-3-API\_CONV\_MAJ\_FA

SEVERITY: Minor Alert  
 FORMAT: "Failed to allocate memory for new bucket %s %s <0x%x,0x%x,0x%x,0x%x>"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "SyncRam API failed due to not able to allocate resource which affect a single app during up/downgrade DB registration"  
 RECOMMENDED ACTION: "Please capture the following information and call your Cisco technical support representative."  
 REQUIRED INFO "On PXM45  
 1. dsplog - collection the log over a period of two hours to cover what has happened before and after this error."

**SRAP-5-API\_CONV\_MAJ\_FA**

SEVERITY:	Warning
FORMAT:	"%s %s <0x%x,0x%x,0x%x,0x%x,0x%x>"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"SyncRam API failed due to temporary resource or problems which affect a single app during up/downgrade iov elem ptr"
RECOMMENDED ACTION:	No Recommended Action
REQUIRED INFO	No Required Info

**SRAP-2-API\_CONV\_FATAL\_**

SEVERITY:	Major Alert
FORMAT:	"%s %s <0x%x>"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"SyncRam API failed due to nonrecoverable problems (e.g. corruption ) during up/downgrade iov elem ptr These errors can prevent the task to come up. The errors could be the followings Can not create semaphore during task initialization Can not take semaphore "
RECOMMENDED ACTION:	"Please capture the following information and call your Cisco technical support representative."
REQUIRED INFO	"On PXM45 1. dsplog - collection the log over a period of two hours to cover what has happened before and after this error."

**SRAP-2-API\_CONV\_FATAL\_**

SEVERITY:	Major Alert
FORMAT:	"%s %s <0x%x,0x%x>"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"SyncRam API failed due to nonrecoverable problems (e.g. corruption ) during up/downgrade iov elem ptr. These errors could be the following Unexepected NULL key that map to the conversion structure. A call to a conversion API call failed."
RECOMMENDED ACTION:	"Please capture the following information and call your Cisco technical support representative."
REQUIRED INFO	"On PXM45 1. dsplog - collection the log over a period of two hours to cover what has happened before and after this error."

**SRAP-5-API\_CONV\_FATAL\_**

SEVERITY: Warning  
 FORMAT: "Memory corruption. One of the buffer is NULL. %s %s  
 <0x%x,0x%x,0x%x>"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "Memory corruption. One of the buffer is NULL"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

**SRAP-5-API\_CONV\_FATAL\_**

SEVERITY: Warning  
 FORMAT: "%s %s <0x%x,0x%x,0x%x,0x%x>"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "SyncRam API failed due to nonrecoverable problems (e.g.  
 corruption ) during up/downgrade iov elem ptr. The buffer size is  
 zero."  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

**SRAP-5-API\_CONV\_FATAL\_**

SEVERITY: Warning  
 FORMAT: "%s %s <0x%x,0x%x,0x%x,0x%x,0x%x>"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "SyncRam API failed due to nonrecoverable problems (e.g.  
 corruption ) during up/downgrade iov elem ptr"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

**SRAP-5-API\_CONV\_FAIL**

SEVERITY: Warning  
 FORMAT: "%s %s <0x%x>"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "SyncRam API is used incorrectly "  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SRAP-5-API\_CONV\_FAIL2

SEVERITY: Warning  
 FORMAT: "%s %s <0x%x,0x%x>"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "SyncRam API is used incorrectly"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SRAP-2-API\_CONV\_FAIL3

SEVERITY: Major Alert  
 FORMAT: "%s %s <0x%x, 0x%x, 0x%x>"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "SyncRam API is used incorrectly"  
 RECOMMENDED ACTION: "Please capture the following information and call your Cisco technical support representative."  
 REQUIRED INFO "On PXM45  
 1. dsplog - collection the log over a period of two hours to cover what has happened before and after this error."

## SRAP-4-API\_CONV\_FAIL4

SEVERITY: Error  
 FORMAT: "%s %s <0x%x, 0x%x, 0x%x, 0x%x>"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "SyncRam API is used incorrectly"  
 RECOMMENDED ACTION: "Please capture the following information and call your Cisco technical support representative."  
 REQUIRED INFO "On PXM45  
 1. dspversion  
 2. dsplog - collection the log over a period of two hours to cover what has happened before and after this error.  
 3. dsperr of the specified slot and specified error number. "

## SRAP-4-API\_CONV\_FAIL5

SEVERITY: Error  
 FORMAT: "%s %s <0x%x, 0x%x, 0x%x, 0x%x, 0x%x>"

FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "SyncRam API is used incorrectly"  
 RECOMMENDED ACTION: "Please capture the following information and call your Cisco technical support representative."  
 REQUIRED INFO "On PXM45  
 1. dspversion  
 2. dsplog - collection the log over a period of two hours to cover what has happened before and after this error.  
 3. dsperr of the specified slot and specified error number. "

## SRAP-5-API\_CONV\_WARNIN

SEVERITY: Warning  
 FORMAT: "%s %s <0x%x>"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "SyncRam API is used incorrectly, but problem is already corrected"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SRAP-5-API\_CONV\_WARNIN

SEVERITY: Warning  
 FORMAT: "%s %s <0x%x,0x%x>"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "SyncRam API is used incorrectly, but problem is already corrected"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SRAP-4-IOV\_INVLDPTR

SEVERITY: Error  
 FORMAT: "%s %s(0x%x),%s(%d) "  
 FLAG: Stack Trace  
 THROTTLING No Throttling  
 EXPLANATION: "Null IOV ptr is detected. "  
 RECOMMENDED ACTION: "Please capture the following information and call your Cisco technical support representative."  
 REQUIRED INFO "On PXM45  
 1. dspversion

2. dsplog - collection the log over a period of two hours to cover what has happened before and after this error.
3. dsperr of the specified slot and specified error number. "

## DDTS "diskdb"

### DB2A-5-DB2API\_APPL\_ID

SEVERITY:	Warning
FORMAT:	"Error 0x%x getting Application Id for sending %s"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"DB Client API failed to get the Application Id using the SSI API for sending message to DB Client"
RECOMMENDED ACTION:	No Recommended Action
REQUIRED INFO	No Required Info

### DB2A-5-DB2API\_MSG\_BUF\_

SEVERITY:	Warning
FORMAT:	"Error 0x%x allocating message buffer for sending %s of length %d"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"DB Client API failed to allocate a message buffer using the IPC API."
RECOMMENDED ACTION:	No Recommended Action
REQUIRED INFO	No Required Info

### DB2A-5-DB2API\_MSG\_BUF\_

SEVERITY:	Warning
FORMAT:	"Error 0x%x releasing message buffer 0x%x for sending %s"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"DB Client API failed to release a message buffer using the IPC API."
RECOMMENDED ACTION:	No Recommended Action
REQUIRED INFO	No Required Info

**DB2A-5-DB2API\_SYN\_MSG\_**

SEVERITY: Warning  
 FORMAT: "Error 0x%x sending synchronous message of type %s"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "DB Client API failed to send the synchronous message using the IPC API"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

**DB2A-5-DB2API\_MSG\_SEND**

SEVERITY: Warning  
 FORMAT: "Error 0x%x sending asynchronous message of type %s"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "DB Client API failed to send the asynchronous message using the IPC API"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

**DB2A-5-DB2API\_WRONG\_RE**

SEVERITY: Warning  
 FORMAT: "Received wrong reply from DB Client. Expecting reply type=%d, got %d, expecting ApplId=%d, got %d, expecting Event Group=%d, got %d, expecting Header Version=%d, got %d"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "DB Client API received a reply either of wrong message type or with wrong Application Id"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

**DB2A-5-DB2API\_REPLY**

SEVERITY: Warning  
 FORMAT: "Error 0x%x received from DB Client for %s"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "DB Client API reply from the DB Client indicating failure of the DB request"

RECOMMENDED ACTION: No Recommended Action

REQUIRED INFO No Required Info

## DB2A-5-DB2API\_INVNAME

SEVERITY: Warning

FORMAT: "Invalid %s <%s> received from application for %s"

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION: "DB Client API received Database or Table Name that is either not terminated with NULL or longer than allowed"

RECOMMENDED ACTION: No Recommended Action

REQUIRED INFO No Required Info

## DB2A-5-DB2API\_INVPARAM

SEVERITY: Warning

FORMAT: "Invalid %s <0x%x> received from application for %s"

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION: "DB Client API received invalid parameter as indicated in specified operation."

RECOMMENDED ACTION: No Recommended Action

REQUIRED INFO No Required Info

## DB2A-5-DB2API\_INVPTR

SEVERITY: Warning

FORMAT: "%s <0x%x> received from application for %s"

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION: "DB Client API received invalid pointer parameter as indicated in specified operation."

RECOMMENDED ACTION: No Recommended Action

REQUIRED INFO No Required Info

## DB2A-5-DB2API\_INV\_LSLO

SEVERITY: Warning

FORMAT: "Invalid Logical slot=%d received from applId=%d for <%s>"

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION: "DB Client API received invalid logical slot number for the operation specified."  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## DB2A-5-DB2API\_INV\_SVR\_

SEVERITY: Warning  
 FORMAT: "Invalid Server Command=%d received from application for %s"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "DB Client API received invalid Server Command from the application"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## DB2A-5-DB2API\_INV\_SVR\_

SEVERITY: Warning  
 FORMAT: "Invalid Server Type=%d received from application for %s"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "DB Client API received invalid Server Type from the application"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## DB2A-7-STBYRDENABLE

SEVERITY: Information  
 FORMAT: "Application requested to enable DB Reads on Standby"  
 FLAG: No Flag  
 THROTTLING No Throttling  
 EXPLANATION: "The calling application requested to enable DB Reads on Standby PXM."  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## DB2A-7-STBYRDDISABLE

SEVERITY: Information  
 FORMAT: "Application requested to disable DB Reads on Standby"  
 FLAG: No Flag

THROTTLING No Throttling  
 EXPLANATION: "The calling application requested to disable DB Reads on Standby PXM."  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## DB2A-7-REG

SEVERITY: Information  
 FORMAT: "Registration %s request received for lslot=%d"  
 FLAG: No Flag  
 THROTTLING No Throttling  
 EXPLANATION: "The calling application indicates that the registration for the specified slot begins or ends as specified."  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## DDTS "ssi"

### SSI-2-MAJOR\_ERROR

SEVERITY: Major Alert  
 FORMAT: "Where %s()%d, Errno 0x%x, ErrMsg %s"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "SSI major error func()line, Errno, Error Msg"  
 RECOMMENDED ACTION: "If this problem persists, reset the card."  
 REQUIRED INFO "Take core dump. Collect event and error logs."

### SSI-5-ERROR\_STKYES

SEVERITY: Warning  
 FORMAT: "Where %s()%d, Errno 0x%x, ErrMsg %s"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "SSI error with stk trace func()line, Errno, Error Msg"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SSI-5-ERROR\_STKNO

SEVERITY: Warning  
 FORMAT: "Where %s() %d, Errno 0x%x, ErrMsg %s"  
 FLAG: No Flag  
 THROTTLING: One Tick  
 EXPLANATION: "SSI error with stk trace func() line, Errno, Error Msg"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO: No Required Info

## SSI-4-PARMINVALID

SEVERITY : Error  
 FORMAT : "%s, line %d, Invalid parameter %s address %x"  
 FLAG : Stack Trace  
 THROTTLING : One Tick  
 EXPLANATION : "Parameter invalid"  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.  
 REQUIRED INFO : Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## SSI-4-PARMMAXEXCEEDED

SEVERITY: Error  
 FORMAT: "Parm %s '%d' has exceeded max %d to %s."  
 FLAG: Stack Trace  
 THROTTLING: One Tick  
 EXPLANATION: "API Software Error. The parameter value for the named parameter passed in as an argument to the named function exceeded maximum value specified."  
 RECOMMENDED ACTION: "Look for the events logged by the module/function calling the specified API function and take the actions recommended for those events."  
 REQUIRED INFO: "Collect the event and error logs."

## SSI-4-PARMOUTOFRANGE

SEVERITY : Error  
 FORMAT : "%s, line %d, Invalid parameter %s, value %d"  
 FLAG : Stack Trace  
 THROTTLING : One Tick

EXPLANATION : "Parameter out of range"

RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO : Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, Is C:/FW before calling the Cisco Technical support representative.

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## SSI-4-TASKENTRYGETFAI

SEVERITY : Error

FORMAT : "%s, line %d, Error getting task entry for task %d"

FLAG : Stack Trace

THROTTLING : One Tick

EXPLANATION : "Error getting task entry"

RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO : Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, Is C:/FW before calling the Cisco Technical support representative.

## SSI-4-TASKIDINVALID

SEVERITY : Error

FORMAT : "%s, line %d, An invalid SSI\_TID of %x was passed as an argument"

FLAG : Stack Trace

THROTTLING : One Tick

EXPLANATION : "Invalid Task Id"

RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO : Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, Is C:/FW before calling the Cisco Technical support representative.

## SSI-4-TASKSEMINVL

SEVERITY : Error

FORMAT : "%s, line %d, Invalid Task semaphore errno %x"

FLAG : Stack Trace

THROTTLING : One Tick

EXPLANATION : "Invalid Task semaphore"

RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO : Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## SSI-4-TASKSEMTAKE

SEVERITY : Error  
 FORMAT : "%s, line %d, Error taking Task semaphore for task %d, errno %x"  
 FLAG : Stack Trace  
 THROTTLING : One Tick  
 EXPLANATION : "Error acquiring Task semaphore"

RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO : Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## SSI-4-TASKSEMGIVE

SEVERITY : Error  
 FORMAT : "%s, line %d, Error giving Task semaphore for task %d, errno %x"  
 FLAG : Stack Trace  
 THROTTLING : One Tick  
 EXPLANATION : "Error giving Task semaphore"

RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO : Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## SSI-4-TASKSEMCREATE

SEVERITY : Error  
 FORMAT : "%s, line %d, Error creating Task semaphore for task %d, errno %x"  
 FLAG : Stack Trace  
 THROTTLING : One Tick  
 EXPLANATION : "Error creating Task semaphore"

RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO : Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## SSI-4-TASKSEMDEL

SEVERITY : Error  
 FORMAT : "%s, line %d, Error deleting Task semaphore for task %d, errno %x"  
 FLAG : Stack Trace  
 THROTTLING : One Tick  
 EXPLANATION : "Error deleting Task semaphore"  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO : Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## SSI-4-TIMERERROR

SEVERITY : Error  
 FORMAT : "%s, line %d, Error processing timer"  
 FLAG : Stack Trace  
 THROTTLING : One Tick  
 EXPLANATION : "Error Processing Timer"  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO : Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## SSI-4-TIMEREVENT

SEVERITY : Error  
 FORMAT : "%s, line %d, task %d, timeout %d"  
 FLAG : Stack Trace  
 THROTTLING : One Tick  
 EXPLANATION : "Process timed out waiting for a message"  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO : Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## SSI-4-CHUNKINVPTR

SEVERITY :	Error
FORMAT :	"%s, line %d, The chunk pointer is invalid"
FLAG :	Stack Trace
THROTTLING :	One Tick
EXPLANATION :	"A bad or NULL Chunk pointer was passed"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO :	Enter the CLI commands dspcds, dspcd (for PXM and for the slot the error is found), dspver, dsperr, ls C:/FW before calling the Cisco Technical support representative.

## SSI-6-RESETDUMPTRACE

SEVERITY:	Notice
FORMAT:	"A function trace dump is available from the last reset."
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"A function trace dump has been saved which contains a trace of the operations being done before the current reset. If the reset was a watchdog timeout then this information will indicate what was happening when the watchdog occurred."
RECOMMENDED ACTION:	No action required
REQUIRED INFO	No Required Info

## SSI-3-EXCEPTION

SEVERITY:	Minor Alert
FORMAT:	"Software Exception Vector %d EPC 0x%08x ADDR 0x%08x."
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"A software exception has occurred. The vector number specifies the type of exception. The EPC is the program counter of the failing instruction. The address field is the address that was attempted to be accessed if a load or store TLB or Address exception. See the associated error log for additional information of the exception state."
RECOMMENDED ACTION:	"The software automatically takes the configured recovery action. The recovery actions are configured depending on the module that has taken the exception. If the card on which the exception occurred is not reset, check the status of the card using the command to display the cards' status. If the display indicates that the card is in FAILED state, the module that has taken the exception is no longer available to provide the module's functionality and hence, the card is

REQUIRED INFO

in degraded mode. In this situation the card doesn't have its redundancy available. Try to bring up its redundant card. If the its Standby successfully comes up, there will be an automatic switchover to the healthy Standby. If its redundancy could not be brought up, then, the card that is in FAILED state should be reset to recover from the failure."

"If the card was reset automatically, core may have been dumped on the hard disk of the Active controller card. If the core was dumped, collect the core. If the card was not reset, call TAC to reset the card in such a way that core would be dumped. Collect the event and error logs."

## SSI-4-ISRNOTCALLABLE

SEVERITY: Error

FORMAT: "Function %s cannot be called by Interrupt Service Routine."

FLAG: No Flag

THROTTLING One Tick

EXPLANATION: "The named function was called by an interrupt service routine and it cannot perform any blocking function calls. The consequences of this error depend on the function that was called and ISR that called the function."

RECOMMENDED ACTION: "Report the error to TAC."

REQUIRED INFO "Collect event and error logs."

## SSI-4-ISRNOTCLBLEPC

SEVERITY: Error

FORMAT: "At PC 0x%x Function %s called by ISR."

FLAG: No Flag

THROTTLING One Tick

EXPLANATION: "The named function was called by an interrupt service routine at specified PC and it cannot perform any blocking function calls. The consequences of this error depend on the function that was called and ISR that called the function."

RECOMMENDED ACTION: "Report the error to TAC."

REQUIRED INFO "Collect event and error logs."

## SSI-4-TBLSEMTAKEFAIL

SEVERITY: Error

FORMAT: "Unable to take Vx semaphore %p protecting %s table. Errno=%x"

FLAG: No Flag

THROTTLING One Tick

EXPLANATION: "The VxWorks semaphore used to protect the specified system table

was not able to be taken. SSI may not be initialize properly or it could be due to memory corruption. The result of this error depends on the function that was being performed."

RECOMMENDED ACTION: "Look for events logged subsequent to this event to determine the consequences of this event. If this error occurred on an Active card, try to switchover. If this error occurred on a Standby card, reset the Standby card."

REQUIRED INFO "If this event was logged on a controller card, take a hot-dump of the core. If this event was logged for a Service Module, call TAC to take the core dump while resetting. Collect event and error logs."

## SSI-5-OBJCREATENOMEM

SEVERITY: Warning

FORMAT: "%s creation failed due to memory shortage in VxWorks partition."

FLAG: No Flag

THROTTLING One Tick

EXPLANATION: "Creation of a VxWorks object failed due to a memory shortage in the VxWorks system memory partition."

RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO No Required Info

## SSI-5-SEMTBLFULL

SEVERITY: Warning

FORMAT: "The system semaphore table is full. All %d entries are used."

FLAG: No Flag

THROTTLING One Tick

EXPLANATION: "The system semaphore table is full. There are no more entries available to create a SSI\_SEMID. The system limit needs to be increased or dynamically created semaphores are not being deleted."

RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO No Required Info

## SSI-4-SEMDAINVALID

SEVERITY:	Error
FORMAT:	"Deadlock action %d is invalid to create SSI semaphore."
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"An invalid deadlock action value was passed in as an argument to create a SSI semaphore."
RECOMMENDED ACTION:	"Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."
REQUIRED INFO	"Collect event and error logs."

## SSI-4-SEMTYPEINVALID

SEVERITY:	Error
FORMAT:	"Sem Type %d is invalid to create SSI semaphore."
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"An invalid semaphore type value was passed in as an argument to create a SSI semaphore."
RECOMMENDED ACTION:	"Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."
REQUIRED INFO	"Collect event and error logs."

## SSI-4-SEMOPTINVALID

SEVERITY:	Error
FORMAT:	"Sem Option %d is invalid to create SSI semaphore of type %d."
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"An invalid semaphore option value was passed in as an argument to create a SSI semaphore."
RECOMMENDED ACTION:	"Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."
REQUIRED INFO	"Collect event and error logs."

## SSI-4-SEMSTATEINVALID

SEVERITY:	Error
FORMAT:	"Sem Initial State %d is invalid to create SSI semaphore."
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"An invalid semaphore initial state value was passed in as an

argument to create a SSI semaphore."

RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."

REQUIRED INFO "Collect event and error logs."

## SSI-5-SEMCREATEFAIL

SEVERITY: Warning

FORMAT: "Semaphore creation failed. Errno=%x."

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION: "Creation of a semaphore failed unexpectedly."

RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO No Required Info

## SSI-4-SEMIDINVALID

SEVERITY: Error

FORMAT: "An invalid SSI\_SEMID of %p was passed as an argument."

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION: "An invalid SSI semaphore id was passed in as an argument into the function. The SSI\_SEMID is in the incorrect format."

RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."

REQUIRED INFO "Collect event and error logs."

## SSI-5-SEMIDDELETED

SEVERITY: Warning

FORMAT: "SSI\_SEMID %p was deleted and no longer exists."

FLAG: No Flag

THROTTLING One Tick

EXPLANATION: "The SSI semaphore id that was passed in as an argument is no longer valid. The SSI\_SEMID probably has been deleted."

RECOMMENDED ACTION: No action required

REQUIRED INFO No Required Info

## SSI-5-SEMDELUNOWN

SEVERITY:	Warning
FORMAT:	"SSI_SEMID %p is being deleted and is owned by another task %p."
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"The SSI semaphore id that is being deleted is not owned by the deleting task and could be owned by another task. A mutual exclusion semaphore should be taken before deletion."
RECOMMENDED ACTION:	No action required
REQUIRED INFO	No Required Info

## SSI-4-SEMDELFAIL

SEVERITY:	Error
FORMAT:	"Delete of semaphore %p for SSI_SEMID %p failed. Errno=%x"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"The deletion of VxWorks semaphore used to implement the SSI_SEMID failed unexpectedly. Memory resources may have been lost."
RECOMMENDED ACTION:	"Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."
REQUIRED INFO	"Take core dump. Collect event and error logs."

## SSI-4-SEMTAKEFAIL

SEVERITY:	Error
FORMAT:	"Take of semaphore %p for SSI_SEMID %p failed. Errno=%x"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"The Take of VxWorks semaphore used to implement the SSI_SEMID failed unexpectedly. This could be due to memory corruption."
RECOMMENDED ACTION:	"If this problem persists, reset the card."
REQUIRED INFO	"Take core dump. Collect event and error logs."

## SSI-4-SEMGIVEUNOWN

SEVERITY:	Error
FORMAT:	"SSI_SEMID %p is not owned by giving task. It is owned by task %p."
FLAG:	Stack Trace
THROTTLING	One Tick

EXPLANATION: "The SSI semaphore id that is being given is not owned by the giving task and mutual exclusion semaphore can only be given by the owning task."

RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."

REQUIRED INFO "Collect event and error logs."

## SSI-4-SEMGIVEFAIL

SEVERITY: Error

FORMAT: "Give of semaphore %p for SSI\_SEMID %p failed. Errno=%x"

FLAG: No Flag

THROTTLING One Tick

EXPLANATION: "The Give of VxWorks semaphore used to implement the SSI\_SEMID failed unexpectedly. This could be due to memory corruption."

RECOMMENDED ACTION: "If this problem persists, reset the card."

REQUIRED INFO "Take core dump. Collect event and error logs."

## SSI-4-SEMFLUSHINV

SEVERITY: Error

FORMAT: "SSI\_SEMID %p cannot be flushed - operation invalid."

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION: "The SSI semaphore id that is being flushed does not support the flush operation and should not be called."

RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."

REQUIRED INFO "Collect event and error logs."

## SSI-4-SEMFLUSHFAIL

SEVERITY: Error

FORMAT: "Flush of semaphore %p for SSI\_SEMID %p failed. Errno=%x"

FLAG: No Flag

THROTTLING One Tick

EXPLANATION: "The Give of VxWorks semaphore used to implement the SSI\_SEMID failed unexpectedly. This could be due to memory corruption."

RECOMMENDED ACTION: "If this problem persists, reset the card."

REQUIRED INFO "Take core dump. Collect event and error logs."

## SSI-5-MQTBFULL

SEVERITY:	Warning
FORMAT:	"The system message queue table is full. All %d entries are used."
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"The system message queue table is full. There are no more entries available to create a SSI_MQID. The system limit needs to be increased or dynamically created message queues are not being deleted."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	No Required Info

## SSI-4-MQMAXINVALID

SEVERITY:	Error
FORMAT:	"Max messages value %d is invalid to create SSI message queue."
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"An invalid maximum number messages in the message queue was passed in as an argument to create a SSI message queue."
RECOMMENDED ACTION:	"Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."
REQUIRED INFO	"Collect event and error logs."

## SSI-4-MQMLENINVALID

SEVERITY:	Error
FORMAT:	"Message length %d is invalid to create SSI message queue."
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"An invalid message length value was passed in as an argument to create a SSI message queue."
RECOMMENDED ACTION:	"Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."
REQUIRED INFO	"Collect event and error logs."

## SSI-4-MQOWNERINVALID

SEVERITY:	Error
FORMAT:	"Owning Task %p is invalid to create SSI message queue."
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"An invalid owner task id value was passed in as an argument to create a SSI message queue."
RECOMMENDED ACTION:	"Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."
REQUIRED INFO	"Collect event and error logs."

## SSI-4-MQOWNERNOTEXIST

SEVERITY:	Error
FORMAT:	"Owning Task %p does not exist to own created SSI message queue."
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"An non existent owner task id value was passed in as an argument to create a SSI message queue."
RECOMMENDED ACTION:	"Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."
REQUIRED INFO	"Collect event and error logs."

## SSI-5-MQCREATEFAIL

SEVERITY:	Warning
FORMAT:	"Message Queue creation failed. Errno=%x."
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"Creation of a message queue failed unexpectedly."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	No Required Info

## SSI-5-MQSEMCRTRFAIL

SEVERITY:	Warning
FORMAT:	"Creation of sync semaphore for SSI_MQID failed. Errno=%x"

FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "The creation of VxWorks semaphore used to synchronize multiple SSI\_MQID message queues failed unexpectedly."  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.  
 REQUIRED INFO No Required Info

## SSI-5-MQIDINVALID

SEVERITY: Warning  
 FORMAT: "An invalid SSI\_MQID of %p was passed as an argument."  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "An invalid SSI message queue id was passed in as an argument into the function. The SSI\_MQID is in the incorrect format."  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.  
 REQUIRED INFO No Required Info

## SSI-5-MQIDDELETED

SEVERITY: Warning  
 FORMAT: "SSI\_MQID %p was deleted and no longer exists."  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "The SSI message queue id that was passed in as an argument is no longer valid. The SSI\_MQID probably has been deleted."  
 RECOMMENDED ACTION: No action required  
 REQUIRED INFO No Required Info

## SSI-4-MQQUOTAINVALID

SEVERITY: Error  
 FORMAT: "Message queue quota value %d is invalid for SSI\_MQID %p."  
 FLAG: Stack Trace

THROTTLING One Tick  
 EXPLANATION: "An invalid message queue quota value was passed in as an argument to set the quota on a SSI message queue."  
 RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."  
 REQUIRED INFO "Collect event and error logs."

## SSI-4-MQSEMDELFAIL

SEVERITY: Error  
 FORMAT: "Delete of sync semaphore %p for SSI\_MQID %p failed. Errno=%x"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "The deletion of VxWorks semaphore used to synchronize multiple SSI\_MQID message queues failed unexpectedly. Memory resources may have been lost."  
 RECOMMENDED ACTION: "If this problem persists, reset the card."  
 REQUIRED INFO "Take core dump. Collect event and error logs."

## SSI-4-MQDELFAIL

SEVERITY: Error  
 FORMAT: "Delete of message queue %p for SSI\_MQID %p failed. Errno=%x"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "The deletion of VxWorks message queue used to implement the SSI\_MQID failed unexpectedly. Memory resources may have been lost."  
 RECOMMENDED ACTION: "If this problem persists, reset the card."  
 REQUIRED INFO "Take core dump. Collect event and error logs."

## SSI-4-MQFLSHRECFAIL

SEVERITY: Error  
 FORMAT: "Receive to flush Vx Message Queue %p failed. Errno=%x."  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "The receive on the VxWorks message queue to flush it failed unexpectedly. It could have been corrupted or deleted unexpectedly"  
 RECOMMENDED ACTION: "If this problem persists, reset the card."  
 REQUIRED INFO "Take core dump. Collect event and error logs."

## SSI-4-MQSENDLENINV

SEVERITY:	Error
FORMAT:	"Message length of %d to send to SSI_MQID %p is invalid."
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"An invalid message length value was passed in as an argument to send message to a SSI message queue."
RECOMMENDED ACTION:	"Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."
REQUIRED INFO	"Collect event and error logs."

## SSI-4-MQSENDFAIL

SEVERITY:	Error
FORMAT:	"Send to Vx msgQ %p for SSI_MQID %p failed. Errno=%x"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"The send to VxWorks message queue used to implement the SSI_MQID failed unexpectedly."
RECOMMENDED ACTION:	"If this problem persists, reset the card."
REQUIRED INFO	"Take core dump. Collect event and error logs."

## SSI-4-MQSEMGIVEFAIL

SEVERITY:	Error
FORMAT:	"Give of sync semaphore %p for SSI_MQID %p failed. Errno=%x"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"The give of VxWorks semaphore used to synchronize multiple SSI_MQID message queues failed unexpectedly."
RECOMMENDED ACTION:	"If this problem persists, reset the card."
REQUIRED INFO	"Take core dump. Collect event and error logs."

## SSI-4-MQISRSENDNZTO

SEVERITY:	Error
FORMAT:	"Send to SSI_MQID %p was done with timeout %d by ISR."
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"The send to message queue was done by an Interrupt Service Routine with a non zero timeout value. ISRs cannot block."
RECOMMENDED ACTION:	"Report the error to TAC."

REQUIRED INFO "Collect event and error logs."

## SSI-4-MQRECVLENINV

SEVERITY: Error  
 FORMAT: "Message length of %d to receive from SSI\_MQID %p is invalid."  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "An invalid message length value was passed in as an argument to receive message from a SSI message queue."  
 RECOMMENDED ACTION: "Report the error to TAC."  
 REQUIRED INFO "Collect event and error logs."

## SSI-4-MQRECVFAIL

SEVERITY: Error  
 FORMAT: "Receive from Vx msgQ %p for SSI\_MQID %p failed. Errno=%x"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "The receive from VxWorks message queue used to implement the SSI\_MQID failed unexpectedly."  
 RECOMMENDED ACTION: "If this problem persists, reset the card."  
 REQUIRED INFO "Take core dump. Collect event and error logs."

## SSI-4-MQSEMTAKEFAIL

SEVERITY: Error  
 FORMAT: "Take of sync semaphore %p for SSI\_TID %p failed. Errno=%x"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "The give of VxWorks semaphore used to synchronize multiple SSI\_MQID message queues failed unexpectedly."  
 RECOMMENDED ACTION: "If this problem persists, reset the card."  
 REQUIRED INFO "Take core dump. Collect event and error logs."

## SSI-4-MQHNDLRINVALID

SEVERITY: Error  
 FORMAT: "Msg Handler %p is invalid to process msg for SSI\_MQID %p."  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "An invalid message handler function pointer value was passed in

as an argument to create a SSI message queue that requires a message handler."

RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."

REQUIRED INFO "Collect event and error logs."

## SSI-5-MQHNDLRFAIL

SEVERITY: Warning

FORMAT: "Msg Handler %p failed processing msg for SSI\_MQID %p. Errno=%x"

FLAG: No Flag

THROTTLING One Tick

EXPLANATION: "The message handler function returned failure while processing a message received in the SSI message queue."

RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO No Required Info

## SSI-4-MQNUMMSGFAIL

SEVERITY: Error

FORMAT: "Get num of msg in Vx msgQ %p for SSI\_MQID %p failed. Errno=%x"

FLAG: No Flag

THROTTLING One Tick

EXPLANATION: "Getting the number of messages in the VxWorks message queue used to implement the SSI\_MQID failed unexpectedly."

RECOMMENDED ACTION: "If this problem persists, reset the card."

REQUIRED INFO "Take core dump. Collect event and error logs."

## SSI-4-MQINFOPTRINV

SEVERITY: Error

FORMAT: "Msg Info Ptr %p is invalid to get info SSI\_MQID %p."

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION: "An invalid message info structure pointer value was passed in as an argument to get SSI message queue information."

RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the

REQUIRED INFO actions recommended for those events. Report the error the TAC."  
"Collect event and error logs."

## SSI-4-MQINFOFAIL

SEVERITY: Error  
 FORMAT: "Get info about Vx msgQ %p for SSI\_MQID %p failed. Errno=%x"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "Getting the information about the VxWorks message queue used to implement the SSI\_MQID failed unexpectedly."  
 RECOMMENDED ACTION: "If this problem persists, reset the card."  
 REQUIRED INFO "Take core dump. Collect event and error logs."

## SSI-5-TASKBLFULL

SEVERITY: Warning  
 FORMAT: "The system task table is full. All %d entries are used."  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "The system task table is full. There are no more entries available to create a SSI\_TID. The system limit needs to be increased or dynamically created tasks are not being deleted."  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.  
 REQUIRED INFO No Required Info

## SSI-4-TASKSEMGIVEFAIL

SEVERITY: Error  
 FORMAT: "Give of sync semaphore %p for SSI\_TID %p failed. Errno=%x"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "The give of VxWorks semaphore used to synchronize child SSI\_TID initialization status with spawning parent failed unexpectedly."  
 RECOMMENDED ACTION: "If this problem persists, reset the card."  
 REQUIRED INFO "Take core dump. Collect event and error logs."

## SSI-5-TASKINITPTO

SEVERITY:	Warning
FORMAT:	"SSI_TID %p unable to send init status because parent timed-out."
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"The child SSI_TID was unable to send its initialization status to the spawning parent task as the parent timed-out and is no longer waiting for the child status."
RECOMMENDED ACTION:	No action required
REQUIRED INFO	No Required Info

## SSI-5-TASKINITFAIL

SEVERITY:	Warning
FORMAT:	"SSI_TID %p initialization failed. Errno=%x - Task suspended."
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"The SSI_TID failed to initialize properly and was suspended to prevent further errors."
RECOMMENDED ACTION:	No action required
REQUIRED INFO	No Required Info

## SSI-4-TASKIDINVALID

SEVERITY:	Error
FORMAT:	"An invalid SSI_TID of %p was passed as an argument."
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"An invalid SSI task id was passed in as an argument into the function. The SSI_TID is in the incorrect format."
RECOMMENDED ACTION:	"Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."
REQUIRED INFO	"Collect event and error logs."

## SSI-5-TASKIDDELETED

SEVERITY:	Warning
FORMAT:	"SSI_TID %p was deleted and no longer exists."
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"The SSI task id that was passed in as an argument is no longer valid. The SSI_TID probably has been deleted."

RECOMMENDED ACTION: No action required  
 REQUIRED INFO No Required Info

## SSI-4-TASKDEFAIL

SEVERITY: Error  
 FORMAT: "Delete of task %p for SSI\_TID %p failed. Errno=%x"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "The deletion of VxWorks task used to implement the SSI\_TID failed unexpectedly. Memory resources may have been lost."  
 RECOMMENDED ACTION: "If this problem persists, reset the card."  
 REQUIRED INFO "Take core dump. Collect event and error logs."

## SSI-5-TASKDELSAFE

SEVERITY: Warning  
 FORMAT: "SSI\_TID %p is safe from deletion and is suspended."  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "The SSI task id that was passed in as an argument is safe from being deleted and it is also suspended. Task may have suspended on an exception after taking a task safe mutual exclusion semaphore. Call to delete task is failed rather than cause hang condition to caller."  
 RECOMMENDED ACTION: No action required  
 REQUIRED INFO No Required Info

## SSI-5-TASKFORCEDESTRO

SEVERITY: Warning  
 FORMAT: "task destroy forced tid=0x%x caller=0x%x safeCnt=%d"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "A task was destroyed regardless whether it was delete safe or not. It should be exceptional to do so. Deleting a task which is delete safe is potentially dangerous so it should only be done when there is no other choice."  
 RECOMMENDED ACTION: No action required  
 REQUIRED INFO No Required Info

## SSI-4-TASKRESUMEFAIL

SEVERITY:	Error
FORMAT:	"Resume of task %p for SSI_TID %p failed. Errno=%x"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"The resumption of VxWorks task used to implement the SSI_TID failed unexpectedly."
RECOMMENDED ACTION:	"If this problem persists, reset the card."
REQUIRED INFO	"Take core dump. Collect event and error logs."

## SSI-4-TASKSUSPENDFAIL

SEVERITY:	Error
FORMAT:	"Suspend of task %p for SSI_TID %p failed. Errno=%x"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"The suspension of VxWorks task used to implement the SSI_TID failed unexpectedly."
RECOMMENDED ACTION:	"If this problem persists, reset the card."
REQUIRED INFO	"Take core dump. Collect event and error logs."

## SSI-5-TASKSUSPENDSAFE

SEVERITY:	Warning
FORMAT:	"SSI_TID %p is safe from deletion could be holding semaphores."
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"The SSI task id that was passed in as an argument is safe from being deleted. The task may be holding a mutual exclusion semaphore and should not be suspended. Suspension could result in a deadlock of the system. Suspension is failed rather than cause hang condition to system."
RECOMMENDED ACTION:	No action required
REQUIRED INFO	No Required Info

## SSI-4-TASKRESTARTFAIL

SEVERITY:	Error
FORMAT:	"Restart of task %p for SSI_TID %p failed to %s. Errno=%x"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"The restart of VxWorks task used to implement the SSI_TID failed

unexpectedly."

RECOMMENDED ACTION: "If this problem persists, reset the card."

REQUIRED INFO "Take core dump. Collect event and error logs."

## SSI-4-TASKPRIOINVALID

SEVERITY: Error

FORMAT: "Task priority value %d is invalid to create SSI task."

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION: "An invalid task priority number was passed in as an argument to create a SSI task."

RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."

REQUIRED INFO "Collect event and error logs."

## SSI-4-TASKPGRPINVALID

SEVERITY: Error

FORMAT: "Task priority group %d is invalid to create SSI task."

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION: "An invalid task priority group was passed in as an argument to create a SSI task."

RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."

REQUIRED INFO "Collect event and error logs."

## SSI-4-TASKAPPLINVALID

SEVERITY: Error

FORMAT: "Task application id value %d is invalid to create SSI task."

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION: "An invalid task application id value was passed in as an argument to create a SSI task."

RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."

REQUIRED INFO "Collect event and error logs."

## SSI-4-TASKSTKSIZEINV

SEVERITY: Error

FORMAT:	"Task stack size value %d is invalid to create SSI task."
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"An invalid task stack size value was passed in as an argument to create a SSI task."
RECOMMENDED ACTION:	"Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."
REQUIRED INFO	"Collect event and error logs."

## SSI-4-TASKSUSPACTINV

SEVERITY:	Error
FORMAT:	"Task suspended action value %d is invalid to create SSI task."
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"An invalid task suspend action value was passed in as an argument to create a SSI task."
RECOMMENDED ACTION:	"Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."
REQUIRED INFO	"Collect event and error logs."

## SSI-4-TASKFAILACTINV

SEVERITY:	Error
FORMAT:	"Task fail action value %d is invalid to create SSI task."
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"An invalid task fail action value was passed in as an argument to create a SSI task."
RECOMMENDED ACTION:	"Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."
REQUIRED INFO	"Collect event and error logs."

## SSI-5-TASKSEMCRFAIL

SEVERITY:	Warning
FORMAT:	"Creation of sync semaphore for SSI_TID failed. Errno=%x"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"The creation of VxWorks semaphore used to synchronize SSI_TID initialization with parent failed unexpectedly."
RECOMMENDED ACTION:	"If this problem persists, reset the card."
REQUIRED INFO	"Take core dump. Collect event and error logs."

## SSI-5-TASKSPAWNFAIL

SEVERITY:	Warning
FORMAT:	"Task spawn failed. Errno=%x."
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"Spawning of a task failed unexpectedly."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	No Required Info

## SSI-5-TASKINITACKTO

SEVERITY:	Warning
FORMAT:	"SSI_TID %p timed out initialization of child SSI_TID %p."
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"The parent SSI_TID timed out the send of initialization status from the child task. Either child task had problems or didn't wait long enough."
RECOMMENDED ACTION:	No action required
REQUIRED INFO	No Required Info

## SSI-4-TASKWACKFAIL

SEVERITY:	Error
FORMAT:	"Failed to wait for init status from child SSI_TID %p. Errno=%x"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"The parent SSI_TID was unable to wait for the send of initialization status from the child task."
RECOMMENDED ACTION:	"If this problem persists, reset the card."
REQUIRED INFO	"Take core dump. Collect event and error logs."

## SSI-5-TASKDELMQOWN

SEVERITY:	Warning
FORMAT:	"SSI_TID %p is being deleted and still owns message queues."
FLAG:	No Flag
THROTTLING	One Tick

EXPLANATION: "The SSI task id that is being deleted still owns message queues. These message queues should be deleted before the task is deleted if the task is not being recovered."

RECOMMENDED ACTION: No action required

REQUIRED INFO No Required Info

## SSI-4-INVPPARTPTR

SEVERITY: Error

FORMAT: "The private partition structure has not been allocated."

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION: "The private partition structure which holds information about the partitions has not been allocated. This indicates a software problem (ssiMemPartInit has not been called, or the pointer has been overwritten)."

RECOMMENDED ACTION: "If this problem persists, reset the card."

REQUIRED INFO "Take core dump. Collect event and error logs."

## SSI-4-THREPART

SEVERITY: Error

FORMAT: "Attempted to create %d partitions (only 3 allowed)."

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION: "An attempt was made to create an invalid number of partitions. This indicates a software problem."

RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."

REQUIRED INFO "Collect event and error logs."

## SSI-5-MALLOC

SEVERITY: Warning

FORMAT: "Could not create partition info structure (errno %d)."

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION: "An error was returned by malloc when attempting to allocate the partition info structure."

RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative

REQUIRED INFO and provide the representative with the gathered information.  
No Required Info

## SSI-5-NOSEMAPHORE

SEVERITY: Warning  
 FORMAT: "Could not create a semaphore to partition %d (errno %d)."  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "An error was returned by semBCreate when attempting to create a semaphore."  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.  
 REQUIRED INFO No Required Info

## SSI-4-INVTYPE

SEVERITY: Error  
 FORMAT: "The requested memory type is invalid %d."  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "An attempt was made to allocate memory with a memory type parameter that is invalid. This indicates a software problem"  
 RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."  
 REQUIRED INFO "Collect event and error logs."

## SSI-4-INVOPTION

SEVERITY: Error  
 FORMAT: "The requested options flag is invalid %d."  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "An attempt was made to allocate memory with an options flag parameter that is invalid. This indicates a software problem."  
 RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."  
 REQUIRED INFO "Collect event and error logs."

## SSI-4-ZEROSIZE

SEVERITY:	Error
FORMAT:	"A request for 0 bytes was made."
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"An attempt was made to allocate 0 bytes. This indicates a software problem."
RECOMMENDED ACTION:	"Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."
REQUIRED INFO	"Collect event and error logs."

## SSI-4-INVLENGTH

SEVERITY:	Error
FORMAT:	"The requested length %d is greater than partition 0x%x size %d."
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"An attempt was made to allocate more memory than what is allocated for the partition."
RECOMMENDED ACTION:	"Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."
REQUIRED INFO	"Collect event and error logs."

## SSI-5-BELOWTHRES

SEVERITY:	Warning
FORMAT:	"The number of free bytes %d is below the set threshold %d for partition %d."
FLAG:	Stack Trace
THROTTLING	One Second
EXPLANATION:	"While attempting to allocate low priority memory, the number of free bytes is below the set threshold."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	No Required Info

## SSI-6-CROSSTHRES

SEVERITY:	Notice
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FORMAT: "Memory Partition %d crossed %s threshold of %d bytes. State %s"  
 FLAG: No Flag  
 THROTTLING No Throttling  
 EXPLANATION: "The memory partition specified has crossed a a threshold value that generates events to applications. The resulting state is indicated."  
 RECOMMENDED ACTION: No action required  
 REQUIRED INFO No Required Info

## SSI-5-NOPARTITION

SEVERITY: Warning  
 FORMAT: "Could not allocate %d bytes from partition 0x%x (errno %d)."  
 FLAG: Stack Trace  
 THROTTLING One Second  
 EXPLANATION: "An error was returned by memPartAlloc while attempting to allocate memory."  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.  
 REQUIRED INFO No Required Info

## SSI-5-NOTOWNER

SEVERITY: Warning  
 FORMAT: "Task %s(0x%x) is not the owner of block 0x%x. Owner=%s(0x%0x)"  
 FLAG: Stack Trace | Run Log Function  
 THROTTLING One Tick  
 EXPLANATION: "A process that is not the owner of allocated memory is attempting to deallocate the memory. This indicates a software error."  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.  
 REQUIRED INFO No Required Info

## SSI-5-FREESTATICWARN

SEVERITY: Warning  
 FORMAT: "Static Memory allocated by Task %s(0x%x) at 0x%x is being freed."

FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"A process that is not the owner of allocated memory is attempting to deallocate the memory. This indicates a software error."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	No Required Info

## SSI-5-MEMPARTCREATE

SEVERITY:	Warning
FORMAT:	"An error was returned trying to create the partition 0x%x (errno %d)"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"An error was returned by memPartCreate while attempting to create the specified partition."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	No Required Info

## SSI-5-MEMPARTFREE

SEVERITY:	Warning
FORMAT:	"An error was returned trying to deallocate memory block at 0x%x (errno %d)"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"An error was returned by memPartFree while attempting to deallocate memory."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	No Required Info

## SSI-4-MEMBLKERROR

SEVERITY:	Error
FORMAT:	"Memory Block Error %s value 0x%x block %p in %s."
FLAG:	Stack Trace   Run Log Function
THROTTLING	No Throttling
EXPLANATION:	"The memory check routine has found an error as described in the message."
RECOMMENDED ACTION:	"If this problem persists, reset the card."
REQUIRED INFO	"Take core dump. Collect event and error logs."

## SSI-4-STRANGEADDR

SEVERITY:	Error
FORMAT:	"The memory address 0x%x is not within any of the partitions."
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"The memory address is not within any of the partitions. This indicates a bad address or possible corruption of the memory partition structure."
RECOMMENDED ACTION:	"If this problem persists, reset the card."
REQUIRED INFO	"Take core dump. Collect event and error logs."

## SSI-4-CKINVWRDADD2

SEVERITY:	Error
FORMAT:	"Invalid memory block address 0x%x (not on a word boundary)."
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"The memory block address is not on a word boundary"
RECOMMENDED ACTION:	"If this problem persists, reset the card."
REQUIRED INFO	"Take core dump. Collect event and error logs."

## SSI-4-INVMEMTYPE

SEVERITY:	Error
FORMAT:	"Invalid memory type %d for memory block at 0x%x."
FLAG:	Dump Trace   Stack Trace   Run Log Function
THROTTLING	One Tick
EXPLANATION:	"The memory type stored in the header of the block is wrong. This indicates that the header has been corrupted or is invalid."
RECOMMENDED ACTION:	"If this problem persists, reset the card."
REQUIRED INFO	"Take core dump. Collect event and error logs."

## SSI-4-INVLENGTH1

SEVERITY:	Error
FORMAT:	"Invalid length for memory block at 0x%x owner 0x%x caller 0x%x."
FLAG:	Stack Trace   Run Log Function
THROTTLING	One Tick
EXPLANATION:	"The length stored by VxWorks is wrong. This indicates that memory has been corrupted."
RECOMMENDED ACTION:	"If this problem persists, reset the card."
REQUIRED INFO	"Take core dump. Collect event and error logs."

## SSI-4-INVMAGICCOOKIE

SEVERITY:	Error
FORMAT:	"Invalid magic number 0x%x for memory block at 0x%x owner 0x%x caller 0x%x."
FLAG:	Stack Trace   Run Log Function
THROTTLING	One Tick
EXPLANATION:	"The magic number stored at the end of the block is wrong. This indicates that memory has been corrupted."
RECOMMENDED ACTION:	"If this problem persists, reset the card."
REQUIRED INFO	"Take core dump. Collect event and error logs."

## SSI-4-INVREFCOUNT

SEVERITY:	Error
FORMAT:	"Memory block at 0x%x is not allocated (reference count = 0)"
FLAG:	Stack Trace   Run Log Function
THROTTLING	One Tick
EXPLANATION:	"The reference count for the block is 0. This indicates that the block has already been freed."
RECOMMENDED ACTION:	"Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."
REQUIRED INFO	"Collect event and error logs."

## SSI-4-INVVXWORKPART

SEVERITY:	Error
FORMAT:	"Invalid partition index %d for memory block at 0x%x"
FLAG:	Stack Trace   Run Log Function
THROTTLING	One Tick
EXPLANATION:	"The partition index in the header is invalid. This block was allocated from the VxWorks memory heap and this should be \"ab1ebeeF\"."

This indicates that the header has been corrupted or is invalid."

RECOMMENDED ACTION: "If this problem persists, reset the card."

REQUIRED INFO "Take core dump. Collect event and error logs."

## SSI-4-INVPARTINDEX

SEVERITY: Error  
 FORMAT: "Invalid partition index %d for memory block at 0x%x"  
 FLAG: Stack Trace | Run Log Function  
 THROTTLING One Tick  
 EXPLANATION: "The partition index in the header is invalid. This indicates that the header has been corrupted or is invalid."  
 RECOMMENDED ACTION: "If this problem persists, reset the card."  
 REQUIRED INFO "Take core dump. Collect event and error logs."

## SSI-5-DOWNSTATIC

SEVERITY: Warning  
 FORMAT: "Not enough memory in the dynamic pool for %d bytes, trying static"  
 FLAG: Stack Trace  
 THROTTLING One Second  
 EXPLANATION: "The dynamic partition does not have enough space to allocate the specified number of bytes. The software will try to allocate the the space from the static partition."  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.  
 REQUIRED INFO No Required Info

## SSI-5-DOWNVXWORKS

SEVERITY: Warning  
 FORMAT: "Not enough memory in the static pool for %d bytes, trying VxWorks' heap"  
 FLAG: Stack Trace  
 THROTTLING One Second  
 EXPLANATION: "The static partition does not have enough space to allocate the specified number of bytes. The software will try to allocate the the space from the VxWorks heap."  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may

provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO No Required Info

## SSI-4-INVPARTADDR

SEVERITY: Error  
 FORMAT: "Invalid address 0x%x for partition %d (start0x%x length0x%x)"  
 FLAG: Stack Trace | Run Log Function  
 THROTTLING One Tick  
 EXPLANATION: "The address is not within the range of the partition stored in the header. This indicates that the header has been corrupted or is invalid."

RECOMMENDED ACTION: "If this problem persists, reset the card."

REQUIRED INFO "Take core dump. Collect event and error logs."

## SSI-5-CHECKFREEBLOCK

SEVERITY: Warning  
 FORMAT: "FREEBLOCK Overwritten. Part %d Block %x Addr %x (%x %x)."  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "The unused section of a block on the freeQ was over-written. Somebody has a rogue pointer."

RECOMMENDED ACTION: No action required

REQUIRED INFO No Required Info

## SSI-5-FILLCHECKSEMFAI

SEVERITY: Warning  
 FORMAT: "Fill Check Mode - Take Semaphore Failure. Check Mode Disabled."  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "The memory fill check system could not take the semaphore, Fill Check mode turned off."

RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO No Required Info

## SSI-5-TIMERTBLFULL

SEVERITY:	Warning
FORMAT:	"The system timer table is full. All %d entries are used."
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"The system timer table is full. There are no more entries available to create a SSI_TIMERID. The system limit needs to be increased or dynamically created tasks are not being deleted."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	No Required Info

## SSI-4-TIMERHANDLER

SEVERITY:	Error
FORMAT:	"Attempt to create a system timer with invalid handler."
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"An attempt was made to create a system timer with an invalid handler function."
RECOMMENDED ACTION:	"Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."
REQUIRED INFO	"Collect event and error logs."

## SSI-4-TIMERNOCREATE

SEVERITY:	Error
FORMAT:	"Unable to create Vx POSIX timer. Errno=%x"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"An attempt to create a Vx POSIX timer failed. ssi timers may not be initialize properly."
RECOMMENDED ACTION:	"Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."
REQUIRED INFO	"Collect event and error logs."

## SSI-4-TIMERNOCONNECT

SEVERITY:	Error
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FORMAT: "Unable to connect handler function to Vx POSIX timer. Errno=%x"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "An attempt to create a Vx POSIX timer failed. ssi timers may not be initialize properly."  
 RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."  
 REQUIRED INFO "Collect event and error logs."

## SSI-4-TIMERNOCANCEL

SEVERITY: Error  
 FORMAT: "Unable to cancel Vx POSIX timer. Vx Timer=%x"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "An attempt to cancel a Vx POSIX timer failed. ssi timers may not be initialize properly."  
 RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."  
 REQUIRED INFO "Collect event and error logs."

## SSI-4-TIMERNODELETE

SEVERITY: Error  
 FORMAT: "Unable to delete Vx POSIX timer. Vx Timer=%x"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "An attempt to delete a Vx POSIX timer failed. ssi timers may not be initialize properly."  
 RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."  
 REQUIRED INFO "Collect event and error logs."

## SSI-4-TIMERINVALIDID

SEVERITY: Error  
 FORMAT: "SSI function called with invalid ID. SSI Timer=%x"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "An ssi function was called with an invalid timer ID. ssi timers may not be initialize properly."  
 RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."

REQUIRED INFO "Collect event and error logs."

## SSI-4-TIMERINVALIDENT

SEVERITY: Error  
 FORMAT: "SSI function called with invalid entry. SSI Timer=%x Vx Timer=%x"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "An ssi function was called for an invalid timer entry. ssi timers may not be initialize properly."  
 RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."  
 REQUIRED INFO "Collect event and error logs."

## SSI-4-TIMERINVALIDTSK

SEVERITY: Error  
 FORMAT: "Attempt to manipulate timer by non-owning task. SSI Timer=%x Task=%x"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "An ssi function was called to operate on a timer entry by a non-owning task. ssi timers may not be initialize properly."  
 RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."  
 REQUIRED INFO "Collect event and error logs."

## SSI-4-TIMERINVALIDVAL

SEVERITY: Error  
 FORMAT: "Function called with invalid time value. Time val=%x"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "An ssi function was called with an invalid timer value. ssi timers may not be initialize properly."  
 RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."  
 REQUIRED INFO "Collect event and error logs."

## SSI-4-TIMERNOSSETGET

SEVERITY: Error  
 FORMAT: "An attempt to set or get a timer value failed. Time val=%x"

FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "An ssi function call to either set or get the. timer value failed. ssi timers may not be initialize properly."  
 RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."  
 REQUIRED INFO "Collect event and error logs."

## SSI-4-TIMERSIGERROR

SEVERITY: Error  
 FORMAT: "An attempt to manipulate a signal failed. SSI Timer=%x"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "An ssi function call to manipulate a POSIX. signal failed. this indicates corruption has occurred."  
 RECOMMENDED ACTION: "If this problem persists, reset the card."  
 REQUIRED INFO "Take core dump. Collect event and error logs."

## SSI-4-TIMERINVTOD

SEVERITY: Error  
 FORMAT: "An attempt to read the system time-of-day failed."  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "The function call to get the current time-of-day failed. this indicates corruption has occurred."  
 RECOMMENDED ACTION: "If this problem persists, reset the card."  
 REQUIRED INFO "Take core dump. Collect event and error logs."

## SSI-4-MKTIMEFAIL

SEVERITY: Error  
 FORMAT: "Mktime failed in %s. errno=%x."  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "The function call to mktime to convert a broken down time to an integer second count failed with the error code specified."  
 RECOMMENDED ACTION: "If this problem persists, reset the card."  
 REQUIRED INFO "Take core dump. Collect event and error logs."

## SSI-4-PUTENVFAIL

SEVERITY:	Error
FORMAT:	"Putenv of string '%s' failed in %s. errno=%x."
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"The function call to putenv to put a variable into the environment failed with the error code specified."
RECOMMENDED ACTION:	"If this problem persists, reset the card."
REQUIRED INFO	"Take core dump. Collect event and error logs."

## SSI-4-WDALRCRT

SEVERITY:	Error
FORMAT:	"%s Watchdog already created, watchdog Id = %x."
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"The watchdog timer has already been created for Sync Timer usage for the task."
RECOMMENDED ACTION:	"Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."
REQUIRED INFO	"Collect event and error logs."

## SSI-4-WDCREATEFAIL

SEVERITY:	Error
FORMAT:	"SSI %s watchdog create failed in %s. errno=%x."
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Unable to create the specified watchdog for the specified use in the named function. It failed with the specified error number."
RECOMMENDED ACTION:	"If this problem persists, reset the card."
REQUIRED INFO	"Take core dump. Collect event and error logs."

## SSI-4-WDSTARTFAIL

SEVERITY:	Error
FORMAT:	"SSI %s watchdog start failed in %s. rc=%d errno=%x."
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Unable to start the specified watchdog for the specified use in the named function. It failed with the specified return code and error number."

RECOMMENDED ACTION: "If this problem persists, reset the card."  
 REQUIRED INFO "Take core dump. Collect event and error logs."

## SSI-5-TMRCANCELINV

SEVERITY: Warning  
 FORMAT: "SSI Timeout event not found TmoFunc=%p key=%x"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "The specified timeout event could not be found in the named function. The value of the Timeout function and key are specified."  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.  
 REQUIRED INFO No Required Info

## SSI-4-TMRNOTINIT

SEVERITY: Error  
 FORMAT: "SSI Sync Timer not initialized for Task %p"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "The synchronous timeout facility was not initialized for the calling task before it tried to call the specified function. Initialization must be called before calling the function."  
 RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."  
 REQUIRED INFO "Collect event and error logs."

## SSI-5-TMRHNDLRFAIL

SEVERITY: Warning  
 FORMAT: "Sync Timeout Handler %p failed key=%x rc=%d errno=%x"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "The specified timeout handler function failed in the specified function. It was passed the specified key. The function failed with the specified return code and error number."  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from

REQUIRED INFO      the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.  
No Required Info

## SSI-5-TMRKEYNOTUNIQ

SEVERITY:              Warning  
 FORMAT:                "Timer key/function %d/%p not unique, caller=0x%x"  
 FLAG:                    No Flag  
 THROTTLING            Three Minutes  
 EXPLANATION:         "The same combination of timer key and function was found at least twice in the the sync timer linked list. This is an API error, caller must have added a key/function timer which already exists"  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.  
 REQUIRED INFO         No Required Info

## SSI-5-POP1HDRERROR

SEVERITY:              Warning  
 FORMAT:                "Popeye 1 message header error buffer=%x."  
 FLAG:                    No Flag  
 THROTTLING            One Tick  
 EXPLANATION:         "A function call to create or access a Popeye 1 message header failed."  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO         No Required Info

## SSI-5-IPCMSGERROR

SEVERITY:              Warning  
 FORMAT:                "An IPC message alloc or free failed buffer=%x."  
 FLAG:                    No Flag  
 THROTTLING            One Tick  
 EXPLANATION:         "A function call to either allocate or free an IPC message buffer failed."  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO         No Required Info

## SSI-5-POP1TRLERROR

SEVERITY: Warning  
 FORMAT: "A frame trailer check failed buffer=%x."  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "A check of the frame buffer trailer space requirements failed."  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SSI-5-SSISARTXERROR

SEVERITY: Warning  
 FORMAT: "A SAR frame or cell transmit failed buffer=0x%x, glcn=%d."  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "An attempt to transmit a frame or cell failed in the underlying SAR driver."  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SSI-5-CTCSENDMSGERROR

SEVERITY: Warning  
 FORMAT: "CTC event generate message failure."  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "An event generate message sent to CTC failed."  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SSI-5-EVENTGENERERROR

SEVERITY: Warning  
 FORMAT: "Event generate message failure."  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "An event generate message from SSI failed."  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SSI-5-THRESHSETERROR

SEVERITY: Warning  
 FORMAT: "Thresholds Set failure."  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "Threshold setting for Memory Chunk failed."  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SSI-4-INVALIDTHRESHID

SEVERITY: Error  
 FORMAT: "Threshold Values Invalid"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "Invalid Threshold Percentage Values Entered."  
 RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."  
 REQUIRED INFO "Collect event and error logs."

## SSI-4-STRTOOLONG

SEVERITY: Error  
 FORMAT: "%s Source String longer than Dest Buffer Size = %d, Src Str ptr = %p."  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "Internal software error - attempt to copy a string into a buffer that is too short for it"  
 RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."  
 REQUIRED INFO "Collect event and error logs."

## SSI-4-APIERROR

SEVERITY: Error  
 FORMAT: "%s %s failed, errno=0x%x"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "Internal software error when called an specified API"  
 RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."

REQUIRED INFO "Collect event and error logs."

## SSI-5-DOSFAIL

SEVERITY: Warning  
 FORMAT: "%s WARNING %s, errno=0x%x, File Name=%s"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "Call to specified DOS API failed"  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO No Required Info

## SSI-5-DOSWRITEFAIL

SEVERITY: Warning  
 FORMAT: "Failed for %s, %s, Written= %d, To write= %d(%d)"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "Call to specified DOS API to write to file failed"  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO No Required Info

## SSI-5-DOSFAIL1

SEVERITY: Warning  
 FORMAT: "%s WARNING %s, errno=0x%x, DIR Pointer=%p"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "Call to specified DOS API failed"  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO

No Required Info

## SSI-4-INTERNALFAIL

SEVERITY: Error  
 FORMAT: "%s Failed %s 0x%x"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "Internal software failure while performing specified task"  
 RECOMMENDED ACTION: "If this problem persists, reset the card."  
 REQUIRED INFO "Take core dump. Collect event and error logs."

## SSI-4-SEMFAIL

SEVERITY: Error  
 FORMAT: "%s %s, SSI Sem Id=0x%x, errno=0x%x"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "Internal software failure while performing specified task"  
 RECOMMENDED ACTION: "If this problem persists, reset the card."  
 REQUIRED INFO "Take core dump. Collect event and error logs."

## SSI-4-FILENOTOPEN

SEVERITY: Error  
 FORMAT: "%s File specified by File Desc=0x%x not opened"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "The file specified by the given file descriptor not opened"  
 RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."  
 REQUIRED INFO "Collect event and error logs."

## SSI-4-FDCORRUPT

SEVERITY: Error  
 FORMAT: "%s File Desc=0x%x (%s) was corrupted"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "The file specified by the given file descriptor could not be properly invalidated."  
 RECOMMENDED ACTION: "If this problem persists, reset the card."

REQUIRED INFO "Take core dump. Collect event and error logs."

## SSI-4-APPNOTOWNER

SEVERITY: Error  
 FORMAT: "%s Calling APPL 0x%x is not owner for file %s, owner APPL=0x%x"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "The caller APP is not the owner of the file it is trying to access."  
 RECOMMENDED ACTION: "Look for the events logged subsequent to this event and take the actions recommended for those events. Report the error the TAC."  
 REQUIRED INFO "Collect event and error logs."

## SSI-5-DIO\_GEN\_ERROR

SEVERITY: Warning  
 FORMAT: "%s"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "The DIO module encounter an error for which we want the flexibility to log any string."  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.  
 REQUIRED INFO No Required Info

## SSI-5-DIO\_DIRCPY\_ERRO

SEVERITY: Warning  
 FORMAT: "There is an error in function %s at line no %d because of %s \n"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: " There are some errors like destination & source file(dir) names are same , there also no source dir(file) exist while dir copying"  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.  
 REQUIRED INFO No Required Info

## SSI-4-STKCHK

SEVERITY:	Error
FORMAT:	"Stack usage exceeds threshold (%d percent) Task=%s (0x%x), Size=%d, Usage=%d"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"The stack usage for the specified task exceeds the specified threshold. The threshold and the size configured for the task are as specified"
RECOMMENDED ACTION:	"Report the error to TAC."
REQUIRED INFO	"Collect event and error logs."

## SSI-5-SSITRACEDROP

SEVERITY:	Warning
FORMAT:	"Invalid parameters pass in!!!Max par=4, Cur. par=%d, Module=%s, Format string=(%s)"
FLAG:	No Flag
THROTTLING	No Throttling
EXPLANATION:	"Wrong number of parameters are passed in to the SSI_TRACE api. The current maximum parameters that can be pass in are 4"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	No Required Info

## SSI-1-TEXTCORR

SEVERITY:	Fatal
FORMAT:	"Code CorruptedStart=0x%x, Size=0x%x, Checksum=0x%x, Stored Checksum=0x%x"
FLAG:	No Flag
THROTTLING	No Throttling
EXPLANATION:	"The code segment was corrupted."
RECOMMENDED ACTION:	"Reset the card. Report the error to TAC."
REQUIRED INFO	"Take core dump. Collect event and error logs."

## SSI-4-ME\_SEMCREATEFAI

SEVERITY:	Error
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**FORMAT:** "SSI ME Sem creation failed for Active Op Table. Errno=0x%x."  
**FLAG:** Write to Bram  
**THROTTLING** One Tick  
**EXPLANATION:** "Creation of semaphore for SSI ME Active Operation Table failed unexpectedly. SSI Mutual Exclusion functionality may not be available."  
**RECOMMENDED ACTION:** Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.  
**REQUIRED INFO** No Required Info

## SSI-7-ME\_SEMTAKEFAIL

**SEVERITY:** Information  
**FORMAT:** "Take of semaphore %p for Active Op Table failed. Errno=0x%x"  
**FLAG:** No Flag  
**THROTTLING** One Tick  
**EXPLANATION:** "The Take of the semaphore for the SSI ME Active Op Table failed It is likely that another task is holding the sem as there is no wait allowed. This is an expected occurrence. However, if the problem persists it could be due to memory corruption."  
**RECOMMENDED ACTION:** "If this problem persists, reset the card."  
**REQUIRED INFO** "In the case of repeated occurrences Take core dump. Collect event and error logs."

## SSI-5-ME\_SEMGIVEFAIL

**SEVERITY:** Warning  
**FORMAT:** "Give of semaphore %p for Active Operation Table failed. Errno=0x%x"  
**FLAG:** No Flag  
**THROTTLING** One Tick  
**EXPLANATION:** "The Take of the semaphore for the SSI ME Active Op Table failed unexpectedly. This could be due to memory corruption. This may affect the SSI Mutual Exclusion functionality."  
**RECOMMENDED ACTION:** "If this problem persists, reset the card."

## REQUIRED INFO Take core dump. Collect event and e SSI-5-ME\_OPTBLFULL

**SEVERITY:** Warning  
**FORMAT:** "The SSI ME Active Op Table is full. There are %d current entries."  
**FLAG:** No Flag

THROTTLING	One Tick
EXPLANATION:	"The SSI ME Active Op Table is full. There are no entries available at this time. Entries may become available when other operations have completed. If this problem persists, a consistency check and possibly a table cleanup is required."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	No Required Info

## SSI-4-ME\_DUPLENTRY

SEVERITY:	Error
FORMAT:	"A lock on resource %s by Task 0x%x for operation %d already exists."
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"The calling task has tried to lock a resource which it has already locked for the same operation. This type of duplicate lock is not allowed."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	No Required Info

## SSI-4-ME\_INVALIDOPKEY

SEVERITY:	Error
FORMAT:	"The Operation Key 0x%x passed is invalid."
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"API Software Error. The value for the SSI ME Operation Key passed in as an argument to the named function was invalid."
RECOMMENDED ACTION:	"Look for the events logged by the module/function calling the specified API function and take the actions recommended for those events."
REQUIRED INFO	"Collect the event and error logs."

## SSI-4-ME\_TASKNOTOWNER

SEVERITY:	Error
FORMAT:	"Task (0x%x) is not the owner of key 0x%x. Owner=(0x%0x)"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"A process that is not the owner of a lock on an SSI ME resource is attempting to unlock that resource. This indicates a software error."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	No Required Info

## SSI-5-ME\_LOCKFAIL

SEVERITY:	Warning
FORMAT:	"An attempt by task 0x%x to lock resource %s for op %d has failed."
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"An attempt to lock a resource by the specified task has failed. This may be innocuous, e.g. the resource may already be locked by another task. Consult the event log for events leading up to this occurrence."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	"Take core dump. Collect event and error logs."

## SSI-4-ME\_UNLOCKFAIL

SEVERITY:	Error
FORMAT:	"An attempt to unlock a resource using key 0x%x has failed."
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"An attempt to unlock a resource by the specified task has failed. Consult the event log for events leading up to this occurrence."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from

REQUIRED INFO the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.  
"Take core dump. Collect event and error logs."

## SSI-4-ME\_INDEXFAIL

SEVERITY: Error  
 FORMAT: "Incorrect value %d was given as index into the Active Op Table."  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "An incorrect index value was returned when trying to locate a free entry in the Active Op Table. This is a software error."  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.  
 REQUIRED INFO "Take core dump. Collect event and error logs."

## SSI-5-ME\_INTPARMINVAL

SEVERITY: Warning  
 FORMAT: "Parm %s value '0x%x' is invalid to %s."  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "Internal Software Error. The parameter value for the named parameter passed in as an argument to the named function was invalid."  
 RECOMMENDED ACTION: "Look for the events logged by the module/function calling the specified API function and take the actions recommended for those events."  
 REQUIRED INFO "Collect the event and error logs."

## SSI-5-ME\_TASKSAFEFAIL

SEVERITY: Warning  
 FORMAT: "A call to ssiTaskSafe for Task 0x%x failed."  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "A call to ssiTaskSafe failed while locking a resource. This Task is not safe from deletion, and is holding locks on resources."  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot

determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO No Required Info

## SSI-4-ME\_TASKUNSAFEFA

SEVERITY: Error

FORMAT: "A call to ssiTaskUnsafe for Task 0x%x failed."

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION: "A call to ssiTaskUnsafe failed while attempting to unlock a resource. This task cannot currently be deleted."

RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO No Required Info

## SSI-7-CHNK\_UNIT\_TEST

SEVERITY: Information

FORMAT: "unit-test info %s"

FLAG: No Flag

THROTTLING No Throttling

EXPLANATION: "Generic event to log information in unit-tests. Unit tests may log errors (when testing the lib with invalid parameters and corrupted chunks for example). Before attempting an operation that we expect to fail, unit test log this information event so that when inspecting the logs, we know the next chunk error(s) were expected or we can also spot missing errors that should normally have been logged during unit tests."

RECOMMENDED ACTION: No Recommended Action

REQUIRED INFO No Required Info

## SSI-7-CHNK\_GROW\_SHRIN

SEVERITY: Information

FORMAT: "%s chunk pool name=[%s] nbSubPools=[%d] nbChunk=[%d]"

FLAG: No Flag

THROTTLING One Tick

EXPLANATION: "Information message for important events that might happen to chunk pools such as growth or shrink (not an error). These events

should not happen often because there is a hysteresis effect so that a chunk does not shrink just after growing (and the other way around)."

RECOMMENDED ACTION: No Recommended Action

REQUIRED INFO No Required Info

## SSI-7-CHNK\_FREE\_LEAK

SEVERITY: Information  
 FORMAT: "chunk leak in pool [%p/%s] leakThresholdInSec=[%d] nbLeaks=[%d] nbLeaksFreed=[%d]"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "Chunk leak were detected and freed"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SSI-5-CHNK\_LOW\_PRIO

SEVERITY: Warning  
 FORMAT: "name=[%s] callerPc=0x%x nbFreeChunks=%d maxNbChunks=%d nbChunks=%d lowThreshold=%d"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "Allocation failed because nbFreeChunks is below threshold and chunk allocation had a low priority. It can be the result of a chunk leak the pool."  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SSI-5-CHNK\_STATE\_LOW

SEVERITY: Warning  
 FORMAT: "Chunk pool state low index=%d name=[%s] callerPc=0x%x"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "Number of free chunks in a pool becomes low. the chunk pool is almost full. It can be the result of a chunk leak in the pool. CTC is informed of state transition"  
 RECOMMENDED ACTION: No Recommended Action  
 REQUIRED INFO No Required Info

## SSI-7-CHNK\_STATE\_OK

SEVERITY:	Information
FORMAT:	"chunk pool state OK index=%d name=[%s] callerPc=0x%x"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Number of free chunks in a pool becomes OK (above threshold). CTC is informed of the state transition."
RECOMMENDED ACTION:	No Recommended Action
REQUIRED INFO	No Required Info

## SSI-4-CHNK\_UNIQ\_NAME

SEVERITY:	Error
FORMAT:	"non-unique chunk pool name=[%s]"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"At least 2 chunk pools have been created with same names. Chunk pool names are supposed to be unique. As a result, chunk pool creations failed. This is a chunk API usage error."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	"Collect the event and error logs."

## SSI-4-CHNK\_ALRDY\_GROW

SEVERITY:	Error
FORMAT:	"chunk pool name=[%s] growth policy already defined"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Growing policy of a chunk pool can only be defined once. This is an API usage error."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	"Collect the event and error logs."

## SSI-4-CHNK\_POOL\_INV

SEVERITY:	Error
FORMAT:	"invalid invariant, poolIdx=[%d] [%s]=[%d]"
FLAG:	No Flag
THROTTLING	Thirty Seconds
EXPLANATION:	"An invalid assertion or invariant was found at a pool level while performing sanity check of a chunk pool. It is an internal error in the chunk lib or memory corruption."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	"Collect the event and error logs."

## SSI-4-CHNK\_SUBPOOL\_IN

SEVERITY:	Error
FORMAT:	"invalid chunk sub-pool invariant, poolIdx=[%d] subPoolIdx=[%d] [%s]=[%d]"
FLAG:	No Flag
THROTTLING	Thirty Seconds
EXPLANATION:	"An invalid assertion or invariant was found at a sub-pool level while performing sanity check in a chunk sub-pool. It is an internal error in the chunk lib or memory corruption."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	"Collect the event and error logs."

## SSI-4-CHNK\_INV

SEVERITY:	Error
FORMAT:	"line=%d chunk=%p pool=%d flag=0x%x rCnt=%d nxtFree=0x%x own=%p call=0x%x"
FLAG:	No Flag
THROTTLING	Thirty Seconds
EXPLANATION:	"An invalid assertion or invariant was found at a chunk level while performing sanity check in a chunk pool. It can either be a chunk lib internal error or a chunk memory overflow by chunk user."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log.

Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO "Collect the event and error logs."

## SSI-4-CHNK\_TOO\_MNY\_PO

SEVERITY: Error

FORMAT: "max nb of chunk pool reached name=[%s]"

FLAG: No Flag

THROTTLING One Tick

EXPLANATION: "no more chunk pool available, too many chunk pools have been created."

RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO "Collect the event and error logs."

## SSI-4-CHNK\_XNOT\_USED

SEVERITY: Error

FORMAT: "pool=[%s] ptr=%p flags=0x%x cnt=%d own=%p(%s) caller=0x%x/0x%x"

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION: "A task tried to free an already freed chunk."

RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO "Collect the event and error logs."

## SSI-4-CHNK\_NOT\_USED

SEVERITY: Error

FORMAT: "pool=[%s] p=%p flags=0x%x caller=0x%x"

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION: "A task tried to free an already freed chunk."  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.  
 REQUIRED INFO "Collect the event and error logs."

## SSI-4-CHNK\_POOL\_NOT\_F

SEVERITY: Error  
 FORMAT: "pool=[%s] nbFreeChunks=[%d] nbChunks=[%d]"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "Trying to delete a chunk pool when there are still chunks that have not been freed yet. As a result, the chunk pool will not be freed and a significant amount of memory might be leaked."  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.  
 REQUIRED INFO "Collect the event and error logs."

## SSI-4-CHNK\_INV\_PARAM

SEVERITY: Error  
 FORMAT: "invalid input parameter [%s]=[0x%x] [0x%x]"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "A chunk API function received an invalid or out of range input parameter. It is a chunk API usage error."  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.  
 REQUIRED INFO "Collect the event and error logs."

## SSI-4-CHNK\_INT\_ERROR1

SEVERITY: Error

FORMAT:	"chunk internal error [%s] [0x%x]"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"This is a generic error for chunk lib internal error. This error may happen as a result of a software bug in SSI chunk implementation or memory corruption"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information
REQUIRED INFO	"Collect the event and error logs."

## SSI-4-CHNK\_INT\_ERROR2

SEVERITY:	Error
FORMAT:	"chunk internal error [%s] [0x%x] [0x%x]"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"This is a generic error for chunk lib internal error. This error may happen as a result of a software bug in SSI chunk implementation or memory corruption"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	No Required Info

## SSI-4-CHNK\_INT\_ERROR3

SEVERITY:	Error
FORMAT:	"chunk internal error [%s] [0x%x] [0x%x] [0x%x]"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"This is a generic error for chunk lib internal error. This error may happen as a result of a software bug in SSI chunk implementation or memory corruption"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO "Collect the event and error logs."

## SSI-4-CHNK\_INT\_ERROR4

SEVERITY: Error  
 FORMAT: "chunk internal error [%s] [0x%x] [0x%x] [0x%x] [0x%x]"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "This is a generic error for chunk lib internal error. This error may happen as a result of a software bug in SSI chunk implementation or memory corruption"

RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO "Collect the event and error logs."

## SSI-4-CHNK\_REF\_COUNT

SEVERITY: Error  
 FORMAT: "chunk pool=[%s] invalid refCount=[0x%x]"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "Ref count has an illegal value. A chunk has been duplicated too many times."

RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO "Collect the event and error logs."

## SSI-4-CHNK\_INV\_DATA\_P

SEVERITY: Error  
 FORMAT: "invalid chunk data ptr [%s]=[%p]"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "Chunk API received an invalid chunk ptr as input parameter. Invalid usage of the SSI chunk API. The chunk ptr received by chunk API did not match any existing chunk pointer."

RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log.

Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO "Collect the event and error logs."

## SSI-4-CHNK\_WRONG\_TID

SEVERITY: Error

FORMAT: "wrong task op=[%s] tid=[%p(%s)/%p(%s)] ptr=[%p] rfc=[%d] poolIdx=[%d] name=[%s]"

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION: "A chunk level operation (described by op value in formatted message) has been attempted by a task which does not owns the chunk, operation was denied."

RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO "Collect the event and error logs."

## SSI-4-CHNK\_PERM\_TID

SEVERITY: Error

FORMAT: "wrong task id=[%p] exp=[%p] name=[%s]"

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION: "A chunk pool level operation has been attempted by a task which does not own the pool (wrong task id)"

RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO "Collect the event and error logs."

## SSI-4-CHNK\_PERM\_CTC

SEVERITY: Error

FORMAT: "wrong ctcAppid=[%p] exp=[%p] name=[%s]"

FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"A chunk pool level operation has been attempted by a task which does not own the pool (wrong ctc appid)"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	"Collect the event and error logs."

## SSI-4-CHNK\_XCORR

SEVERITY:	Error
FORMAT:	"[%s] %p %x %x/%x %x/%x %x/%x %x/%x/%x %s/%s/%s %x/%x/%x"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"A task corrupted a shared data chunk (probably as a result of a write overflow in a data chunk). Magic number and/or indexes in data header are corrupted. Consequences are unpredictable. Chunk lib should be robust enough to continue working correctly but user of corrupted chunk may have troubles."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	"Take core dump. Collect event and error logs."

## SSI-4-CHNK\_CORR

SEVERITY:	Error
FORMAT:	"[%s] %p %x %x/%x %x/%x %x/%x"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"A non-shared data chunk is corrupted (probably as a result of write overflow in a data chunk). Magic number and/or indexes in data header are corrupted. Consequences are unpredictable. Chunk lib should be robust enough to continue to work correctly but user of corrupted chunk may have troubles."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from

REQUIRED INFO the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.  
"Take core dump. Collect event and error logs."

## SSI-4-CHNK\_XCTOR

SEVERITY: Error  
 FORMAT: "chunk corrupted next one poolIdx=%d p=%p task=%s caller=0x%x"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "Chunk corrupted the next one"  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information  
 REQUIRED INFO "Take core dump. Collect event and error logs."

## SSI-4-CHNK\_CTOR

SEVERITY: Error  
 FORMAT: "chunk corrupted next one poolIdx=%d p=%p"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "Chunk corrupted the next one"  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.  
 REQUIRED INFO "Take core dump. Collect event and error logs."

## SSI-4-CHNK\_ISR\_POOL

SEVERITY: Error  
 FORMAT: "illegal operation on ISR callable chunk pool idx [%d]"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "An operation has been attempted on a ISR callable chunk and is not allowed for ISR callable chunk."  
 RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot

REQUIRED INFO determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information

REQUIRED INFO "Collect the event and error logs."

## SSI-4-CHNK\_SHARED\_POO

SEVERITY: Error

FORMAT: "illegal operation on shared chunk pool idx [%d]"

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION: "A chunk function has been invoked on a shared pool which only applies for unshared chunk pools (or the other way around). This is probably a chunk API usage error"

RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO "Collect the event and error logs."

## SSI-4-CHNK\_EXT\_HDR

SEVERITY: Error

FORMAT: "operation on chunk pool [%s] requires extended header"

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION: "Chunk pool should have been created with SSI\_CHUNK\_POOL\_UFLAG\_EXT\_HDR option in order for this operation to succeed"

RECOMMENDED ACTION: Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.

REQUIRED INFO "Collect the event and error logs."

## SSI-4-CHNK\_UNUSED\_POO

SEVERITY: Error

FORMAT: "illegal operation on unused pool index=[%d]"

FLAG: Stack Trace

THROTTLING One Tick

EXPLANATION:	"A chunk function has been invoked on an unused chunk pool. A chunk user may have given a wrong chunk pool id or is using a chunk pool that has been deleted."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	"Collect the event and error logs."

## SSI-5-CHNK\_FULL\_POOL

SEVERITY:	Warning
FORMAT:	"chunk pool full, index=%d name=[%s] callerPc=0x%x"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"A chunk pool is full and cannot grow. This can be the result of a chunk leak."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information
REQUIRED INFO	No Required Info

## SSI-5-CHNK\_GROW\_ATTEM

SEVERITY:	Warning
FORMAT:	"Chunk pool [%s] grew after [%d] attempts"
FLAG:	No Flag
THROTTLING	One Tick
EXPLANATION:	"Chunk pool growth was successful but only after several attempts. Available memory in heap is low or fragmented."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. If you cannot determine the nature of the error from the error message text or from the 'dsperr' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	No Required Info

## SSI-4-CHNK\_GROW\_FAIL

SEVERITY:	Error
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FORMAT: "Chunk pool [%s] grow failed"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "Chunk pool growth failed (not enough memory) after several attempts. Available memory in heap is low or fragmented. Possible memory leaks."  
 RECOMMENDED ACTION: "If this problem persists, reset the card."  
 REQUIRED INFO "Collect the event and error logs."

## SSI-4-CHNK\_INT\_CNTXT

SEVERITY: Error  
 FORMAT: "illegal op in interrupt context, poolName=[%s]"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "A chunk operation has been attempted in interrupted context which should not be executed in interrupt context"  
 RECOMMENDED ACTION: "Report the error to TAC."  
 REQUIRED INFO "Collect the event and error logs."

## SSI-4-CHNK\_INV\_FREE\_P

SEVERITY: Error  
 FORMAT: "Invalid chunk free pattern poolIdx=[%x] ptr=[%p]"  
 FLAG: No Flag  
 THROTTLING One Tick  
 EXPLANATION: "Free chunk was supposed to be filled with known free pattern but actually contains something else. This could be the result of a memory corruption of a free chunk."  
 RECOMMENDED ACTION: "Report the error to TAC."  
 REQUIRED INFO "Collect the event and error logs."

## SSI-5-POP1NOROOM

SEVERITY: Warning  
 FORMAT: "No room to add POP1 header. HdrPtr=%p, MblkPtr=%p"  
 FLAG: Stack Trace  
 THROTTLING One Tick  
 EXPLANATION: "There is no room to add POP1 header to the message/buffer specified by the mblk pointer."  
 RECOMMENDED ACTION: No action required  
 REQUIRED INFO No Required Info



debugging"

RECOMMENDED ACTION: No Recommended Action

REQUIRED INFO : No Required Info

## SSI-5-CHNK\_HI\_PRIO

SEVERITY : Warning

FORMAT : "name=[%s] callerPc=0x%x nbFreeChunks=%d maxNbChunks=%d  
nbChunks=%d hiThreshold=%d"

FLAG : No Flag

THROTTLING : One Tick

EXPLANATION : "Allocation failed because nbFreeChunks is below threshold and  
chunk allocation had a high priority. It can be the result of a chunk  
leak the pool."

RECOMMENDED ACTION: No Recommended Action

REQUIRED INFO : No Required Info

## SSI-5-SEMGIVEFORCE

SEVERITY : Warning

FORMAT : "Mutex semaphore 0x%x had to be force given: owner = %p, errno =  
0x%x"

FLAG : No Flag

THROTTLING : No Throttling

EXPLANATION : "Mutex semaphore was taken by a task that died but didn't release  
the semaphore. It had to be released forcefully."

RECOMMENDED ACTION: No action required

REQUIRED INFO : No information required

## DDTS "ssi"

### EVEN-5-EVTLOGTST001

SEVERITY: Warning

FORMAT: "Event Logging Test Message Number 1."

FLAG: No Flag

THROTTLING One Tick

EXPLANATION: "Test message for the event logging test mechanism."

RECOMMENDED ACTION: No Recommended Action

REQUIRED INFO No Required Info

## DDTS "ssi"

### SSI\_-4-INVALIDPARAM

SEVERITY:	Error
FORMAT:	"param name %s, invalid param value %s"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"Failed to create ramdisk, targetted service eg. statistics upload, configuration upload etc for this card may not be available"
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. Do the same with 'dsplog' command. If you cannot determine the nature of the error from the error message text or from the 'dsperr'/'dsplog' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	Please collect the output of CLIs dspver, dspcds, dsplog, dsperr, dspvers

### SSI\_-4-DEVSIZE

SEVERITY:	Error
FORMAT:	"ramdisk name %s, requested size %d"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"Failed to create ramdisk, targetted service for that device may not be available. The size of the device requested was less than the min possible."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. Do the same with 'dsplog' command. If you cannot determine the nature of the error from the error message text or from the 'dsperr'/'dsplog' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	Please collect the output of CLIs dspver, dspcds, dsplog, dsperr, dspvers

### SSI\_-4-DEVOPEN

SEVERITY:	Error
FORMAT:	"ramdisk name %s, global errno %d"
FLAG:	Stack Trace
THROTTLING	One Tick

EXPLANATION:	"Failed to open ramdisk to determine available bytes, because the api to open device failed, fatal error. All requests involving the ram disk eg. configuration upload, for this slot will fail."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. Do the same with 'dsplog' command. If you cannot determine the nature of the error from the error message text or from the 'dsperr'/'dsplog' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	Please collect the output of CLIs dspver, dspcds, dsplog, dsperr, dspvers

## SSI\_-4-DEVICTL

SEVERITY:	Error
FORMAT:	"ramdisk name %s, global errno %d"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"Failed to determine available bytes on ramdisk, because the ioctl api failed, fatal error. All requests involving the ram disk eg. configuration upload, for this slot will fail."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. Do the same with 'dsplog' command. If you cannot determine the nature of the error from the error message text or from the 'dsperr'/'dsplog' output, call your Cisco technical support representative and provide the representative with the gathered information.
REQUIRED INFO	Please collect the output of CLIs dspver, dspcds, dsplog, dsperr, dspvers

## SSI\_-3-SSIMALLOC

SEVERITY:	Minor Alert
FORMAT:	"requested ramdisk name %s, devSize %d, global errno %d"
FLAG:	Stack Trace
THROTTLING	One Tick
EXPLANATION:	"Failed to create ramdisk, unable to perform ssiMalloc. Services targetted for that device may not be available. Api to create ramdevice failed. All requests involving the ram disk eg. configuration upload, for this slot will fail."
RECOMMENDED ACTION:	Copy the error message exactly as it appears in the system log. Issue the 'dsperr' command from the PXM to gather data that may provide information to determine the nature of the error. Do the same with 'dsplog' command. If you cannot determine the nature of the error from the error message text or from the 'dsperr'/'dsplog' output,

## REQUIRED INFO

call your Cisco technical support representative and provide the representative with the gathered information.

Please collect the output of CLIs dspver, dspcds, dsplog, dsperr, dspvers

