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Document Title: Cisco MGX 8250 Multiservice Gateway Error Messages

Part Number: 78-10923-01 S/W Release (if applicable): _____

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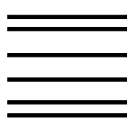Can we contact you further concerning our documentation? ☐ Yes ☐ No

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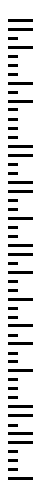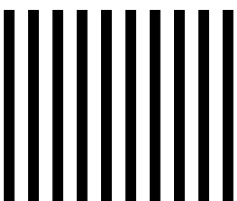
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Cisco MGX 8250 Multiservice Gateway Error Messages

Release 1.0
April 2000

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CONTENTS

TABLES

Preface

This preface describes who should read the *Cisco MGX 8250 Multiservice Gateway Error Messages*, how it is organized, and its document conventions.

Cisco documentation and additional literature are available in a CD-ROM package, which ships with your product. The Documentation CD-ROM, a member of the Cisco Connection Family, is updated monthly. Therefore, it might be more up to date than printed documentation. To order additional copies of the Documentation CD-ROM, contact your local sales representative or call customer service. The CD-ROM package is available as a single package or as an annual subscription. You can also access Cisco documentation on the World Wide Web at http://www.cisco.com, http://www-china.cisco.com, or http://www-europe.cisco.com.

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3. Complete the form, click **Submit**, and send it to Cisco Systems.

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We appreciate your comments.

Who Should Read This Guide

This guide is designed for the installer and user with a working knowledge of the MGX 8800 series switch system software. Users of this guide might also include network administrators and other people responsible for setting up and maintaining this switch.

How This Guide Is Organized

The major sections of this guide are as follows:

Chapter 1	Error Message Format	Describes how to read a system or error message.
Chapter 2	Message and Recovery Procedures	Contains the message descriptions and recovery procedures.

Document Conventions

Screen examples use the following conventions:

boldface font	Commands and keywords are in **boldface**.
italic font	Arguments for which you supply values are in *italics*.
[ ]	Elements in square brackets are optional.
string	A nonquoted set of characters. Do not use quotation marks around the string or the string will include the quotation marks.
screen font	Terminal sessions and information the system displays are in screen font.
< >	Nonprinting characters, such as passwords are in angle brackets.
[ ]	Default responses to system prompts are in square brackets.
[dec]	Decimal
[chars]	Character string
[hex]	Hexadecimal integer

Notes use the following conventions:

Note Means *reader take note*. Notes contain helpful suggestions or references to material not covered in the publication.

Cisco Connection Online

Cisco Connection Online (CCO) is Cisco Systems' primary, real-time support channel. Maintenance customers and partners can self-register on CCO to obtain additional information and services.

Available 24 hours a day, 7 days a week, CCO provides a wealth of standard and value-added services to Cisco's customers and business partners. CCO services include product information, product documentation, software updates, release notes, technical tips, the Bug Navigator, configuration notes, brochures, descriptions of service offerings, and download access to public and authorized files.

CCO serves a wide variety of users through two interfaces that are updated and enhanced simultaneously: a character-based version and a multimedia version that resides on the World Wide Web (WWW). The character-based CCO supports Zmodem, Kermit, Xmodem, FTP, and Internet e-mail, and it is excellent for quick access to information over lower bandwidths. The WWW version of CCO provides richly formatted documents with photographs, figures, graphics, and video, as well as hyperlinks to related information.

You can access CCO in the following ways:

- WWW: http://www.cisco.com

- WWW: http://www-europe.cisco.com

- WWW: http://www-china.cisco.com

- Telnet: cco.cisco.com

- Modem: From North America, 408 526-8070; from Europe, 33 1 64 46 40 82. Use the following terminal settings: VT100 emulation; databits: 8; parity: none; stop bits: 1; and connection rates up to 28.8 kbps.

For a copy of CCO's Frequently Asked Questions (FAQ), contact cco-help@cisco.com. For additional information, contact cco-team@cisco.com.

Related Documentation

MGX 8250 Release 1.0 Related Documentation	Documentation Description
Cisco MGX 8250 Multiservice Gateway Installation and Configuration Release 1.0 *DOC-7810924=*	Provides installation instructions for the 8250 multiservice gateway.
Cisco MGX 8250 Multiservice Gateway Command Reference Release 1.0 *DOC-7810897=*	Provides detailed information on the general command line interface commands
Cisco BPX 8600 Series Installation and Configuration Release 9.2 DOC-786326=	Provides installation instructions for the BPX broadband switch.
Cisco BPX 8600 Series Reference Release 9.2 DOC-786325=	Provides a general description and technical details of the BPX broadband switch.
Cisco IGX 8400 Series Installation and Configuration Release 9.2 DOC-786723=	Provides installation instructions for the IGX multiband switch.
Cisco IGX 8400 Series Reference Release 9.2 DOC-786736=	Provides a general description and technical details of the IGX multiband switch.
Cisco WAN Switching Command Reference Release 9.2 DOC-786721=	Provides detailed information on the general command line interface commands.
Cisco WAN Switching SuperUser Command Reference Release 9.2 DOC-786722=	Provides detailed information on the command line interface commands requiring SuperUser access authorization.
WAN CiscoView for the MGX 8250 Multiservice Gateway Release 1.0 *DOC-7810925=*	Provides instructions for using WAN CiscoView for the MGX 8250 multiservice gateway.
WAN CiscoView for the IGX 8400 Switches Release 2.0 DOC-786541=	Provides instructions for using WAN CiscoView for the IGX 8400.
WAN CiscoView for the BPX 8600 Switches Release 2.0 DOC-786539=	Provides instructions for using WAN CiscoView for the BPX 8600.
Cisco WAN Manager Installation for Solaris Release 9.2 DOC-78=785875=	Provides procedures for installing Release 9.2 of the Cisco WAN Manager (CWM) network management system on Solaris systems.
Cisco WAN Manager Operations Release 9.2 DOC-785876=	Provides procedures for operating Release 9.2 of the Cisco WAN Manager (CWM) network management system.

Cisco WAN Manager SNMP Service Agent Release 9.2 DOC-785878=	Provides information about the Cisco WAN Manager Simple Network Management Protocol (SNMP) Service Agent components and capabilities.
Cisco WAN Manager Database Interface Release 9.2 DOC-785877=	Provides the information to gain direct access to the Cisco WAN Manager Informix OnLine database that is used to store information about the elements within your network.

Error Message Format

This chapter describes how error messages are formatted. Not all messages indicate problems; some messages are only informational, while others help diagnose problems.

Messages are listed by the facility (hardware device, protocol, or a module or system software) that produces the messages. Within each facility, messages are listed by the severity level, from 1 through 7. Each message is followed by an explanation and a recommended action. Messages appear only when the system remains operational.

Message Structure

Messages similar to the following will appear in the error log:

```
04/27/1999-12:13:58 07 tTnInTsk01  CLI-7-CLITNLOG
 cliTelnetd: client@171.71.25.240: telnet.01: disconnected
```

These messages are structured as follows:

```
mm/dd/yyyy-hh:mm:ss slot# taskname facility-severity-MNEMONIC description
```

where

`mm/dd/yyyy-hh:mm:ss` is the date and time of the error/event,

`slot#` is the slot number to which the message applies, and

`taskname` is the name of the task to which the message applies.

The remaining parts of the messages are described in the rest of this chapter.

Facility Codes

A *facility* code consists of two or more uppercase letters that indicate the reference facility to which the message refers. A facility can be a hardware device, a protocol, or a portion of the system software. (See Table 1-1.)

Table 1-1   Facility Codes

Code	Facility
BOOT	Bootstrap Module
CBC	Cell Bus Controller

Table 1-1   Facility Codes (continued)

Code	Facility
CHS	Channel Statistics Module
CLI	Command Line Interface
CMM	Card Management Module
CNTP	Control Point Software
DBM	Database Manager
FILM	File Manager
ILMI	Integrated Local Management Interface
INST	Installation Module
LDRV	Line Driver
OAM	Operations Administration and Management Module
PIPC	MGX Inter Process Communication
PMM	MGX Management Module
QE	Queue Engine
RCMP	Routing Control Monitoring and Policing
RED	Redundancy Module
RFS	Remote File System
RMM	RPM Management Module
RVT	RPM Virtual Task
SAR	Segmentation and Reassembly
SCM	Shelf Communication Module
SLFT	Selftest Module
SNMP	Simple Network Management Protocol
SPI	Switch Path Interface
SPM	Switch Path Management
SRM	Service Resource Module
SSI	System Service Interface
SYS	System Module
TFTP	Trivial File Transfer Protocol
VCNM	VSM Connection Management
VSI	Virtual Switch Interface
VSM	Virtual Service Module

Severity Levels

A *severity* level code is a single digit from 0 to 7 that reflects the severity of the condition. The lower the number, the more serious the situation. (See Table 1-2.)

Table 1-2   Message Severity Levels

Severity Level	Description
1 – fatal	Platform needs reset
2 – alert	Major alert condition
3 – alert	Minot alert condition
4 – error	Error condition detected
5 – warning	Warning condition detected
6 – notice	Normal but significant
7 – info	Informational

Mnemonic Codes

The *MNEMONIC* code uniquely identifies the error message. All mnemonics are all uppercase character strings.

Description Text Strings

A *description* text string describes the condition. Sometimes it contains detailed information about the event, including terminal port numbers, network addresses, or addresses that correspond to locations in the system memory address space. Because these variable fields can change from message to message, they are represented by short strings in square brackets ([ ]). A decimal number, for example, is represented as [dec]. (See Table 1-3.)

Table 1-3   Representation of Variable Fields in Messages

Representation	Type of Information
[dec]	Decimal
[chars]	Character string
[hex]	Hexadecimal integer

Cisco MGX 8250 Multiservice Gateway Error Messages

Message and Recovery Procedures

This chapter lists the error messages by facility. Within each facility, the messages are listed by severity levels 1 to 7, where 1 is the highest severity level and 7 is the lowest severity level. Each message is followed by an explanation and a recommended action.

Note The date/time stamp designation precedes every message; however, for the sake of simplifying this document, only the text of each message, alphabetized by category, is shown in this chapter.

Boot (BOOT) Messages

This section contains the boot (BOOT) messages.

BOOT-4-SERIALHUNGHCR: Serial port is hung HCR wrong hcr=[dec]x.

Explanation The serial port is hung (HCR is set wrong), resetting the serial device.

Action Copy the error message exactly as it appears in the system log. Issue the **dsperr** command from the Processor Switch Module (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.

BOOT-4-SERIALHUNGREAD: Serial port is hung read int. icr=[dec]x.

Explanation The serial port is hung (read interrupt disabled), resetting the serial device.

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.

BOOT-4-SERIALHUNGWRITE: Serial port is hung write int. icr=[dec]x count=[dec].

Explanation The serial port is hung (write interrupt disabled), resetting the serial device.

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.

Cell Bus Controller (CBC) Messages

This section contains the Cell Bus Controller (CBC) messages.

CBC-4-CBC_DRV_ERR1: Err1 : [chars] slot [dec] : [chars]

Explanation Unknown/Invalid Board Id.

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.

CBC-4-CBC_DRV_ERR2: Err2 : [chars] slot [dec] : [chars]

Explanation The given CBC Slot is unmapped and invalid.

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.

CBC-4-CBC_DRV_ERR3: Err3 : [chars] slot [dec] : [chars]

Explanation cbcIN(y/present deasserted.

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.

CBC-4-CBC_DRV_ERR4: Err4 : [chars] slot [dec] : [chars]

Explanation Physical slot not configured to Logical slot.

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.

CBC-4-CBC_DRV_ERR: Err : [chars] param-id [dec] : [chars]

Explanation Unable to write to CBD chip.

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.

CBC-4-CBC_UTIL_ERR: Err : [chars] params [dec][dec][dec][dec] : [chars]

Explanation RAM access failed.

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.

Channel Statistics Module (CHS) Messages

This section contains the Channel Statistics Module (CHS) messages.

CHS-4-CHS_INIT_ERR: CHS : Task Init Failed

Explanation Channel initialization failed.

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.

Command Line Interface (CLI) Messages

This section contains the Command Line Interface (CLI) messages.

`CLI-7-CMDLOG: cliCmdLog: [chars]@[chars]: [chars]`

Explanation The above command was entered by the user via CLI.

Action No action required.

`CLI-4-CLISMTERMD: cliSmtermd: [chars]: failed`

Explanation CLI API Error. A call to the above function failed.

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.

`CLI-7-CLITNLOG: cliTelnetd: client@[chars]: [chars]`

Explanation A telnet session was attempted by the user.

Action No action required.

`CLI-5-AUTHENTICATION: [chars]@[chars]: [chars]`

Explanation Could not send Login/Logout SNMP trap for CLI session.

Action No action required.

`CLI-5-TASKDELETEFAIL: [chars]: ssiTaskDelete[chars]: 0x[dec]ed for [dec] trials in [dec] seconds`

Explanation The task with given task id could not be deleted.

Action No action required.

`CLI-5-GENERALWARNING: [chars]: [chars]: [chars]: [chars]`

Explanation Problems caused by routine calls that need attention.

Action No action required.

Card Management Mode (CMM) Messages

This section contains the Card Management Mode (CMM) messages.

CMM-4-INIT_ERROR_CMM: Init Error: [chars]

Explanation CMM/VSM initialization error.

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.

CMM-4-GET_MSG_ERROR: Get Message: [chars]

Explanation Error in receiving message.

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.

CMM-4-GET_EVENT_ERROR: Get Event: [chars] [dec]

Explanation Error in receiving event.

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.

CMM-5-UNKNOWN_MSG: UNknown message: [chars]

Explanation Unknown message received.

Action No action required.

CMM-4-SEND_MSG_ERROR: Send Message failed: [chars]

Explanation Error in sending a message.

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.

```
CMM-4-RCV_MSG_FAILED: Init Error: [chars]
```

Explanation Error in receiving messages.

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.

```
CMM-5-INVALID_SLOT_NO: Invalid Slot Number [chars] [dec]
```

Explanation The input parameter to this function was invalid.

Action No action required.

```
CMM-7-SLOT_NO_SET: updateSlotNum: Old S.N.= [dec] New S.N.=[dec]
```

Explanation Slot number is successfully set.

Action No action required.

Control Point Software (CNTP) Messages

This section contains the Control Point Software (CNTP) messages.

```
CNTP-7-MSGSUBS: cntpMsgBufTake : ssiFrameBufferAlloc failed [dec] times.
```

Explanation Attempt to allocate a buffer using ssiFrameBufferAlloc from the control point subsystem failed the specified number of times.

Action No action required.

Database Manager (DBM) Messages

This section contains the Database Manager (DBM) messages.

DBM-4-PARMINVALID: Parm [chars] value '0x[hex]' is invalid to [chars].

Explanation API Software Error. The parameter value for the named parameter passed in as an argument to the named function was invalid.

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.

DBM-4-PARMINVLENGTH: Parm [chars] invalid length of [dec] to [chars]. Max=[dec] Value='[chars]'

Explanation API Software Error. The named parameter passed in as an argument to the named function either had a length of zero or exceeded the maximum value specified.

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.

DBM-4-PARMINVCHAR: Parm [chars] '[chars]' has invalid char of '[chars].

Explanation API Software Error. The named parameter passed in as an argument to the named function had an invalid character in the string.

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.

DBM-4-PARMOUTOFRANGE: Parm [chars] '[dec]' is out of range [dec]-[dec] to [chars].

Explanation API Software Error. The parameter value for the named parameter passed in as an argument to the named function is out of the specified range of values.

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.

```
DBM-4-PARMMAXEXCEEDED: Parm [chars] '[dec]' has exceeded max [dec] to [chars].
```

Explanation API Software Error. The parameter value for the named parameter passed in as an argument to the named function exceeded maximum value specified.

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.

```
DBM-4-PARMRANGEINV: [chars] range [dec]-[dec] exceeds [chars] max [dec] to
[chars].
```

Explanation API Software Error. An invalid parameter range was specified for the name function. The starting number plus the number to do exceeds the total number available in the specified database object.

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.

```
DBM-4-STATEINVALID: EVENT_DUMP_TRACE 0 State '[chars]' for [chars] '[chars]' is
invalid to [chars].
```

Explanation API Software Error. The state for the specified database object was invalid for the named function. A call was made out of sequence or too soon to be serviced. Any previous database failures could cause this condition.

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.

```
DBM-4-NOTACTIVEUPDATE: Db [chars] update when card is not active in [chars].
```

Explanation API Software Error. A database update operation was attempted for the named database when the card is not active. This happened in the named function. Updates can only be done on the active card.

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.

```
DBM-4-RAMACCESSFAIL: EVENT_DUMP_TRACE 0 Ram Table '[chars]' access to elmt [dec]
failed in [chars].
```

Explanation Unable to get RAM data for the specified table and specified element number in the named function. The element block pointer is invalid. There is no data block available for the element.

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.

```
DBM-4-TBLFUNCFAIL: EVENT_DUMP_TRACE 0 Db Table '[chars]' [chars] function failed.
rc=[dec] Func=
```

Explanation The specified callback function for the specified table failed with the return code specified. The function address which failed is also specified.

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.

```
DBM-4-NAMEDUPLICATE: Name '[chars]' is duplicate to [chars].
```

Explanation A duplicate name was passed as an argument to the named function. That name has already been used.

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.

```
DBM-4-TBLNOTEXIST: Table [chars] does not exist for db [chars]. Add not allowed.
```

Explanation The named table does not exist for the previously created named database. A table cannot be added to a previously registered database or once registration complete has been called.

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.

`DBM-4-TBLCONFIGDIFF: Db config diff from disk. Field=[chars] Table=[chars].`

Explanation The configured size of the specified database table changed from the disk config without a version change. The database version must be upgraded to support the config change or the database must be deleted first.

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.

`DBM-4-NOTSUPPORTED: [chars] operation is not supported in [chars].`

Explanation The named operation is not currently supported in the specified function.

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.

`DBM-4-TBLNOTREGSTR: EVENT_DUMP_TRACE 0 Table [chars] for db [chars] has not been registered.`

Explanation The specified table name has not been registered during the initialization of the software. The table exists in the current version of the database.

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.

`DBM-5-NOUPDATETOCMT: No Updates to Db [chars] found to be committed in [chars].`

Explanation API Software Error. There are no updates to be committed to the specified database even though database commit has been called.

Action No action required.

`DBM-4-SEMCREATEFAIL: Db [chars][chars] sem create failed in [chars]. errno=[hex].`

Explanation Unable to create the specified semaphore in the named function. It failed with the specified error number.

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.

`DBM-4-SEMTAKEFAIL: Db [chars][chars] sem take failed in [chars]. rc=[dec] errno=[hex].`

Explanation Unable to take the specified semaphore for the specified database in the named function. It failed with the specified return code and error number.

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.

`DBM-4-PORTCREATEFAIL: Db ipc port [dec] create failed in [chars]. rc=[dec] errno=[hex].`

Explanation Unable to create the specified pipc port in the named function. It failed with the specified return code and error number.

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.

`DBM-4-IPCGETBUFFAIL: Db get ipc buffer failed in [chars]. size=[dec] rc=[dec] errno=[hex].`

Explanation Unable to get a pipc memory buffer. It failed with the specified return code and error number.

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.

`DBM-4-MSGSENDFAIL: Db [chars] send failed in [chars]. Type=[chars] rc=[dec] errno=[hex].`

Explanation Unable to send a pipc message of the specified type to other PXM card. It failed with the specified return code and error number.

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.

```
DBM-4-MEMALLOCFAIL: Db [chars][chars] memory alloc failed in [chars].
errno=[hex].
```

Explanation Unable to allocate the specified memory buffer for the specified database in the named function. It failed with the specified error number.

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.

```
DBM-4-TASKSPAWNFAIL: Db [chars] task [chars] failed in [chars]. rc=[dec]
errno=[hex].
```

Explanation Unable to spawn the specified task in the named function. It failed with the specified rc and error number.

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.

```
DBM-4-PMMFUNCFAIL: Db manager call to [chars] failed in [chars]. rc=[dec]
errno=[hex].
```

Explanation The specified PMM function call failed. It failed with the specified return code and error number.

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.

```
DBM-4-REGISTERFAIL: Db [chars] register [chars] failed in [chars].
```

Explanation Unable to perform the specified operation to the disk db table for the specified database in the named function.

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.

`DBM-4-DISKOPFAIL: Db [chars] disk [chars] failed in [chars].`

Explanation Unable to perform the specified operation to the disk db table for the specified database in the named function.

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.

`DBM-4-SENDOPFAIL: Db [chars] send [chars] failed in [chars].`

Explanation Unable to perform the specified send operation for the specified database in the named function.

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.

`DBM-4-SYNCOPFAIL: Db [chars] sync [chars] failed in [chars].`

Explanation Unable to perform the specified sync operation for the specified database in the named function.

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.

`DBM-4-VEROPFAIL: Failed to [chars] version file for db '[chars]' in [chars].`

Explanation The specified operation on the version file for the specified disk database has failed in the named function. See previous event for detailed failure information and next event for error context.

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.

```
DBM-4-MAPOPFAIL: Failed to [chars] map file for db '[chars]' in [chars].
```

Explanation The specified operation on the map control file for the specified disk database has failed in the named function. See previous event for detailed failure information and next event for error context.

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.

```
DBM-4-TBLOPFAIL: Failed to [chars] disk db table '[chars]' in [chars].
```

Explanation The specified operation on the specified disk database table has failed in the named function. See previous event for detailed failure information and next event for error context.

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.

```
DBM-4-DIRTREERMFAIL: Db '[chars]' directory tree remove failed in [chars].
```

Explanation Unable to remove directory tree for the specified database in the named function.

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.

```
DBM-4-LISTADDFAIL: Db '[chars]' list add to Sync Task failed in [chars].
```

Explanation Unable to add specified message to db list for Dbm Sync task to process. See previous event for detailed failure information.

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.

DBM-4-MSGPROCFAIL: Failed to process [chars] msg for db [chars] in [chars].

Explanation The processing of the specified message for the specified database has failed in the named function. See previous event for detailed failure information.

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.

DBM-4-SYNCSENDFAIL: Failed to send sync [chars] msg for db [chars] in [chars].

Explanation The sending of the specified message for the specified database has failed in the named function. See previous event for detailed failure information.

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.

DBM-4-MAPHDRDIFF: Db '[chars]' map file is corrupted. Header field=[chars].

Explanation The disk map control file in the version directory for the specified database does not contain the correct header information. The database files are corrupt or were restored to the wrong location. The disk or file system could also have a problem.

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.

DBM-4-MAPCSCORRUPT: Db '[chars]' map checksum is corrupted. DiffSum=[hex].

Explanation The disk flag control file in the version directory for the specified database does not match the correct version. The database files are corrupt or were restored to the wrong location. The disk or file system could also have a problem.

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.

```
DBM-4-TBLHDRDIFF: Db Table '[chars]' file is corrupted. Header field=[chars].
```

Explanation The disk table file in the version directory for the specified database does not contain the correct header information. The database files are corrupt or were restored to the wrong location. The disk or file system could also have a problem.

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.

```
DBM-3-TBLELMTCORRUPT: Db Table '[chars]' element [dec] is corrupted. Invalidated.
```

Explanation The specified disk table file had a corrupted element. It has been invalidated and reset to the default state. Data has been lost in the table.

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.

```
DBM-4-TBLCSCORRUPT: Db '[chars]' map tbl [dec] checksum is corrupted.
DiffSum=[hex].
```

Explanation The specified database map file for the specified table number does not contain the correct checksum information. The map control file is corrupt or were restored to the wrong location.

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.

```
DBM-3-TBLDATACHANGED: EVENT_DUMP_TRACE 0 Db Table '[chars]' element [dec] data
changed during write.
```

Explanation The specified disk table file has been corrupted by data being changed during a write. The commit of the update has been aborted.

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.

```
DBM-4-MSGINVALID: Received msg [chars] of [dec] is invalid to [chars].
```

Explanation The specified field of the message passed as a parameter to the named function was invalid.

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.

```
DBM-4-MSGTIMEOUT: Db Manager [chars] msg timed-out [dec] secs. Type=[chars].
```

Explanation The request to the database manager timed out the response. No response was given in indicated interval. The Database manager could have died or is hung processing this or another request.

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.

```
DBM-4-WINDOWTIMEOUT: Db '[chars]' msg window timed-out [dec] secs. Window=[dec].
```

Explanation The window resource request to get a buffer window timed out. It was unable to get a resource count in the time specified. Window resources have been lost for the database or message were lost.

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.

```
DBM-4-MSGNAMEINVALID: Msg [chars] name '[chars]' with key [dec] is invalid to
[chars].
```

Explanation The specified name in the message passed as parameter to the named function was invalid. It was not found with the hashkey specified.

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.

DBM-4-MSGSEQUENCEINV: Msg [chars] sequence [dec] is invalid for db '[chars]'. Correct=[dec].

Explanation The specified sequence number in the message passed as parameter to the named function was invalid. The correct value is specified.

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.

DBM-4-MSGMISMATCH: Msg field [chars] value 0x[hex] is invalid to [chars]. Correct=0x[hex].

Explanation Internal Messaging Error. The field value for the named parameter passed in as an argument to the named function was invalid.

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.

DBM-2-COMMLOST: Communication for Db '[chars]' has been lost. Retried=[dec].

Explanation The communication between active and standby has been lost for the specified database name. Communication has been retried the specified number of times. Core Redundancy for the Database has been lost.

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.

DBM-2-SYNCFAIL: Database Sync to standby card failed. Unable to establish Core Redundancy.

Explanation The syncing of the databases to the standby card failed. Core Redundancy cannot be established.

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.

DBM-6-FILENAME: Db file name=[chars].

Explanation The specified filename is being reported as part of a file operation or I/O error. This event is associated with that error event from the same task.

Action No action required.

```
DBM-4-FILEOPFAIL: EVENT_DUMP_TRACE 0 Db file [chars] failed in [chars]. Fd=[dec]
Errno=[hex].
```

Explanation The specified operation on a database file failed with the specified error number. There could be a problem with the disk or file system.

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.

```
DBM-4-FILEIOFAIL: EVENT_DUMP_TRACE 0 Db file [chars] failed at [dec]. Fd=[dec]
Len=[dec] Errno=[hex].
```

Explanation The specified operation on a database file failed with the specified error number. There could be a problem with the disk or file system.

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.

```
DBM-4-DIROPFAIL: EVENT_DUMP_TRACE 0 Db directory [chars] failed. Errno=[hex]
Dir=[chars].
```

Explanation The specified operation on a database directory failed with the specified error number. There could be a problem with the disk or file system.

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.

```
DBM-4-INTPARMINVALID: Internal parm [chars] value '0x[hex]' is invalid to
[chars].
```

Explanation Internal API Software Error. The parameter value for the named parameter passed in as an argument to the named function was invalid.

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.

```
DBM-4-INTPARMMAXEXCD: Internal Parm [chars] '[dec]' has exceeded max [dec] to
[chars].
```

Explanation Internal API Software Error. The parameter value for the named parameter passed in as an argument to the named function exceeded maximum value specified.

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.

```
DBM-4-DBTABLEFULL: Db Table for [chars] is full. All [dec] entries are used.
```

Explanation The named table is full. There are no more entries available to create any database ids. The database manager limit needs to be increased.

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.

```
DBM-4-LISTEMPTY: Db [chars] buffer list is empty when it shouldn't be.
```

Explanation The buffer list for the named database is empty when it should not be empty. The process count semaphore indicate there should be a message to process in the list.

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.

```
DBM-7-DBCREATE: Creating Disk Database '[chars]' Version [dec].[dec].[dec] on
disk.
```

Explanation The disk database specified is being created for the first time on disk at the specified version.

Action No action required.

```
DBM-7-DBUPGRADE: Upgrading Disk Db '[chars]' from Version [dec].[dec].[dec] to
[dec].[dec].[dec].
```

Explanation The disk database specified is being upgraded from the specified version to the specified version.

Action No action required.

`DBM-7-DBDOWNGRADE:` Downgrading Disk Db '`[chars]`' to `[dec].[dec].[dec]`. Changes may be lost!

Explanation The disk database specified is being downgraded to the specified version.

Action No action required.

`DBM-7-TBLCREATE:` Creating Disk Db Table '`[chars]`' Num Elmts=`[dec]` Size=`[dec]` on disk.

Explanation The disk database table specified is being created for the first time on disk with the specified configuration.

Action No action required.

`DBM-7-SYNCSTART:` Starting sync for `[chars][chars]` on standby card.

Explanation The syncing of the specified database on the standby card has started. This must complete before the card will go to standby state.

Action No action required.

`DBM-7-SYNCCOMPLETE:` Sync complete for `[chars][chars]` on standby card.

Explanation The syncing of the specified database on the standby card is complete. This standby card can go to the standby state.

Action No action required.

`DBM-7-PMMACTION:` `[chars]` for `[chars][chars]`.

Explanation The specified shelf action for the specified database has happened.

Action No action required.

File Manager (FILM) Messages

This section contains the File Manager (FILM) messages.

FILM-7-SM_FW_DNLD_PASS: [chars]: Firmware Download passed for Slot [dec] Firmware
Download passed for Slot [dec]

Explanation Firmware was downloaded to the Service Module successfully.

Action No action required.

FILM-7-PXM_FW_DNLD: Downloaded PXM Revision : [chars]

Explanation This information event indicates that PXM Firmware has been downloaded.

Action No action required.

FILM-7-PXM_BKUP_DNLD: Downloaded PXM Backup Boot Revision : [chars]

Explanation PXM Backup Boot Code has been downloaded.

Action No action required.

FILM-4-BASISTSKSPWNERR: [chars]: Spawn Task Failed TaskName: [chars] Slot No :
[dec] File Type : [dec]

Explanation Unable to create a new task.

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.

FILM-4-MSGQ_ERR: QName: [chars] SlotNo: [dec] FileType: [dec] Msg: [chars]

Explanation Unable to create a message queue.

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.

```
FILM-4-PARMINVALID: Parm [chars] value '0x[hex]' is invalid to [chars].
```

Explanation API Software Error. The parameter value for the named parameter passed in as an argument to the named function was invalid.

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.

```
FILM-4-DISKWRITEFAIL: EVENT_DUMP_TRACE 0 [chars]: Write to disk failed fileType
is [dec]
```

Explanation Unable to write file to disk.

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.

```
FILM-4-MSG2SCMFAIL: EVENT_DUMP_TRACE 0 [chars]: slotNum is [dec] opType is [dec]
fileType is [dec]
```

Explanation Unable to do intercard communication through SCM.

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.

```
FILM-4-FW_DNLD_FAILED: Failure Msg: [chars]
```

Explanation Firmware download failed.

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.

Cisco MGX 8250 Multiservice Gateway Error Messages

```
FILM-4-FOPEN_FAILED: EVENT_DUMP_TRACE 0 [chars]: slotNum [dec] fileType : [dec]
Msg: [chars]
```

Explanation Open API of the specified file failed.

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.

```
FILM-7-FOPEN_PASSED: [chars]: slotNum: [dec] fileType: [dec] Msg: [chars]
```

Explanation Open API of the specified file passed.

Action No action required.

```
FILM-4-FREAD_FAILED: EVENT_DUMP_TRACE 0 [chars]: fD: [dec] slotNo: [dec]
fileType: [dec] Msg: [chars]
```

Explanation File read failed.

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.

```
FILM-4-FWRITE_FAILED: EVENT_DUMP_TRACE 0 [chars]: fD: [dec] slotNo: [dec]
fileType: [dec] Msg: [chars]
```

Explanation File write failed.

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.

```
FILM-7-FCLOSE_EVENT: [chars]: slotNum: [dec] fileType: [dec] Msg: [chars]
```

Explanation Closing the specified file.

Action No action required.

```
FILM-4-COMPARE_EVT: EVENT_DUMP_TRACE 0 [chars]: Param1 [dec] Param2 [dec] slotNo
[dec] fileType [dec] Msg: [chars]
```

Explanation Card Type doesn't match the image header.

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.

Hot Standby (HSB) Messages

This section contains messages related to the Hot Standby feature.

HSB-4-FUNCFAILSTK: [chars] : HSB subsystem call to [chars] failed. rc=[dec].

Explanation The specified function call failed. It failed with the specified return code. A stack trace was generated.

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.

HSB-4-FUNCFAIL: [chars] : HSB subsystem call to [chars] failed. rc=[dec].

Explanation The specified function call failed. It failed with the specified return code.

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.

HSB-4-RAMDBINITFAIL: [chars] : Ram DB initialization failed.

Explanation HSB Ram DB initialization failed.

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.

Explanation HSB-4-RAMTBLREGFAIL: [chars]: Ram Table [chars] registration failed.

Explanation HSB Ram Table registration failed.

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.

HSB-4-RAMSTBYUPDFAIL: [chars] : Ram Table 0x[hex] update failed. Elt = [dec].

Explanation HSB Ram Table update to the standby failed.

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.

HSB-4-DBUPDINVACTION: [chars] : Standby update action [dec] invalid.

Explanation Standby Ram update failed. Invalid action requested.

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.

HSB-4-DBUPDINVELTS: [chars] : Standby update start elt [dec] num elts [dec].

Explanation Standby update needs has the wrong number of elements.

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.

HSB-4-FRMBUFTAKEERR: [chars] : Attempt to get SAR Buffer of len [dec] failed.

Explanation Attempt to allocate a SAR Frame buffer failed.

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.

HSB-4-SSIMSGSENDFAIL: [chars]: ssiMsgSendWaitslot [dec] ptr 0x[hex] len [dec] failed.

Explanation Sending of incremental update to Hot Standby failed.

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.

```
HSB-4-INCRUPDTFAIL: [chars]: hsbSendMessageToSmslot [dec] ptr 0x[hex] len [dec]
failed.
```

Explanation Forwarding of incremental update to Hot Standby failed.

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.

```
HSB-4-INCRUPDTDROP: Increment Update from slot [dec] to [dec] mib id row [dec]
dropped.
```

Explanation Incremental update dropped. Not in Hot Standby state yet.

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.

```
HSB-4-DNLDBRAMFAIL: [chars]: downLoadBramfrom [dec] to [dec] failed.
```

Explanation Downloading of the configuration to the card failed.

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.

```
HSB-4-BRAMNOTFOUND: [chars]: Could not find configuration file for slot [dec].
```

Explanation The configuration for the given slot was not found.

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.

Integrated Local Management Interface (ILMI) Messages

This section contains the Integrated Local Management Interface (ILMI) messages.

`ILMI-4-INIT_ERROR_ILMI: Init Error: [chars]`

Explanation Unable to create message queues during initialization.

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.

`ILMI-4-BAD_SNMP_VER: ILMI_BAD_SNMP_VERSION: [chars]`

Explanation Bad SNMP version.

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.

`ILMI-4-ILMI_PARSE_ERR: ILMI_AUTH_PARSE_ERR: [chars]`

Explanation SNMP community string purser error.

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.

`ILMI-5-UNKNOWN_MSG: UNknown message: [chars]`

Explanation Unknown message type received.

Action No action required.

`ILMI-4-SEND_MSG_ERROR: Send Message failed: [chars]`

Explanation Error during sending a message.

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.

`ILMI-4-RCV_MSG_ERROR: ILMI_RCV_MESSAGE_ERROR : [chars]`

Explanation Error in receiving a message.

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.

`ILMI-4-INV_COMM_STR: ILMI_INVALID_COMM_STRING: [chars]`

Explanation Invalid ILMI community string.

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.

`ILMI-4-ILMI_ASN1_ERR: ILMI_ASN1_PARSE_ERR: [chars]`

Explanation PDU paring function returned error.

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.

`ILMI-4-INVALID_PDU: ILMI_INVALID_PDU_TYPE: [chars]`

Explanation Received an invalid PDU.

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.

`ILMI-4-ILMI_TRAP_ERROR: ILMI_TRAP_ERROR: [chars]`

Explanation Error in ILMI trap.

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.

ILMI-4-MAKE_OCTET_ERR: ILMI_MAKE_OCTET_ERROR: [chars]

Explanation Error in making octet string.

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.

ILMI-4-MAKE_PDU_ERR: ILMI_MAKE_PDU_ERROR: [chars]

Explanation Error PDU building function returned error.

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.

ILMI-4-MAKE_VARBND_ERR: ILMI_MAKE_VAR_BIND_ERROR: [chars]

Explanation Error in making Var Bind.

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.

ILMI-4-CLONE_OID_ERR: ILMI_CLONE_OID_ERROR: [chars]

Explanation Clone Enterprise failed.

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.

ILMI-4-MAKE_AUTH_ERR: ILMI_MAKE_AUTHENT_ERROR: [chars]

Explanation Error in authenticating the community string.

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.

`ILMI-4-ILMI_SNMP_ERR: ILMI_SNMP_ERROR: [chars]`

Explanation SNMP related error happened.

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.

`ILMI-4-INV_PORT_NUM: INVALID_PORT_NUMBER: [chars] port no: [dec]`

Explanation Invalid port number in the parameter sent to this function.

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.

`ILMI-4-TBL_OVERFLOW: ILMI_PREFIX_TBL_OVERFLOW: [chars]`

Explanation ILMI PrefixTable overflow.

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.

`ILMI-4-ILMI_MSG_ERR: ILMI_MSG_ERROR: [chars]`

Explanation Error during sending a message.

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.

`ILMI-4-BUFALLOC_FAIL: ILMI_TX_BUFF_ALLOC_FAILS: [chars]`

Explanation Memory not available.

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.

ILMI-4-ILMI_OUT_OF_BUF: ILMI_OUT_OF_BUF : [chars]

Explanation Unable to allocate SAR buffer.

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.

ILMI-4-ILMI_SSI_XMT: ILMI_SSI_XMT_FAILURE : [chars] [dec]

Explanation Frame transmission function returned error.

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.

ILMI-4-SEM_GET_ERR: SEMAPHORE_GET_ERROR [chars]

Explanation Error while taking a semaphore.

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.

Installation Module (INST) Messages

This section contains the Installation Module (INST) messages.

INST-4-INSTALL_ERROR: Init Error: [chars]

Explanation Initialization error in upgrade task.

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.

INST-4-WRNG_EVT_RCVD: [chars] CurrentEvent = [dec]

Explanation Wrong event received.

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.

INST-4-GET_MSG_ERROR: Get Message: [chars]

Explanation Error in receiving messages.

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.

INST-4-GET_BUFF_ERROR: Get pipcGetBuffer Error: [chars]

Explanation Error in allocating a buffer.

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.

INST-4-GET_EVENT_ERROR: Get Event: [chars] [dec]

Explanation Bad event received.

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.

INST-5-UNKNOWN_MSG: UNknown message: [chars]

Explanation Unknown message type received.

Action No action required.

INST-4-SEND_MSG_ERROR: Send Message failed: [chars]

Explanation Error in sending a message.

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.

INST-4-RCV_MSG_FAILED: Init Error: [chars]

Explanation Error in receiving a message.

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.

INST-5-INVALID_SLOT_NO: Invalid Slot Number [chars] [dec]

Explanation This function received an invalid input parameter.

Action No action required.

INST-7-SLOT_NO_SET: updateSlotNum: Old S.N.= [dec] New S.N.=[dec]

Explanation Successful slot number update.

Action No action required.

`INST-7-GOT_SYNC_MSG: Got Sync Msg from INSTALL Msg Q Id = [dec]`

Explanation Received a sync message from INSTALL.

Action No action required.

`INST-7-TIMER_EXPIRED: Timer Expired = [chars]`

Explanation Timer expired notification.

Action No action required.

`INST-7-ACCESS_FILE_ERR: [chars] : File Access Error for Upgrade/Downgrade`

Explanation File read or write error.

Action No action required.

`INST-4-MSGTO: [chars] : timeout waiting for response`

Explanation Timeout waiting for response.

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.

`INST-4-MSGNAK: [chars] : negative ack received`

Explanation NAK message received notification.

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.

`INST-4-INVMSG: [chars] : invalid message type [dec]`

Explanation Invalid card message.

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.

```
INST-4-RCVERR: [chars] : error returned by ssiMsgReceive [dec]
```

Explanation Error in receiving a CLI message.

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.

```
INST-4-SENDERR: [chars] : error returned by ssiMsgSend [dec]
```

Explanation Error in sending a CLI message.

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.

```
INST-7-RESET: EVENT_WRITE_BRAM EVENT_NO_ACTION [chars]
```

Explanation Other PXM has successfully been reset.

Action No action required.

```
INST-7-ABORT: [chars] : aborting process current state [dec]
```

Explanation Starting the abort of all processes.

Action No action required.

```
INST-4-COPYERR: [chars] : error copying [chars] to other PXM [dec]
```

Explanation Downloading FW to a card failed.

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.

```
INST-7-COPY: [chars] : copying [chars] to other PXM
```

Explanation Downloading Firmware notification.

Action No action required.

`INST-7-COPYDONE: [chars]: copying [chars] to other PXM done`

Explanation Downloading of Firmware is successful.

Action No action required.

`INST-7-CHANGESTATE: [chars] : changing state from [dec] to [dec]`

Explanation Change of state notification.

Action No action required.

`INST-7-CHANGESTATETO: [chars] : changing state to [dec]`

Explanation Change of state notification.

Action No action required.

`INST-7-COMMAND0: [chars]`

Explanation rstupgrade command notification.

Action No action required.

`INST-7-COMMAND1: [chars] [chars]`

Explanation Beginning of install.

Action No action required.

`INST-7-COMMAND2: [chars] [chars] [chars]`

Explanation Notification of setting primary/secondary PXM image.

Action No action required.

`INST-7-COMMAND3: [chars] [chars] [chars] [chars]`

Explanation install command notification.

Action No action required.

Line Driver (LDRV) Messages

This section contains the Line Driver (LDRV) messages.

LDRV-4-DBNUMLINEINVLD: Function= [chars]: Line number [dec]..[dec] exceeded Max [dec] Line per PSM.

Explanation Config update function detected number of requested lines exceed the maximum number of line in the PSM.

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.

LDRV-4-DBVERSIONINVLD: Invalid Database version detected: for [chars] from:[dec].[dec] to:[dec].[dec]

Explanation Unable to update the configuration data base because of the invalid DB version number.

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.

LDRV-4-PORTNUMINVLD: [chars]:Invalid Port number: [dec]

Explanation Requested function detected invalid Port number passed.

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.

LDRV-4-UNKNOWNDCTYPE: In function [chars] Unknown Daughter card type [dec] is detected

Explanation The pio does not indicate a known daughter card type.

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.

`LDRV-4-RCMPCONINVLD: Invalid RCMP connection size: [dec] for the DC card = [chars]`

Explanation The DC identification bits are invalid for number of RCMP connection.

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.

`LDRV-4-FPGADNLDERR: Fpga download on card ID = [dec] failed`

Explanation System routine to download FPGA image on a card returns fail.

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.

`LDRV-4-BCDCMISMATCH: Back Card and Daughter card types don't match BC=[dec] DC=[dec]`

Explanation Back card and daughter card type are mismatched.

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.

`LDRV-4-LINEALARMCHG: Line Alarm on port = [dec] severity = [chars]`

Explanation Line alarm has been switched to a new state. The severity can be Major, Minor or Clear.

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.

`LDRV-4-LINESTATALARM: Statistical Alarm on Port: [dec] severity =[chars]`

Explanation Statistical alarm has been switched to a new state. The severity can be Major, Minor or Clear.

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.

```
LDRV-4-PLCPALARM: Plcp Alarm on Port: [dec] severity =[chars]
```

Explanation Plcp alarm has been switched to a new state. The severity can be Major, Minor or Clear.

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.

```
LDRV-4-PLCPSTATALARM: Plcp Statistical Alarm on Port: [dec] severity =[chars]
```

Explanation Plcp alarm has been switched to a new state. The severity can be Major, Minor or Clear.

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.

```
LDRV-7-CARDTYPEACTION: [chars] of type [chars] [chars]
```

Explanation Back card or Daughter card inserted or removed Line Driver enters Fail state if BC or DC is removed Line Driver enters Standby state if both BC and DC are inserted and matched.

Action No action required.

```
LDRV-4-UNKNOWNBCTYPE: Unknown Backcard card [dec]
```

Explanation The NOVRAM read from the card does not have a valid backcard type. The Line Driver enters Fail state until a valid back card is inserted.

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.

```
LDRV-4-RCMPRSTFAIL: RCMP reset Failed for DC type [chars]
```

Explanation RCMP reset fail for the specified Daughter card. Line Driver enters Fail state.

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.

LDRV-5-MSGLENGTHINVLD: Invalid Message length = [dec]

Explanation Invalid CMM Message length on this receive queue. Line Driver discarded the message.

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.

LDRV-5-CARDSTATEINVLD: Invalid card state set request [dec]

Explanation CMM requests to set an invalid card state. Line Driver discarded the message.

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.

LDRV-5-APPLTYPEINVLD: Invalid Message request type [dec]

Explanation CMM requests an invalid message type. Line Driver discarded the message.

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.

LDRV-5-MSGSRCIDINVLD: Message from an unexpected source [dec]

Explanation Message from an unexpected source. Line Driver discarded the message.

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.

LDRV-5-MISDIRECTEDMSG: Misdirected message [dec]

Explanation Message not intended for Line Driver is detected. Line Driver discarded the message.

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.

LDRV-4-RCVMSGFAILED: Unable to receive message in the message queue

Explanation SSI receive message routine detected an error. Message is being lost.

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.

LDRV-4-MIBCNFMISMATCH: HW card types don't match MIB cfg HW=[chars] MIB= [chars]

Explanation DC and C type did not match with the MIB config type This could happen when user is swapping different line cards. Line Driver will use default configuration.

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.

LDRV-4-SONETLINEINVLD: Invalid sonetLine/sonetCfg Number [dec] in Config data base. Expected lineNum= [dec]

Explanation Sonet Line number does not match with the configuration database.

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.

LDRV-4-SCRAMOPTINVLD: Invalid frameScrambling option = [dec] in Config data base

Explanation Invalid SONET Scrambling option is detected in the configuration. It has to be either enabled or disabled. Line Driver will reset config to default value.

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.

`LDRV-4-SONETMEDINVLD: Invalid sonet medium [dec] in BRAM is detected`

Explanation Invalid SONET medium is detected in the configuration. Line Driver will reset config to default value.

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.

`LDRV-4-SECTRACEINVLD: Invalid section Trace Number [dec] in Config data base is detected`

Explanation Invalid section Trace Number is detected in the configuration. Line Driver will reset config to default value.

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.

`LDRV-4-ALMSERVINVLD: Invalid statSeverity/lineAlmCfg [dec] in Config data base is detected`

Explanation Invalid statSeverity/lineAlmCfg is detected in the configuration. Line Driver will reset config to default value.

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.

`LDRV-4-DS3LNINVLD: Out of Range 1..255 dsx3LineLength= [dec] in Config data base is detected`

Explanation dsx3LineLength not in the range of 1–255. Line Driver will reset config to default value.

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.

```
LDRV-4-DS3REDSERV: Out of Range minor..major dsx3RedSeverity= [dec] in Config
data base is detected
```

Explanation dsx3RedSeverity is not in the detected minor–major range. Line Driver will reset config to default value.

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.

```
LDRV-4-DS3LINEINVLD: Invalid line number = [dec] in Config data base is detected.
Expected LineNum=[dec]
```

Explanation dsx3LineLength not in the range of 1–255. Line Driver will reset config to default value.

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.

```
LDRV-4-DBREGISTERERR: Fail to registering [chars] data base type = [dec] version=
[chars]
```

Explanation Unable to register the Line Driver data base. Ldrv task will not be able to spawn properly.

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.

```
LDRV-4-DBTBLERROR: Fail to register TBL [chars] NumElm=[dec] ElmSize=[dec]
Upgrd=0x[dec]wngrd=0x
```

Explanation Unable to register a table entry into the database. Ldrv task will not be able to spawn properly.

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.

```
LDRV-4-DBTBLIDINVLD: [chars] Table [chars]: is invalid. Table type=[dec] Line
Number=[dec]
```

Explanation Unable to read/update database entry because of invalid table ID. Ldrv task will not be able to spawn properly.

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.

```
LDRV-4-DBMISMATCH: Database does not matched with the line type =[dec]. Default
the configuration
```

Explanation The database has information that conflicts with the current Back card type. Line Driver will reset config to default value.

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.

```
LDRV-4-PLPPDS3LNINVLD: In Function [chars] Line number [dec] is invalid Not in
range of 1..2
```

Explanation Unable to read/write DSx3 PLPP register because of invalid line number.

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.

```
LDRV-4-PLPPOC3LNINVLD: In Function [chars] Line number [dec] is invalid Not in
range of 1..2
```

Explanation Unable to read/write OC3 PLPP register because of invalid line number.

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.

`LDRV-4-PLPPOC12LNINVLD: In Function [chars] Line number [dec] is invalid Not in range of 1..2`

Explanation Unable to read/write OC12 PLPP register because of invalid line number.

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.

`LDRV-4-CLKIMPINVLD: External Clock impedance = [dec] is invalid`

Explanation External Clock impedance is invalid. Expected value is 75 or 120 Ohms.

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.

`LDRV-4-CLKCONNINVLD: External Clock connector type = [dec] is invalid`

Explanation External Clock connector type is invalid. Expected value is RJ45 or SMB.

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.

`LDRV-4-CLKINBAND1INVLD: Inband recovered Clock line number = [dec] is invalid`

Explanation Inband recovered clock has invalid line number.

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.

`LDRV-4-CLKINBAND2INVLD: Inband Frame Pulse Clock has line number = [dec] is invalid`

Explanation Inband Frame Pulse Clock has invalid line number.

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.

LDRV-4-CLKOPTINVLD: Requested Inband Frame Pulse Clock source = [dec] but
configuration doesn't allow it

Explanation Requested Inband Frame Pulse Clock source but configuration doesn't allow it.

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.

LDRV-4-CLKSRCUNKNOWN: Unable to config requested clock source because clock
source [dec] is unknown

Explanation Unable to config requested clock source because clock source is unknown.

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.

LDRV-4-CLKMUXUNKNOWN: Unable to config requested clock source because clock MUX
[dec] is unknown

Explanation Unable to config requested clock source because clock MUX is unknown.

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.

LDRV-4-CLKSRCCHANGE: Current Clock source changed to [chars]

Explanation Line Driver Clock source changed the current clock source selection.

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.

LDRV-7-CLKSETREQ: Clock config Set for [chars] clock source

Explanation An SNMP config set request is made to the clock module to switch clock.

Action No action required.

```
LDRV-7-SETIFERR: Set Interface Type for Port = [dec] with invalid type [dec]
```

Explanation A request was made to set interface type with invalid ifType.

Action No action required.

```
LDRV-4-INVALID_PARMS: QUNI: Invalid Parameters: [chars] [dec]
```

Explanation Invalid parameters passed into function.

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.

```
LDRV-6-QUNI_CFG_COND: QUNI chip Cfg for all lines MIB_OBJ: [chars][dec]
```

Explanation Some of QUNI chip config parameters apply to all lines, even when a change is effected through one MIB object

Action No action required.

Operations Administration and Management Module (OAM) Messages

This section contains the Operations Administration and Management Module (OAM) messages.

OAM-7-INIT_SUCCESS: OAM : Task Init Success

Explanation   OAM Task Init Success.

Action   No action required.

OAM-7-RCV_MSG_FAIL: OAM : Message Receive Failed

Explanation   Message receive failed.

Action   No action required.

OAM-7-RCV_CELL_FAIL: OAM : Cell Receive from SAR Failed

Explanation   Failure in receiving a cell.

Action   No action required.

MGX Inter Process Communication (PIPC) Messages

This section contains the MGX Inter Process Communication (PIPC) messages.

PIPC-4-MAJ_ERR_LOG: [chars]

Explanation   PIPC Severe Error.

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.

MGX Management Module (PMM) Messages

This section contains the MGX Management Module (PMM) messages.

PMM-4-SWITCH_DEFAULT: Switch default: [chars] [dec]

Explanation The 'default' case in a switch statement has been hit.

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.

PMM-4-SWCH_DEF_STR: Switch default: [chars] [dec]

Explanation The 'default' case in a switch statement has been hit.

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.

PMM-4-SYNC_REQ_ERR: Sync request to [chars] with slot [dec] failed

Explanation Synchronization request between requested slots failed.

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.

PMM-4-BUF_ERR: Get Buffer failed: [chars] [dec]

Explanation Buffer allocation failed.

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.

PMM-4-MSG_RSP_ERR: MSG resp err: [chars] [dec]

Explanation Message error happened during sending a response.

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.

PMM-4-MSG_Q_ERR: MSG Q Err: [chars] [dec]

Explanation Error happened in sending a message.

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.

PMM-5-PMM_TOUT: PMM Timeout: [chars] [dec]

Explanation PMM time out.

Action No action required.

PMM-5-TMR_ERR: TimerError: [chars] [dec]

Explanation Application Timer Add function failed.

Action No action required.

PMM-7-SWITCHOVER: Switchover: [chars] [dec]

Explanation Card assuming Mastership.

Action No action required.

PMM-7-IF_ERR: Interface Error: [chars] [dec]

Explanation Input parameter to a function is invalid or a task reported error.

Action No action required.

`PMM-4-API_ERR: [chars]: External API [chars] returns Error\n`

Explanation   API Error. This error occurs when an API of a different module, such as SSI, returns an error.

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.

`PMM-5-TASK_SPAWN_ERR: [chars]: ssiTaskSpawn\[chars]\ [chars]: 0x`

Explanation   Unable to create a new task.

Action   No action required.

`PMM-7-INIT_ERR: INIT Error: [chars]`

Explanation   Initialization error.

Action   No action required.

`PMM-4-FSM_ERR: FSM Error: [chars] cur=[chars] prev=[chars] evt=[chars]`

Explanation   Invalid state or received invalid event as an input parameter.

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.

`PMM-7-FSM_RPT: FSM Report: [chars] cur=[chars] evt=[chars]`

Explanation   A peer communication between the Master and the slave happened.

Action   No action required.

`PMM-4-GO_ACTIVE_ERR: Go Active sync failed in module [chars]`

Explanation   Error occurred while trying to go active.

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.

```
PMM-7-RST_REQ: Reset request: [chars] [dec]
```

Explanation Resetting either Master or the Slave.

Action No action required.

```
PMM-4-DB_ERR: Database Error: [chars] [dec]
```

Explanation Database update failed.

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.

```
PMM-4-DNLD_ERR: Standby Update Error: [chars]
```

Explanation Download or RAM update error occurred.

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.

```
PMM-4-RED_STATUS: Redundancy Status Change for bit [chars] now [chars]
```

Explanation Redundancy status changed.

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.

```
PMM-7-BCAST_DATETIME: Periodic Broadcast of Date and Time to SMs and Standby PXM
```

Explanation This information event indicates that the date and time is broadcast periodically to SMs and Standby PXM.

Action No action required.

```
PMM-7-ENET_ENABLE: [chars]: Enabling Ethernet Interface on ActivePXM in Slot
[dec]
```

Explanation This information event indicates that the Ethernet interface on Active PXM is enabled.

Action No action required.

`PMM-7-CLR_DB_REQ: [chars]: Clearing the Database due to new FW download and reset request from Master PXM`

Explanation This information event indicates that the Database is to be cleared on the Standby, whenever a new fw is downloaded and reset request from Master PXM is issued.

Action No action required.

`PMM-7-NNAME_RCVD: [chars]: Nodename is [chars] Nodename Trap received by Platform PMM`

Explanation This information event indicates that the nodename from VSI Controllers (PAR) is received by the platform.

Action No action required.

`PMM-4-ADC_CONV_ERROR: ADC Conversion Failed`

Explanation ADC Conversion error happened.

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.

`PMM-4-ADC_ERROR: ADC Error`

Explanation ADC related error happened.

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.

`PMM-4-ADC_MIDCAL_ERR: ADC MidVoltage calculation error`

Explanation ADC MidVoltage calculation error.

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.

```
PMM-7-ASM_READING: ASM Reading : [chars]
```

Explanation Successfully Read Fan RPM.

Action No action required.

Queue Engine (QE) Messages

This section contains the Queue Engine (QE) messages.

QE-4-FAIL2REFRESH: QE Initialization Error: qeInitConfigReg

Explanation The specified QE is unable to initialize during the refresh cycle.

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.

QE-4-EXPMANTISAFAIL: QE Initialization Error: qeSetAcpCellCntRam

Explanation The specified QE is unable to convert Cell Loss Threshold into Exp format.

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.

QE-4-UNKNOWNINT: QE Unknown Interrupt Error: EQ No: [dec] status1 = [dec] status2 = [dec] status3 = [dec]\n

Explanation The specified QE got unknown interrupt signal from the system.

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.

QE-4-ERRINTERRUPT: QE Unknown Interrupt Error: QE No: [dec] status1 = [dec] status2 = [dec] status3 = [dec]\n

Explanation The specified QE got error interrupt signal from the system.

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.

Routing, Control, Monitoring, and Policing (RCMP) Messages

This section contains the Routing, Control, Monitoring, and Policing (RCMP) messages.

RCMP-4-INIT_ERR: rpDriverInit: Error exit due to [chars]

Explanation rpDriverInit routine failed.

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.

RCMP-7-GEN_ERR: [chars]

Explanation General Error.

Action No action required.

RCMP-7-ADD_CON_ERR: [chars] [dec]

Explanation Error while adding connections.

Action No action required.

RCMP-7-SRAM_ERR: [chars]

Explanation Static RAM read/write error occurred.

Action No action required.

Redundancy Module (RED) Messages

This section contains the Redundancy Module (RED) messages.

RED-7-MSGQSEND: ACRED: Could not send MSG to SM

Explanation AC_SEND_MSG_FAILED_ERR

Action No action required.

RED-7-GENERAL: ACRED: General ERROR

Explanation AC_GEN_ERR

Action No action required.

RED-7-INFORM: ACRED: Informational

Explanation AC_INFO_ERR)

Action No action required.

RED-7-MEMCORRT: ACRED: Memory corruption in system

Explanation AC_MEM_ERR

Action No action required.

RED-7-TIMEOUT: ACRED: State Time out

Explanation AC_TIME_OUT_ERR

Action No action required.

RED-7-WRONGMSG: ACRED: Wrong Message Received

Explanation AC_WRONG_MSG_ERR

Action No action required.

RED-7-DNLDERR: ACRED: Download BRAM Failed

Explanation AC_DWNL_BRAM_ERR

Action No action required.

RED-7-UPLDERR: ACRED: Upload BRAM Failed

Explanation AC_UPLD_BRAM_ERR

Action No action required.

RED-7-MSG_DATA_ERROR: msg data err [chars]

Explanation Message error. Data Errors and Unknown Msgs.

Action No action required.

RED-7-AC_SEND_MSG_ERR: Could not send MSG to SM [chars]

Explanation Auto Card send message failed error.

Action No action required.

RED-7-AC_GEN_ERR: General ERROR [chars]

Explanation Auto Card PMM related failure / BRAM related failure.

Action No action required.

RED-7-AC_INFO_ERR: Error Event [chars]

Explanation Autocard error event.

Action No action required.

RED-7-AC_MEM_ERR: Memory error in system [chars]

Explanation Auto Card memory error.

Action No action required.

RED-7-AC_TIME_OUT_ERR: State Time out [chars]

Explanation Auto Card time out error.

Action No action required.

RED-7-AC_WRNGMSG_ERR: ACRED: Wrong msg rcvd [chars]

Explanation Auto Card wrong message type error.

Action No action required.

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`RED-7-AC_DWNLBRAMERR: ACRED: Download BRAM Failed [chars]`

Explanation BRAM download error.

Action No action required.

`RED-7-AC_UPLDBRAMERR: ACRED: Upload BRAM Failed [chars]`

Explanation BRAM upload error.

Action No action required.

`RED-7-BADARCERR: [chars]: BAD Archive from slot [dec].`

Explanation Service Module received a bad configuration file.

Action No action required.

`RED-7-SMM_ERROR_GEN: General Error [chars]`

Explanation General system error.

Action No action required.

`RED-7-SMM_INFO: System Information : [chars]`

Explanation System Information.

Action No action required.

`RED-7-BAD_SHLF_SLOT: Bad shelf slot num [chars]`

Explanation SMM bad shelf slot.

Action No action required.

Remote File System (RFS) Messages

This section contains the Remote File System (RFS) messages.

RFS-4-NO_IPC_BUFFER: [chars]:[dec]: Could not get IPC buffer.

Explanation Unable to get buffer for communication.

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.

RFS-4-PORT_CREATE_ERR: Could not create port: [chars].

Explanation Unable to create port for communication.

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.

RFS-4-TASK_SPAWN_ERR: Could not spawn task [chars].

Explanation Unable to spawn task.

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.

RFS-4-UNKNOWN_MSG: Unknown message received at [chars]. Type: [dec].

Explanation Unknown message received.

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.

```
RFS-4-UNSUPPORTED_MSG: Unsupported message received at [chars]. Type: [dec].
```

Explanation Unsupported message received.

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.

```
RFS-4-REQ_DROP: RFS request type [dec] DROPPED.
```

Explanation RFS request dropped.

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.

RPM Management Module (RMM) Messages

This section contains the RPM Management Module (RMM) messages.

`RMM-4-NO_IPC_BUFFER: [chars]:[dec]: Could not get IPC buffer.`

Explanation   Unable to get buffer for communication.

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.

`RMM-4-PORT_CREATE_ERR: Could not create port: [chars].`

Explanation   Unable to create port for communication.

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.

`RMM-4-SEAT_CREATE_ERR: Could not create seat: [chars].`

Explanation   Unable to create seat for communication.

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.

`RMM-4-SEAT_DELETE_ERR: Could not delete seat: [chars].`

Explanation   Unable to delete seat.

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.

```
RMM-4-TASK_SPAWN_ERR: Could not spawn task [chars].
```

Explanation Unable to spawn task.

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.

```
RMM-4-UNKNOWN_MSG: Unknown message received at [chars]. Type: [dec].
```

Explanation Unknown message received.

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.

```
RMM-4-INIT_ACK_ERR: Could not ACK init of task [chars].
```

Explanation Unable to ack task init.

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.

```
RMM-4-TASK_INIT_ERR: Task initialization failed for [chars].
```

Explanation Unable to init task.

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.

```
RMM-4-TSK_GO_ACT_ERR: Task [chars] could not go ACTIVE.
```

Explanation Task unable to go ACTIVE.

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.

RMM-4-CRDRDY_WAIT_ERR: Wait for card ready failed for [chars].

Explanation Unable to wait for card ready in task.

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.

RMM-4-CRDACT_WAIT_ERR: Wait for card ACTIVE failed for [chars].

Explanation Unable to wait for the card to go ACTIVE.

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.

RMM-4-UNREACHABLE: Unreachability violation in [chars]:[dec].

Explanation Unexpected seat transport_type.

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.

RMM-7-RESYNC_SUCCESS: RMM seat resync success!!

Explanation RMM seat resync success!!

Action No action required.

RMM-4-SEAT_RESYNC_ERR: RMM seat resync failed.

Explanation Unable to resync seats.

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.

```
RMM-4-SEAT_NOT_UP: Seat not up to [chars].
```

Explanation Seat is not up.

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.

```
RMM-4-INIT_FAILURE: Initialization failure : [chars].
```

Explanation Initialization failure : check string for details.

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.

```
RMM-4-BAD_NUM_VALUE: [chars][dec]
```

Explanation Unexpected numeric value or return code.

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.

```
RMM-4-BAD_STR_VALUE: [chars][chars]
```

Explanation Unexpected string value or return code.

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.

RPM Virtual Task (RVT) Messages

This section contains the RPM Virtual Task (RVT) messages.

RVT-4-INIT_ERROR: Init Error : [chars]

Explanation Error occurred when RVT task tried to initialize.

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.

RVT-4-IOS_ERROR: IOS IPC Error : [chars]

Explanation An IOS IPC error occurred.

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.

RVT-4-BULK_SUBIF_ERR: RPM Bulk Update failed for slot [dec]

Explanation RPM sub interface bulk update failed. There will be inconsistency between the database in RPM and PXM.

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.

RVT-4-CONN_RESYNC_ERR: Conn Resync Error : [chars]

Explanation A conn resync error occurred.

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.

Segmentation and Reassembly (SAR) Messages

This section contains the Segmentation and Reassembly (SAR) messages.

SAR-4-SAR_DMA_ERR: SAR DMA Error : [chars] qe_no [dec] error-id [dec] error-loc [dec]

Explanation   DMA error has happened.

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.

Shelf Communication Module (SCM) Messages

This section contains the Shelf Communication Module (SCM) messages.

SCM-7-MSGQRCV: <[chars]> rcv msg error:

Explanation Error in receiving message.

Action No action required.

SCM-4-SPI_ERROR: [chars] [dec]

Explanation SPI path addition failed.

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.

SCM-4-INIT: psmScmInit failed

Explanation SCM initialization failed.

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.

SCM-4-UNKNOWN_MSG: unknown msg[chars] msgQid 0x[hex] srcId [dec] msgFmt [dec]
msgType 0x[hex]

Explanation Unknown message type received.

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.

```
SCM-4-SEND_FAIL: [chars] msgType 0x[hex] msgQid 0x[hex] msgLen [dec]
```

Explanation SCM SSI message send to application failed.

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.

```
SCM-4-OVERSIZE_FRAME: Over size frame [dec]
```

Explanation Frame bigger than the expected size received.

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.

```
SCM-4-UNKNOWN_VALUE: <[chars]> unknown [chars] [dec]
```

Explanation Unknown cardInx value.

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.

```
SCM-4-UNKNOWN_FRAME: unknown frame msgQid [dec] [chars] [dec]
```

Explanation Unknown frame received.

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.

```
SCM-4-WRONG_STATE: Wrong state: [chars]: slot [dec]: state [dec]
```

Explanation Card is in the wrong state.

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.

SCM-4-NULLPTR: <[chars]> Data pointer is NULL

Explanation NULL pointer encountered.

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.

SCM-4-SCM_Q_OVERFLOW: slot [dec] priority [dec]

Explanation SCM queue overflow.

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.

SCM-4-SCM_PRI_ERROR: slot [dec] priority [dec]

Explanation Retransmit queue is empty.

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.

SCM-4-NODEST: Card [dec] doesn't exist [dec] [dec]

Explanation Destination not present.

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.

SCM-4-SEQ_NUM_MISMTCH: Mismatched sequence number for slot[dec]: expected [dec] rcv [dec]

Explanation SCM frame sequence number mismatch.

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.

SCM-4-OUT_OF_BUF: [char] Out of buffer

Explanation SSI frame buffer allocation function returned error.

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.

SCM-4-SAR_RCV: Sar Rcv error rxStatus [dec]

Explanation Error in receiving SAR buffer.

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.

SCM-4-SSI_XMT: ssiFrameXmt failed, error status [dec]

Explanation Frame transmission error.

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.

SCM-4-RESP_TIMEOUT: Timeout waiting for response for slot [dec] report to PMM

Explanation Response time out.

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.

SCM-7-DEBUG: &msgEventScmDebug[0]

Explanation Debug event.

Action No action required.

Selftest Module (SLFT) Messages

This section contains the Selftest Module (SLFT) messages.

SLFT-4-SLFTST_FAILED: Card Fails due to Selftest Failure

Explanation Selftest of the card failed.

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.

Simple Network Management Protocol (SNMP) Messages

This section contains the Simple Network Management Protocol (SNMP) messages.

SNMP-4-INVALIDINPUT: One of the inputs to the function [chars] was invalid.

Explanation API Software Error. The parameter value for one of the parameters passed in as an argument to the named function was invalid.

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.

SNMP-4-PARMINVALID: Parm [chars] value '0x[hex]' is invalid to [chars].

Explanation API Software Error. The parameter value for the named parameter passed in as an argument to the named function was invalid.

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.

SNMP-4-PARMINVLENGTH: Parm [chars] invalid length of [dec] to [chars]. Max=[dec] Value='[chars]'

Explanation API Software Error. The named parameter passed in as an argument to the named function either had a length of zero or exceeded the maximum value specified.

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.

SNMP-4-FUNCFAILSTK: [chars] : SNMP subsystem call to [chars] failed. rc=[dec].

Explanation The specified function call failed. It failed with the specified return code. A stack trace was generated.

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.

```
SNMP-4-FUNCFAIL: [chars] : SNMP subsystem call to [chars] failed. rc=[dec].
```

Explanation The specified function call failed. It failed with the specified return code.

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.

```
SNMP-4-PARMOUTOFRANGE: [chars] : Parm [chars] '[dec]' is out of range
[dec]-[dec].
```

Explanation API Software Error. The parameter value for the named parameter passed in as an argument to the named function is out of the specified range of values.

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.

```
SNMP-4-MALLOCFAILED: [chars] : Call to ssiMalloc failed.
```

Explanation A call to allocate more memory has failed.

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.

```
SNMP-4-OPENTRANSFAIL: OpenTransport failed.
```

Explanation An attempt to open the IP layer transport failed.

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.

```
SNMP-4-BINDTRANSFAIL: BindTransport failed.
```

Explanation An attempt to bind to the IP layer transport failed.

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.

`SNMP-4-RCVFRTRNSFAIL: ReceiveFromTransport failed.`

Explanation An attempt to receive a message from the IP layer failed.

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.

`SNMP-4-MSGSENDFAIL: [chars]: cntpMsgSendQueue [chars] ptr 0x[hex] len=[dec] failed.`

Explanation An attempt to send a control point message failed.

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.

`SNMP-4-MSGRECVFAIL: [chars]: cntpMsgRecvQueue [chars] failed.`

Explanation An attempt to receive a control point message buffer failed.

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.

`SNMP-4-BADSRMSLOT: [chars]: Invalid SRM slot [dec].`

Explanation Invocation of a function using an invalid SRM slot.

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.

`SNMP-4-BADCARDTYPE: Could not send trap [dec] from slot [dec] sequence num [dec].`

Explanation An attempt to generate a trap resulted in an error. The card type of the originating slot could not be identified.

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.

SNMP-4-INVVARBIND: [chars] : Invalid Varbind type [dec].

Explanation An invalid varbind was detected during processing.

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.

SNMP-4-SEMCREATEERR: [chars] : cntpSemBCreate failed.

Explanation An attempt to create the control point semaphore failed.

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.

SNMP-4-SEMTAKEERR: [chars] : cntpSemBTakeBasisTrapSem 0x[hex] failed.

Explanation An attempt to take the control point semaphore failed.

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.

SNMP-4-SEMGIVEERR: [chars] : cntpSemBGiveBasisTrapSem 0x[hex] failed.

Explanation An attempt to give the control point semaphore failed.

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.

SNMP-4-BUFTAKEERR: [chars] : cntpMsgBufTakedataLn=[dec] failed.

Explanation An attempt to take a control point message buffer failed.

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.

SNMP-4-FRMBUFTAKEERR: [chars] : Attempt to get SAR Buffer of len [dec] failed.

Explanation An attempt to allocate a SAR Frame buffer failed.

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.

SNMP-7-TOOFEWVARBINDS: Trap [dec] from slot [dec] has only [dec] of the mandated Robust Trap varbinds.

Explanation An attempted trap generation was disallowed.

Action No action required.

SNMP-7-NOTRAPS: [chars] : Trap dropped because they are disallowed.

Explanation An attempted trap generation was disallowed.

Action No action required.

SNMP-6-TRAPLOG_WRAP: SNMP : Trap log wrapped around.

Explanation The RTM trap log buffer has wrapped around.

Action No action required.

SNMP-6-RPMPORTCLOSED: Port for RPM slot=[dec] already closed.

Explanation An attempt to close an RPM port failed because the port was already closed

Action No action required.

SNMP-4-RPMOPENPORT: Opening RPM Port [chars] for slot=[dec] failed.

Explanation An attempt to open an RPM port failed.

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.

SNMP-4-OPENPORT: [chars] : Opening Port [chars] failed.

Explanation An attempt to open an IPC port failed.

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.

SNMP-4-PROCESSDEQ: [chars] : Call to process_dequeue0x[hex] failed.

Explanation A call to process_dequeue() failed.

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.

SNMP-4-CREATEWATCHEDQ: [chars] : Call to create_watched_queue[chars] failed.

Explanation A call to create_watched_queue() failed.

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.

SNMP-4-CREATENAMEDPORT: [chars] : Call to ipc_create_named_port[chars] failed.

Explanation A call to ipc_create_named_port() failed.

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.

SNMP-4-GETPAKMSGFAIL: [chars] : Call to ipc_get_pak_message failed.

Explanation A call to ipc_get_pak_message() has failed.

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.

```
SNMP-4-IPCSENDMSGFAIL: [chars] : Call to ipc_send_message failed.
```

Explanation A call to ipc_send_message() has failed.

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.

```
SNMP-4-MSG_TOO_SMALL: [chars] : Message of len [dec] was rejected as too small.
```

Explanation A message of a given length was considered too small.

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.

```
SNMP-4-SOIINITFAIL: [chars] : Could not spawn PXM SOI Task.
```

Explanation A message of a given length was considered too small.

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.

```
SNMP-4-DISKDBINITFAIL: [chars] : Disk DB initialization failed.
```

Explanation SNMP Disk DB initialization failed.

Action opy 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.

```
SNMP-4-DISKTBLREGFAIL: [chars] : Disk Table [chars] registration
```
failed.

Explanation SNMP Disk Table registration failed.

Action opy 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.

```
SNMP-4-RAMDBINITFAIL: [chars] : Ram DB initialization failed.
```

Explanation SNMP RAM DB initialization failed.

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.

```
SNMP-4-RAMTBLREGFAIL: [chars] : Ram Table [chars] registration failed.
```

Explanation SNMP RAM Table registration failed.

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.

```
SNMP-4-RAMSTBYUPDFAIL: [chars] : Ram Table 0x[hex] update failed. Elt = [dec].
```

Explanation SNMP RAM Table update to the standby failed.

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.

```
SNMP-4-DBUPDINVACTION: [chars] : Standby update action [dec] invalid.
```

Explanation Standby RAM update failed. Invalid action requested.

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.

```
SNMP-4-DBUPDINVELTS: [chars] : Standby update start elt [dec] num elts [dec].
```

Explanation Standby update has the wrong number of elements.

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.

Error Message SNMP-4-DISKDBREADFAIL: [chars] : Disk DB Read failed.

Explanation Explanation SNMP Disk DB Read failed.

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.

SNMP-4-DISKDBUPDTFAIL: [chars] : Disk DB Update for elt [dec]

failed. Status [dec].

Explanation SNMP Disk DB Update failed.

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.

SNMP-5-MSG_DROPPED: SNMP request from [dec].[dec].[dec].[dec] dropped due to lack of buffers.

Explanation An SNMP request was dropped due to inadequate resources.

Action No action required.

SNMP-5-TRAP_DROPPED: Could not generate SNMP trap due to lack of buffers.

Explanation An SNMP trap was dropped due to inadequate resources.

Action No action required.

SNMP-5-TRAPBADSTATE: Could not generate SNMP trap because the PXM state was invalid.

Explanation An SNMP trap was dropped because PXM state was invalid.

Action No action required.

SNMP-5-NONRTMTRAP: Non-RTM SNMP trap generic trap = [dec] specific trap = [dec] disallowed.

Explanation An attempt to generate a non-RTM SNMP trap was rejected.

Action No action required.

```
SNMP-4-UNKNOWNMSG: Unknown message received by [chars] from source [dec]
```

Explanation A message was received from an unexpected source.

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.

```
SNMP-4-CLONETRAPERR: [chars]
```

Explanation API Error. Error in cloning an SNMP trap.

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.

Switch Path Interface (SPI) Messages

This section contains the Switch Path Interface (SPI) messages.

SPI-4-SDRV_PATH_ERR: Switch Driver Error : [chars] glcn [dec] error-id [dec]
error-loc [dec]

Explanation Switch Path related error.

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.

SPI-4-SDRV_CD_ERR: Switch Driver Error : [chars] error-id [dec] error-loc [dec]

Explanation Card driver error.

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.

SPI-4-SDRV_VI_ERR: Switch Driver Error : [chars] vi [dec] error-id [dec]
error-loc [dec]

Explanation VI related error.

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.

SPI-4-SDRV_QB_ERR: Switch Driver Error : [chars] qbin [dec] error-id [dec]
error-loc [dec]

Explanation QB error.

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.

```
SPI-4-SDRV_ERR: Switch Driver Error : error-id [dec]
```

Explanation SDRV error.

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.

Switch Path Management (SPM) Messages

This section contains the Switch Path Management (SPM) messages.

SPM-7-SHELFDB_INIT: Shelf Archive file header init failed [chars]

Explanation Failed to initialize shelf archive file header.

Action No action required.

SPM-7-SPM_SMDB_INIT: Slot [dec] Mib [dec] Archive Init Failed [chars]

Explanation Failed to initialize slot archive file.

Action No action required.

SPM-4-SPM_EPTDB_BAD: SPM database corrupt [chars]

Explanation SPM database corruption.

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.

SPM-7-RM_RAMDB_INIT: Resource Mgr Ram DB init failed [chars]

Explanation Failed to initialize Resource RAM Database.

Action No action required.

SPM-7-SPM_TIMER_ERROR: Timer operation error [chars]

Explanation Failed to start the timer.

Action No action required.

SPM-7-SPM_MEM_ERROR: Memory allocation error [chars]

Explanation Failed to allocate memory.

Action No action required.

SPM-7-SPM_MSG_ERROR: Message send failed [chars]

Explanation Failed to send message.

Action No action required.

SPM-7-SPM_ERR_GEN: [chars]

Explanation General error.

Action No action required.

SPM-4-RM_API_ERROR: [chars] [dec] [dec]

Explanation RM API parameter error.

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.

SPM-4-RM_NULL_PTR: EVENT_DUMP_TRACE EVENT_NO_ACTION [chars] is NULL

Explanation NULL pointer in RM API.

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.

SPM-4-SPM_BOTH_END_POINT_SAME_NSAP_VPI_VCI: [chars]: End points have same NSAP VPI and VCI FATAL ERROR: event SPM_BOTH_END_POINT_SAME_NSAP_VPI_VCI is more than 15 chars.

Explanation End points are same. End point includes nsap, vpi and vci.

Action No action required.

Service Resource Module (SRM) Messages

This section contains the Service Resource Module (SRM) messages.

SRM-4-DBTBLINIT_ERR: Fail to register TBL [chars] NumElm=[dec] ElmSize=[dec]
Upgrd=0x[dec]wngrd=0x

Explanation Database Table initialization error.

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.

SRM-4-SRMCT_DBREG_ERR: Fail to registering [chars] data base type = [dec]
version= [chars]

Explanation Unable to register the SRM TASK data base SRMCT task will not be able to spawn properly.

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.

SRM-4-DBTBLIDINVLD: [chars] Table [chars]: is invalid. Table type=[dec] idx
=[dec]

Explanation Unable to read/update data base entry because of invalid table ID SRMCT task will not be able to spawn properly.

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.

SRM-4-DBTBLINVLD: [chars] Table [dec]: is invalid. Table type=[dec] idx =[dec]

Explanation Unable to read/update data base entry because of invalid table ID SRMCT task will not be able to spawn properly.

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.

SRM-4-SRMCT_INIT_ERR: Init Error: [chars]

Explanation SrmComTask initialization error.

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.

SRM-7-SRMCT_CD_INS: Got SRM Card Insert Msg. from PMM Slot [dec]

Explanation Card insertion notification.

Action No action required.

SRM-7-SRMCT_CD_REM: Got SRM Card Remove Msg. from PMM Slot [dec]

Explanation Card removal notification.

Action No action required.

SRM-7-SRMCT_BC_INS: SRM Back Card inserted or detected Slot [dec]

Explanation Successful back card detection.

Action No action required.

SRM-7-BC_MISSING: SRM Back Card missing or failed Slot [dec]

Explanation Unable to detect the back card.

Action No action required.

SRM-7-UNKNOWN_STATE: SRMCT entered in unknown state. Slot [dec]

Explanation SRM card in unknown state

Action No action required.

SRM-7-UNKNOWN_SRM: Unknown SRM card detected Slot [dec]

Explanation Unknown SRM card detected.

Action No action required.

SRM-7-PIO_INIT_FAIL: SrmInit: Failed to initialise PIOs Slot [dec]

Explanation PIO initialization failure.

Action No action required.

SRM-7-CARD_LOOSE: Card Loose

Explanation SRM PIOs indicate that the card is not inserted properly.

Action No action required.

SRM-7-XIL_IMG_ID: SRM Xilinx IMG ID. for slot [dec] [chars]

Explanation XIL image encountered.

Action No action required.

SRM-7-XIL_IMG_ERR: SRM Xilinx IMG Slot [dec] [chars]

Explanation Function that gets XIL image failed.

Action No action required.

SRM-7-XIL_DNLD_FAIL: SRM Xilinx download failed Slot [dec]

Explanation SRM XILINX down failed.

Action No action required.

SRM-7-SRMCT_FAIL_MSG: Received FAIL msg. from SRBM Task. Slot [dec]

Explanation SRM card failure message received.

Action No action required.

SRM-7-INVALID_MSG: SrmMsgHandler: Rcvd. Invalid request

Explanation Invalid SRM message received.

Action No action required.

SRM-7-CLR_SRM_CNF: Cleared SRM configuration

Explanation Successful SRM clear configuration.

Action No action required.

SRM-7-CLR_SRM_CNF_ERR: Clear SRM configuration error: [chars]

Explanation SRM configuration error.

Action No action required.

SRM-7-SRM_MISMATCH: SRM CARD MISMATCH:instance = [dec] HWREV= [hex] [chars]

Explanation SRM CARD went in to Mismatch because this hardware revision is not supported in POPEYE

Action No action required.

SRM-7-LEGACY_ERR_RPT: Srbm Error Rpt: [chars]: [chars]

Explanation Srbm error has occurred.

Action No action required.

Cisco MGX 8250 Multiservice Gateway Error Messages ■

System Service Interface (SSI) Messages

This section contains the System Service Interface (SSI) messages.

SSI-4-ARCH_ERROR: Archive Error : [chars]

Explanation The archive file doesn't exist on the service module.

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.

SSI-4-PARMINVALID: Parm [chars] value '0x[hex]' is invalid to [chars].

Explanation API Software Error. The parameter value for the named parameter passed in as an argument to the named function was invalid.

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.

SSI-4-PARMMAXEXCEEDED: Parm [chars] '[dec]' has exceeded max [dec] to [chars].

Explanation API Software Error. The parameter value for the named parameter passed in as an argument to the named function exceeded maximum value specified.

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.

SSI-4-PARMOUTOFRANGE: Parm [chars] '[dec]' is out of range [dec]-[dec] to [chars].

Explanation API Software Error. The parameter value for the named parameter passed in as an argument to the named function is out of the specified range of values.

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.

`SSI-6-RESETDUMPTRACE: A function trace dump is available from the last reset.`

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.

Action No action required.

`SSI-3-EXCEPTION: Software Exception: Vector [dec] EPC: 0x[hex] ADDR: 0x[hex].`

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.

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.

`SSI-4-ISRNOTCALLABLE: Function [chars] cannot be called by Interrupt Service Routine.`

Explanation The named function was called by an interrupt service routine and it cannot perform any blocking function calls.

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.

`SSI-4-TBLSEMTAKEFAIL: Unable to take Vx semaphore [chars] table. Errno=[hex]`

Explanation The VxWorks semaphore used to protect the specified system table was not able to be taken. SSI may not be initialized properly.

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.

`SSI-4-OBJCREATENOMEM: [chars] creation failed due to memory shortage in Vxworks partition.`

Explanation Creation of a Vxworks object failed due to a memory shortage in the VxWorks system memory partition.

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.

`SSI-4-SEMTBLFULL: The system semaphore table is full. All [dec] entries are used.`

Explanation The system semaphore table is full. There are no more entries available to create an SSI_SEMID. The system limit needs to be increased or dynamically created semaphores are not being deleted.

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.

`SSI-4-SEMDAINVALID: Deadlock action [dec] is invalid to create SSI semaphore.`

Explanation An invalid deadlock action value was passed in as an argument to create an SSI semaphore.

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.

`SSI-4-SEMTYPEINVALID: Sem Type [dec] is invalid to create SSI semaphore.`

Explanation An invalid semaphore type value was passed in as an argument to create an SSI semaphore.

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.

```
SSI-4-SEMOPTINVALID: Sem Option [dec] is invalid to create SSI semaphore of type
[dec].
```

Explanation An invalid semaphore option value was passed in as an argument to create an SSI semaphore.

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.

```
SSI-4-SEMSTATEINVALID: Sem Initial State [dec] is invalid to create SSI
semaphore.
```

Explanation An invalid semaphore initial state value was passed in as an argument to create an SSI semaphore.

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.

```
SSI-4-SEMCREATEFAIL: Semaphore creation failed. Errno=[hex].
```

Explanation Creation of a semaphore failed unexpectedly.

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.

```
SSI-4-SEMIDINVALID: An invalid SSI_SEMID of [chars] passed as an argument.
```

Explanation An invalid SSI semaphore id was passed in as an argument into the function. The SSI_SEMID is in the incorrect format.

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.

```
SSI-5-SEMIDDELETED: SSI_SEMID [chars] deleted and no longer exists.
```

Explanation The SSI semaphore id that was passed in as an argument is no longer valid. The SSI_SEMID probably has been deleted.

Action No action required.

`SSI-5-SEMDELUNOWN: SSI_SEMID [chars] being deleted and is owned by another task`

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.

Action No action required.

`SSI-4-SEMDELFAIL: Delete of semaphore [dec]ed. Errno=[hex]`

Explanation The deletion of VxWorks semaphore used to implement the SSI_SEMID failed unexpectedly. Memory resources may have been lost.

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.

`SSI-4-SEMTAKEFAIL: Take of semaphore [dec]ed. Errno=[hex]`

Explanation The Take of VxWorks semaphore used to implement the SSI_SEMID failed unexpectedly.

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.

`SSI-4-SEMGIVEUNOWN: SSI_SEMID [chars] not owned by giving task. It is owned by task`

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.

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.

`SSI-4-SEMGIVEFAIL: Give of semaphore [dec]ed. Errno=[hex]`

Explanation The Give of VxWorks semaphore used to implement the SSI_SEMID failed unexpectedly.

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.

`SSI-4-SEMFLUSHINV: SSI_SEMID [dec]ushed - operation invalid.`

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

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.

`SSI-4-SEMFLUSHFAIL: Flush of semaphore [dec]ed. Errno=[hex]`

Explanation The Give of VxWorks semaphore used to implement the SSI_SEMID failed unexpectedly.

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.

`SSI-4-MQTBLFULL: The system message queue table is full. All [dec] entries are used.`

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.

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.

`SSI-4-MQMAXINVALID: Max messages value [dec] is invalid to create SSI message queue.`

Explanation An invalid maximum number messages in the message queue was passed in as an argument to create an SSI message queue.

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.

`SSI-4-MQMLENINVALID: Message length [dec] is invalid to create SSI message queue.`

Explanation An invalid message length value was passed in as an argument to create an SSI message queue.

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.

`SSI-4-MQOWNERINVALID: Owning Task [chars] invalid to create SSI message queue.`

Explanation An invalid owner task id value was passed in as an argument to create an SSI message queue.

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.

`SSI-4-MQOWNERNOTEXIST: Owning Task [dec]oes not exist to own created SSI message queue.`

Explanation An nonexistent owner task id value was passed in as an argument to create an SSI message queue.

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.

`SSI-4-MQCREATEFAIL: Message Queue creation failed. Errno=[hex].`

Explanation Creation of a message queue failed unexpectedly.

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.

SSI-4-MQSEMCRTFAIL: Creation of sync semaphore for SSI_MQID failed. Errno=[hex]

Explanation The creation of VxWorks semaphore used to synchronize multiple SSI_MQID message queues failed unexpectedly.

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.

SSI-4-MQIDINVALID: An invalid SSI_MQID of [chars] passed as an argument.

Explanation An invalid SSI message queue id was passed in as an argument into the function. The SSI_MQID is in the incorrect format.

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.

SSI-5-MQIDDELETED: SSI_MQID [chars] deleted and no longer exists.

Explanation The SSI message queue id that was passed in as an argument is no longer valid. The SSI_MQID probably has been deleted.

Action No action required.

SSI-4-MQQUOTAINVALID: Message queue quota value [dec] is invalid for SSI_MQID

Explanation An invalid message queue quota value was passed in as an argument to set the quota on a SSI message queue.

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.

SSI-4-MQSEMDELFAIL: Delete of sync semaphore [dec]ed. Errno=[hex]

Explanation The deletion of VxWorks semaphore used to synchronize multiple SSI_MQID message queues failed unexpectedly. Memory resources may have been lost.

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.

SSI-4-MQDELFAIL: Delete of message queue [dec]ed. Errno=[hex]

Explanation The deletion of VxWorks message queue used to implement the SSI_MQID failed unexpectedly. Memory resources may have been lost.

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.

SSI-4-MQFLSHRECVFAIL: Receive to flush Vx Message Queue [dec]ed. Errno=[hex].

Explanation The receive on the VxWorks message queue to flush it failed unexpectedly. It could have been corrupted or deleted unexpectedly

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.

SSI-4-MQSENDLENINV: Message length of [dec] to send to SSI_MQID [chars] invalid.

Explanation An invalid message length value was passed in as an argument to send message to an SSI message queue.

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.

SSI-4-MQSENDFAIL: Send to Vx msgQ [dec]ed. Errno=[hex]

Explanation The send to VxWorks message queue used to implement the SSI_MQID failed unexpectedly.

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.

SSI-4-MQSEMGIVEFAIL: Give of sync semaphore [dec]ed. Errno=[hex]

Explanation The give of VxWorks semaphore used to synchronize multiple SSI_MQID message queues failed unexpectedly.

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.

SSI-4-MQISRSENDNZTO: Send to SSI_MQID [chars] done with timeout [dec] by ISR.

Explanation The send to message queue was done by an Interrupt Service Routine with a non zero timeout value. ISRs cannot block.

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.

SSI-4-MQRECVLENINV: Message length of [dec] to receive from SSI_MQID [chars] invalid.

Explanation An invalid message length value was passed in as an argument to receive message from an SSI message queue.

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.

SSI-4-MQRECVFAIL: Receive from Vx msgQ [dec]ed. Errno=[hex]

Explanation The receive from VxWorks message queue used to implement the SSI_MQID failed unexpectedly.

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.

SSI-4-MQSEMTAKEFAIL: Take of sync semaphore [dec]ed. Errno=[hex]

Explanation The give of VxWorks semaphore used to synchronize multiple SSI_MQID message queues failed unexpectedly.

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.

SSI-4-MQHNDLRINVALID: Msg Handler [chars] invalid to process msg for SSI_MQID

Explanation An invalid message handler function pointer value was passed in as an argument to create an SSI message queue that requires a message handler.

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.

SSI-4-MQHNDLRFAIL: Msg Handler [dec]ed processing msg for SSI_MQID [hex]

Explanation The message handler function returned failure while processing a message received in the SSI message queue.

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.

SSI-4-MQNUMMSGFAIL: Get num of msg in Vx msgQ [dec]ed. Errno=[hex]

Explanation Getting the number of messages in the VxWorks message queue used to implement the SSI_MQID failed unexpectedly.

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.

SSI-4-MQINFOPTRINV: Msg Info Ptr [chars] invalid to get info SSI_MQID

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

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.

SSI-4-MQINFOFAIL: Get info about Vx msgQ [dec]ed. Errno=[hex]

Explanation Getting the information about the VxWorks message queue used to implement the SSI_MQID failed unexpectedly.

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.

SSI-4-TASKTBLFULL: The system task table is full. All [dec] entries are used.

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.

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.

SSI-4-TASKSEMGIVEFAIL: Give of sync semaphore [dec]ed. Errno=[hex]

Explanation The give of VxWorks semaphore used to synchronize child SSI_TID initialization status with spawning parent failed unexpectedly.

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.

SSI-5-TASKINITPTO: SSI_TID [dec]nable to send init status because parent timed-out.

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.

Action No action required.

`SSI-5-TASKINITFAIL: SSI_TID [dec]ization failed. Errno=[hex] - Task suspended.`

Explanation The SSI_TID failed to initialize properly and was suspended to prevent further errors.

Action No action required.

`SSI-4-TASKIDINVALID: An invalid SSI_TID of [chars] passed as an argument.`

Explanation An invalid SSI task id was passed in as an argument into the function. The SSI_TID is in the incorrect format.

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.

`SSI-5-TASKIDDELETED: SSI_TID [chars] deleted and no longer exists.`

Explanation The SSI task id that was passed in as an argument is no longer valid. The SSI_TID probably has been deleted.

Action No action required.

`SSI-4-TASKDELFAIL: Delete of task [dec]ed. Errno=[hex]`

Explanation The deletion of VxWorks task used to implement the SSI_TID failed unexpectedly. Memory resources may have been lost.

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.

`SSI-5-TASKDELSAFE: SSI_TID [chars] safe from deletion and is suspended.`

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.

Action No action required.

`SSI-4-TASKRESUMEFAIL: Resume of task [dec]ed. Errno=[hex]`

Explanation The resumption of VxWorks task used to implement the SSI_TID failed unexpectedly.

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.

`SSI-4-TASKSUSPENDFAIL: Suspend of task [dec]ed. Errno=[hex]`

Explanation The suspension of VxWorks task used to implement the SSI_TID failed unexpectedly.

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.

`SSI-5-TASKSUSPENDSAFE: SSI_TID [chars] safe from deletion could be holding semaphores.`

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.

Action No action required.

`SSI-4-TASKPRIOINVALID: Task priority value [dec] is invalid to create SSI task.`

Explanation An invalid task priority number was passed in as an argument to create an SSI task.

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.

`SSI-4-TASKPGRPINVALID: Task priority group [dec] is invalid to create SSI task.`

Explanation An invalid task priority group was passed in as an argument to create an SSI task.

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.

`SSI-4-TASKAPPLINVALID: Task application id value [dec] is invalid to create SSI task.`

Explanation An invalid task application id value was passed in as an argument to create an SSI task.

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.

`SSI-4-TASKSTKSIZEINV: Task stack size value [dec] is invalid to create SSI task.`

Explanation An invalid task stack size value was passed in as an argument to create an SSI task.

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.

`SSI-4-TASKSUSPACTINV: Task suspended action value [dec] is invalid to create SSI task.`

Explanation An invalid task suspend action value was passed in as an argument to create an SSI task.

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.

`SSI-4-TASKFAILACTINV: Task fail action value [dec] is invalid to create SSI task.`

Explanation An invalid task fail action value was passed in as an argument to create an SSI task.

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.

SSI-4-TASKSEMCRTFAIL: Creation of sync semaphore for SSI_TID failed. Errno=[hex]

Explanation The creation of VxWorks semaphore used to synchronize SSI_TID initialization with parent failed unexpectedly.

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.

SSI-4-TASKSPAWNFAIL: Task spawn failed. Errno=[hex].

Explanation Spawning of a task failed unexpectedly.

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.

SSI-5-TASKINITACKTO: SSI_TID [dec] out initialization of child SSI_TID

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.

Action No action required.

SSI-4-TASKWACKFAIL: Failed to wait for init status from child SSI_TID [hex]

Explanation The parent SSI_TID was unable to wait for the send of initialization status from the child task.

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.

SSI-5-TASKDELMQOWN: SSI_TID [chars] being deleted and still owns message queues.

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.

Action No action required.

Cisco MGX 8250 Multiservice Gateway Error Messages

```
SSI-4-INVPPARTPTR: The private partition structure has not been allocated.
```

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).

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.

```
SSI-4-THREEPART: Attempted to create [dec] partitions only 3 allowed.
```

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

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.

```
SSI-4-MALLOC: Could not create partition info structure errno [dec].
```

Explanation An error was returned by malloc when attempting to allocate the partition info structure.

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.

```
SSI-4-NOSEMAPHORE: Could not create a semaphore to partition [dec] errno [dec].
```

Explanation An error was returned by semBCreate when attempting to create a semaphore.

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.

SSI-4-INVTYPE: The requested memory type is invalid [dec].

Explanation An attempt was made to allocate memory with a memory type parameter that is invalid. This indicates a software problem

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.

SSI-4-INVOPTION: The requested options flag is invalid [dec].

Explanation An attempt was made to allocate memory with an options flag parameter that is invalid. This indicates a software problem.

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.

SSI-4-ZEROSIZE: A request for 0 bytes was made.

Explanation An attempt was made to allocate 0 bytes. This indicates a software problem.

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.

SSI-4-INVLENGTH: The requested length [dec] is greater than partition 0x[hex] size [dec].

Explanation An attempt was made to allocate more memory than what is allocated for the partition.

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.

SSI-4-NOPARTINFO: An error was returned when trying to get partition info errno [dec].

Explanation While attempting to get the partition statistics, memPartInfoGet returned an error.

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.

SSI-4-BELOWTHRES: The number of free bytes [dec] is below the set threshold [dec] for partition [dec].

Explanation While attempting to allocate low priority memory, the number of free bytes is below the set threshold.

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.

SSI-4-NOPARTITION: Could not allocate [dec] bytes from partition 0x[hex] errno [dec].

Explanation An error was returned by memPartAlloc while attempting to allocate memory.

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.

SSI-4-NOTOWNER: A process 0x[hex] that is not the owner 0x[hex] is attempting to free block 0x[hex]

Explanation A process that is not the owner of allocated memory is attempting to deallocate the memory. This indicates a software error.

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.

`SSI-4-MEMPARTCREATE: An error was returned trying to create the partition 0x[hex] errno [dec]`

Explanation An error was returned by memPartCreate while attempting; to create the specified partition.

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.

`SSI-4-MEMPARTFREE: An error was returned trying to deallocate memory block at 0x[hex] errno [dec]`

Explanation An error was returned by memPartFree while attempting to deallocate memory.

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.

`SSI-4-STRANGEADDR: The memory address 0x[hex] is not within any of the partitions.`

Explanation The memory address is not within any of the partitions. This indicates a bad address or possible corruption of the memory partition structure.

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.

`Error Message SSI-4-CKINVLIST: Invalid sysChunkPoolList address 0x[hex] not on word boundary.`

Explanation The memory block address is not on a word boundary

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.

SSI-4-CKINVWRDADD2: Invalid memory block address 0x[hex] noton a word boundary.

Explanation The memory block address is not on a word boundary

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.

SSI-4-CKINVWRDADD: EVENT_RUN_LOG_FUNC ssiMemChunkData Invalid memory block address 0x[hex] not on a word boundary.

Explanation The memory block address is not on a word boundary

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.

SSI-4-PTINVWRDADD: EVENT_RUN_LOG_FUNC ssiMemData Invalid memory block address 0x[hex] not on a word boundary.

Explanation The memory block address is not on a word boundary

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.

SSI-4-INVMEMTYPE: EVENT_STKTRC | EVENT_RUN_LOG_FUNC ssiMemData Invalid memory type [dec] for memory block at 0x[hex].

Explanation The memory type stored in the header of the block is wrong. This indicates that the header has been corrupted or is invalid.

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.

`SSI-4-INVLENGTH1: EVENT_RUN_LOG_FUNC ssiMemData Invalid length for memory block at 0x[hex] owner 0x[hex] caller 0x[hex].`

Explanation The length stored by VxWorks is wrong. This indicates that memory has been corrupted.

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.

`SSI-4-INVMAGICCOOKIE: EVENT_RUN_LOG_FUNC ssiMemDataInvalid magic number 0x[hex] for memory block at 0x[hex].`

Explanation The magic number stored at the end of the block is wrong. This indicates that memory has been corrupted.

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.

`SSI-4-INVREFCOUNT: EVENT_RUN_LOG_FUNC ssiMemData Memory block at 0x[hex] is not allocated reference count = 0`

Explanation The reference count for the block is 0. This indicates that the block has already been freed.

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.

`SSI-4-INVVXWORKPART: EVENT_RUN_LOG_FUNC ssiMemData Invalid partition index [dec] for memory block at 0x[hex]`

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.

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.

SSI-4-INVPARTINDEX: EVENT_RUN_LOG_FUNC ssiMemData Invalid partition index [dec]
for memory block at 0x[hex]

Explanation The partition index in the header is invalid. This indicates that the header has been corrupted or is invalid.

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.

SSI-4-DOWNSTATIC: Not enough memory in the dynamic pool for [dec] bytes trying
static

Explanation The dynamic partition does not have enough space to allocate the specified number of bytes. The software will try to allocate the space from the static partition.

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.

SSI-4-DOWNVXWORKS: Not enough memory in the static pool for [dec] bytes trying
VxWorks' heap

Explanation The static partition does not have enough space to allocate the specified number of bytes. The software will try to allocate the space from the VxWorks heap.

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.

SSI-4-INVPARTADDR: EVENT_RUN_LOG_FUNC ssiMemData Invalid address 0x[hex] for
partition [dec] start:0x[hex] length:0x[hex]

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.

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.

`SSI-4-NOCHUNKSEMA: Couldn't create the mutex semaphore needed by the chunk memory manager [dec].`

Explanation The chunk memory manager could not create the mutex semaphore necessary for its operation.

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.

`SSI-4-NOCHUNKMEMALLOC: Couldn't allocate the memory for the pool.`

Explanation An error was returned by ssiMalloc when attempting to allocate the memory for the pool.

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.

`SSI-4-CHUNKSIZE: The calculate pool size [dec] is greater than the allocated memory size [dec].`

Explanation The required memory size was not allocated for this pool. This indicates a software problem.

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.

`SSI-4-CHUNKSEMTAKE: Couldn't take the mutex semaphore errno [dec].`

Explanation An error occurred when trying to acquire the mutex. This indicates a software problem.

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.

`SSI-4-CHUNKSEMGIVE: Couldn't release the mutex semaphore errno [dec].`

Explanation An error occurred when trying to release the mutex. This indicates a software problem.

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.

`SSI-4-CHUNKPOOLINUSE: The operation could not be tried because the pool is in use.`

Explanation The pool operation could not be tried because the pool is in use.

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.

`SSI-4-CHUNKINVID: The pool ID 0x[hex] is invalid.`

Explanation The pool ID is invalid. This indicates a software problem.

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.

`SSI-4-CHUNKSHORTAGE: The pool 0x[hex] doesn't have a chunk to allocate.`

Explanation The specified pool cannot allocate the requested chunks. This indicates a software problem.

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.

`SSI-4-CHUNKINVPTR: The chunk pointer is invalid.`

Explanation The chunk pointer is invalid. This indicates a software problem.

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.

SSI-4-CHUNKNOTALLOC: The chunk 0x[hex] is not allocated.

Explanation The chunk is not allocated. This indicates a software problem.

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.

SSI-4-CHUNKMAGICCKE: EVENT_RUN_LOG_FUNC ssiMemChunk Invalid magic number 0x[hex] for memory block at 0x[hex].

Explanation The magic number stored at the end of the block is wrong. This indicates that memory has been corrupted.

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.

SSI-4-CHUNKNOTPOOL: EVENT_RUN_LOG_FUNC

ssiMemChunkData The memory chunk at 0x[hex] has an invalid poolID 0x[hex].

Explanation The memory chunk specifies a nonexistant pool ID This indicates that memory has been corrupted.

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.

SSI-4-CHUNKDIFPOOL: EVENT_RUN_LOG_FUNC ssiMemChunkData The memory chunk at 0x[hex] is not from pool 0x[hex].

Explanation The memory chunk is not within the pool specified by the pool ID. This indicates that memory has been corrupted.

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.

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`SSI-4-CHUNKNOTOWNER: A process [dec] that is not the owner [dec] is attempting to free block 0x[hex]`

Explanation A process that is not the owner of allocated memory is attempting to deallocate the memory. This indicates a software error.

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.

`SSI-4-TIMERTBLFULL: The system timer table is full. All [dec] entries are used.`

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.

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.

`SSI-4-TIMERHANDLER: Attempt to create a system timer with invalid handler.`

Explanation An attempt was made to create a system timer with an invalid handler function.

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.

`SSI-4-TIMERNOCREATE: Unable to create Vx POSIX timer. Errno=[hex]`

Explanation An attempt to create a Vx POSIX timer failed. SSI timers may not be initialized properly.

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.

`SSI-4-TIMERNOCONNECT: Unable to connect handler functionto Vx POSIX timer.`
`Errno=[hex]`

Explanation An attempt to create a Vx POSIX timer failed. SSI timers may not be initialized properly.

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.

`SSI-4-TIMERNOCANCEL: Unable to cancel Vx POSIX timer. Vx Timer=[hex]`

Explanation An attempt to cancel a Vx POSIX timer failed. SSI timers may not be initialized properly.

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.

`SSI-4-TIMERNODELETE: Unable to delete Vx POSIX timer. Vx Timer=[hex]`

Explanation An attempt to delete a Vx POSIX timer failed. SSI timers may not be initialized properly.

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.

`SSI-4-TIMERINVALIDID: SSI function called with invalid ID. SSI Timer=[hex]`

Explanation An SSI function was called with an invalid timer ID. SSI timers may not be initialized properly.

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.

SSI-4-TIMERINVALIDENT: SSI function called with invalid entry. SSI Timer=[hex]
Vx Timer=[hex]

Explanation An SSI function was called for an invalid timer entry. SSI timers may not be initialized properly.

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.

SSI-4-TIMERINVALIDTSK: Attempt to manipulate timer by non-owning task. SSI
Timer=[hex] Task=[hex]

Explanation An SSI function was called to operate on a timer entry by a non-owning task. SSI timers may not be initialized properly.

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.

SSI-4-TIMERINVALIDVAL: Function called with invalid time value. Time val=[hex]

Explanation An SSI function was called with an invalid timer value. SSI timers may not be initialized properly.

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.

SSI-4-TIMERNOSETGET: An attempt to set or get a timer value failed. Time val=[hex]

Explanation An SSI function call to either set or get the. timer value failed. SSI timers may not be initialized properly.

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.

SSI-4-TIMERSIGERROR: An attempt to manipulate a signal failed. SSI Timer=[hex]

Explanation An SSI function call to manipulate a POSIX signal failed. This indicates corruption has occurred.

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.

SSI-4-TIMERINVTOD: An attempt to read the system time-of-day failed.

Explanation The function call to get the current time-of-day failed. This indicates corruption has occurred.

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.

SSI-4-MKTIMEFAIL: Mktime failed in [chars]. errno=[hex].

Explanation The function call to mktime to convert a broken down time to an integer second count failed with the error code specified.

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.

SSI-4-PUTENVFAIL: Putenv of string '[chars]' failed in [chars]. errno=[hex].

Explanation The function call to putenv to put a variable into the environment failed with the error code specified.

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.

`SSI-4-WDCREATEFAIL: SSI [chars] watchdog create failed in [chars]. errno=[hex].`

Explanation Unable to create the specified watchdog for the specified use in the named function. It failed with the specified error number.

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.

`SSI-4-WDSTARTFAIL: SSI [chars] watchdog start failed in [chars]. rc=[dec]`
`errno=[hex].`

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.

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.

`SSI-4-TMRCANCELINV: SSI Timeout event not found in [chars]. TmoFunc=[hex].`

Explanation The specfied timeout event could not be found in the named function. The value of the Timeout function and key are specified.

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.

`SSI-4-TMRNOTINIT: SSI Sync Timer not initialize for Task [dec]l [chars].`

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.

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.

```
SSI-4-TMRHNDLRFAIL: Sync Timeout Handler [dec]ed in [chars]. key=[hex] rc=[dec]
errno=[hex].
```

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.

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.

System Module (SYS) Messages

This section contains the System Module (SYS) messages.

SYS-7-STARTUP: System is up and the Reset Reason is: [[chars]]

Explanation System started after reset.

Action No action required.

SYS-7-VERSION: Boot Code Rev: [[chars]] FW Rev: [[chars]]

Explanation Version of Backup Boot and runtime FW image.

Action No action required.

SYS-2-TASKINITFAIL: Task[[chars]] failed of spawning

Explanation Failed to spawn task.

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.

SYS-1-TASKHOLDCPU: Task[[chars]] is holding CPU

Explanation System has detected a ready task.

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.

SYS-1-NOTASKHOLDCPU: unknown Task is holding CPU

Explanation System has detected a task that is ready but not using the CPU.

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.

SYS-1-RTTASKSUSPEND: Root Task is suspended due to task spawn NAK/timeout

Explanation The Root Task is suspended, because of a NAK or timeout trying to spawn the static tasks.

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.

SYS-1-BKTASKSUSPEND: Background Task is suspended and could not restart

Explanation The Background Task is suspended, and could not restart.

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.

SYS-6-BKTASKRESTART: Background Task is suspended and restart is successful

Explanation The Background Task got suspended, and restart is successful.

Action No action required.

SYS-1-TASKLOSTFATAL: Trouble-Task[[chars]]: action is SYSTEM RESET

Explanation A task has disappeared or suspended, and could cause system RESET.

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.

SYS-3-TASKLOST: Trouble-Task[[chars]]: action is [chars]

Explanation A task has disappeared or suspended.

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.

SYS-2-RECVTASKFAIL: Failed to [chars] Task[[chars]]

Explanation A task has disappeared or suspended, and SYSTEM is not RESET

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.

SYS-3-WRONGTYPTKRECV: Wrong Type[[dec]] to recv task[[chars]]}

Explanation taskRecover(): wrong type to recover a task.

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.

SYS-1-FILEOPENFAIL: failed to open event log file

Explanation Failed to open event log file.

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.

SYS-3-WRNGEVTLOG: Error Task receives a message other than ERR_LOG_MSG

Explanation Error Task has received a message other than the message type of ERR_LOG_MSG.

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.

SYS-2-PRIADJFAIL: Failed to adjust the priority Task[[chars]} TaskId[[dec]]

Explanation Failed to adjust the priority for a task.

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.

SYS-2-NOFNDPRITSK: Failure to find the highest priority ready task

Explanation Failure to find the highest priority ready task in trGet().

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.

SYS-3-BRAMFAIL: BRAM checksum failed: [dec]d [dec]d

Explanation BRAM checksum failed.

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.

SYS-2-EXCEPTION: [chars]

Explanation Exceptional Interrupt occurred.

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.

SYS-3-NOVRAM_1: [dec]

Explanation Invalid card type.

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.

SYS-2-NOVRAMFAIL: Novram on [chars] has checksum failure: [dec]d [dec]d

Explanation BRAM checksum failed.

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.

SYS-7-TEST_DUMP: [chars]

Explanation Test for Dump Trace.

Action No action required.

SYS-7-TEST_STACK: [chars]

Explanation Test for Stack Trace.

Action No action required.

SYS-7-TEST_DUMPSTK: [chars]

Explanation Test for Stack Trace and Dump Trace.

Action No action required.

SYS-7-TEST_BRAM: [chars]

Explanation Test for BRAM and Stack Trace and Dump Trace.

Action No action required.

SYS-7-TIMECHANGE: Time changed - Old Date/Time: [dec]/[dec]/[dec]
[dec]:[dec]:[dec]

Explanation This information event indicates that the date or time for the shelf has been updated. The new time is the timestamp on the event while the old time is given in the message.

Action No action required.

SYS-7-ZONECHANGE: Time zone changed - New: [chars]Offset [dec] Old: [chars]Offset
[dec]

Explanation This information event indicates that the time zone information for the shelf has been updated. The new and old time zone information is given in the message.

Action No action required.

SYS-4-MSGINVALID: Received invalid msg to [chars]. Size=[dec] Msg=[hex] [hex]
[hex] [hex] [hex]

Explanation The message received by the specified function as a parameter is invalid. The message
size and contents are specified.

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.

SYS-3-MSGPROCFAIL: Processing log messages failed [dec] consecutive times.
errno=[hex]

Explanation The processing of log messages failed the specified number of consecutive times. There
is a problem with the received messages or the receiving message queue. The last time failed with
the specified error number.

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.

SYS-7-LOGMSGCOUNTS: Log Message Counts: Evts [dec] Errs [dec] Inv [dec] EvtSave
[dec] ErrSave [dec]

Explanation The following counts were accumulated for processing of log messages. The first count
is the number of event messages processed. The second count is the number of error messages
processed. The third count is the number of invalid messages received. The fourth count is the
number of times event save has failed. The fifth count is the number of times error saving has failed.

Action No action required.

SYS-3-EVENTSAVEFAIL: Saving events to disk failed [dec] consecutive times.
errno=[hex]

Explanation The saving of events to disk failed the specified number of consecutive times. There is
a problem with saving the events to disk. The last time failed with the specified error number.

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.

SYS-7-SAVEFAILCOUNTS: Save Fail Counts: Total [dec] Open [dec] Creat [dec] Seek
[dec] Write [dec] Flush [dec]

Explanation The following counts were accumulated for saving events to disk. The first count is the
total number of saves that failed. The second count is the number of event file opens that failed. The
third count is the number of event file creates that failed. The fourth count is the number of event
file seeks that failed. The fifth count is the number of event file writes that failed. And the sixth count
is the number of event file flushes that failed.

Action No action required.

SYS-7-BOOTREGISTERS: Boot ResetType=0x[hex] PioInputs=0x[hex] ResetPc=0x[hex] StatusReg=0x[hex] CauseReg=0x[hex] CacheErr=0x[hex]

Explanation The values of the registers whenever a boot of the card happens. This gives detailed information what the state of the CPU was when the reset occurred.

Action No action required.

SYS-4-NETWORKUPERROR: Unable to activate [chars] interface.
[chars] failederrno=[hex]

Explanation The specified network interface failed to activate for the reason specified. It failed with the specified error number. This error could be due an incorrect IP configuration for the specified interface.

Action No action required.

SYS-4-NETSTANDBYERROR: Unable to start standby ethernet
interface. [chars] failederrno=[hex]

Explanation The standby Ethernet network interface failed to activate for the reason specified. It failed with the specified error number. This error could be due an incorrect IP configuration for the bootChange Ethernet values.

Action No action required.

SYS-4-IPCNFDBERROR: Ip Config Db Error. [chars] failed in [chars]. Errno=[hex]

Explanation The IP configuration RAM database had the specified database error in the function specified. It failed with the specified error number.

Action No action required.

Trivial File Transfer Protocol (TFTP) Messages

This section contains the Trivial File Transfer Protocol (TFTP) messages.

`TFTP-4-SOCKET_ERR: [chars]: Failed to Receive on Socket : [dec]`

Explanation Received error while trying to read data from TFTP socket.

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.

`TFTP-4-TASK_SPAWN_ERR: [chars]: Spawn Task Failed TaskName: [chars] TaskPriority: [dec]`

TaskStackSize: [dec]

Explanation Spawning of a task failed.

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.

VSM Connection Management (VCNM) Messages

This section contains the VSM Connection Management (VCNM) messages.

`VCNM-4-INIT_FAIL: VCNM : pipc port create failed : err [dec]`

Explanation Initialization failure.

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.

`VCNM-7-UNKNOWN_MSG: VCNM : Unknown pipc message received msgType = [dec]`

Explanation Unknown message received.

Action No action required.

`VCNM-7-UNKNOWN_TASK: VCNM : Message received with Invalid Task Id = [dec]`

Explanation Event received from unknown task.

Action No action required.

Virtual Switch Interface (VSI) Messages

This section contains the Virtual Switch Interface (VSI) messages.

VSI-4-VSI_MSG_LENGTH: VSI_MSG_LENGTH: [chars]

Explanation VSI msg length problem.

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.

VSI-4-VSI_PG_LENGTH: VSI_PG_LENGTH: functionCode[hex] pgFmtId[hex]

Explanation VSI pg length problem.

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.

VSI-4-SYNTAX_ERROR: VSI_SYNTAX_ERROR: functionCode[hex] msgStatus[hex]

Explanation Syntax error in parsing VSI message problem.

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.

VSI-4-VSI_CONTROLLER: VSI_CONTROLLER: [chars]

Explanation VSI Controller Problem.

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.

VSI-4-VSI_SAP: VSI_SAP: [chars]

Explanation VSI SAP problem.

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.

VSI-4-VSI_MSGQ: VSI_MSGQ: [chars]

Explanation VSI msg queue problem.

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.

VSI-4-VSI_SOCKET: VSI_SOCKET: [chars]

Explanation VSI socket problem.

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.

VSI-4-VSI_UNKNOWN_CMD: VSI_UNKNOWN_CMD: [hex]

Explanation Unknown VSI command.

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.

VSI-4-VSIS_TRAP: VSIS_TRAP: [chars] [dec]

Explanation VSI Slave trap problem.

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.

VSI-7-VSIS_TX: VSIS_TX: [chars]

Explanation VSI Slave transport problem.

Action No action required.

VSI-7-NULL_PTR: NULL_PTR at [chars]

Explanation NULL pointer

Action No action required.

VSI-4-MALLOC_FAIL: MALLOC_FAIL

Explanation ssiMalloc() failed.

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.

VSI-4-FREE_FAIL: FREE_FAIL

Explanation ssiFree() failed.

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.

VSI-4-FBALLOC_FAIL: MALLOC_FAIL

Explanation ssiFrameBufferAlloc() failed.

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.

VSI-4-FBFREE_FAIL: FREE_FAIL

Explanation ssiFrameBufferFree() failed.

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.

VSI-4-VSI_TIMER: VSI_TIMER: [chars]

Explanation VSI timer problem.

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.

VSI-4-VSI_CLK: VSI_CLK: [chars]

Explanation VSI clock source problem.

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.

VSI-7-SSI_VSI_IF: SSI_VSI_IF: [chars]

Explanation SSI VSI IF problem.

Action No action required.

Virtual Service Module (VSM) Messages

This section contains the Virtual Service Module (VSM) messages.

VSM-4-DISK_UPD_FAIL: VSM : [chars] : PXM Disk Update Failed

Explanation Disk update failed.

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.

VSM-4-VSM_UNDO_DEL_BBIF_FAILED: VSM : [chars] : Undo Port delete Failed FATAL ERROR: event VSM_UNDO_DEL_BBIF_FAILED is more than 15 chars.

Explanation Undo port delete failed.

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.

VSM-4-VSM_UNDO_MOD_BBIF_FAILED: VSM : [chars] : Undo Port modify Failed FATAL ERROR: event VSM_UNDO_MOD_BBIF_FAILED is more than 15 chars.

Explanation Undo port modify failed.

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.

VSM-4-VSM_UNDO_BBIF_FAILED: VSM : [chars] : Undo Port Failed FATAL ERROR: event VSM_UNDO_BBIF_FAILED is more than 15 chars.

Explanation Undo Port failed.

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.

```
VSM-7-VSM_BBIF_ADDED: VSM : Broadband Interface [dec] Added
```

Explanation BBIF successfully added.

Action No action required.


```
VSM-7-VSM_BBIF_DEL: VSM : Broadband Interface [dec] Deleted
```

Explanation Deleted BBIF successfully.

Action No action required.


```
VSM-7-VSM_BBIF_MOD: VSM : Broadband Interface [dec] Modified
```

Explanation Modified BBIF successfully.

Action No action required.


```
VSM-7-VSM_RSC_CNF_CHG: VSM : Conf Chg in Rsc Partition: ifNum [dec] ctrlr [dec]
rowStat [dec]
```

Explanation Configuration change occurred.

Action No action required.


```
VSM-7-BBCHAN_ADDED: VSM : Broadband Channel [dec] Added
```

Explanation BB channel has been successfully added.

Action No action required.


```
VSM-7-BBCHAN_DELETED: VSM : Broadband Channel [dec] Deleted
```

Explanation BB channel has been successfully deleted.

Action No action required.