EAGLE

Unsolicited Alarm and Information Messages Reference

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EAGLE Unsolicited Alarm and Information Messages Reference, Release 46.5

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About This User's Guide

This chapter describes the content and structure of the user's guide, indicates how to obtain help, details where to find related documentation, and provides other general information.

Overview

Unsolicited Alarm and Information Messages Reference describes the EAGLE system unsolicited alarm (UAM) and unsolicited information (UIM) messages sent to the system terminal whenever there is a system fault, whenever a previous fault condition is corrected, or when a subsystem, equipment, and/or service is placed in or taken out-of-service. Each message has a trouble code and text associated with the trouble condition.

> **Note:** EAGLE supporting ANSI networks make use of the LNP and SEAS features. EAGLE supporting ITU networks do not include these systems.

The manual is organized as follows:

- About This User's Guide provides general information about the organization of this manual.
- Message Type describes the different alarms and message types used in the EAGLE.
- UAM and UIM Troubleshooting Procedures provides procedures to use in response to unsolicited alarm messages (UAMs) and unsolicited information messages (UIMs) displayed by the EAGLE.
- In addition, the appendices of this manual provide useful reference material for maintenance, diagnostic, and troubleshooting activities:
  - Appendix A: UAM Balancing Matrix
  - Appendix B: Unsolicited Output Message Groups
  - Appendix C: Auto-Inhibit Hardware Verification Codes
- Glossary that provides a list of acronyms and abbreviations

Scope and Audience

This manual is intended for maintenance personnel who must maintain the EAGLE. The technician should be familiar with **SS7** protocols. The manual provides preventive and corrective procedures that will aid maintenance personnel in maintaining the EAGLE.

Preventive maintenance procedures are routines to be carried out on a scheduled basis to help prevent system failures. These routines are industry-standard recommendations and may be adopted to fit any company maintenance plan.

The corrective maintenance procedures are those used in response to a system alarm or output message. These procedures are EAGLE-specific and aid in the detection, isolation, and repair of faults.

Documentation Admonishments

Admonishments are icons and text throughout this manual that alert the reader to assure personal safety, to minimize possible service interruptions, and to warn of the potential for equipment damage.

Table 1-1 Admonishments

Icon	Description
	Danger: (This icon and text indicate the possibility of *personal injury*.)
	Warning: (This icon and text indicate the possibility of *equipment damage*.)
	Caution: (This icon and text indicate the possibility of *service interruption*.)
	Topple: (This icon and text indicate the possibility of *personal injury* and *equipment damage*.)

Manual Organization

This document is organized into the following chapters:

- About This User's Guide contains overview information about this reference manual, scope and audience and how to get technical assistance.
- Message Type provides an overview of the format of the alarm messages and their purpose.
- UAM and UIM Troubleshooting Procedures lists the alarm and information messages and their troubleshooting procedures.
- UAM Balancing Matrix includes tables with alarm types, severity and their clearing alarms.
- Unsolicited Output Message Groups provides a list of alarms and information messages and their corresponding output groups.

- Auto-Inhibit Hardware Verification Codes lists the auto-inhibit hardware verification codes.

My Oracle Support (MOS)

MOS (https://support.oracle.com) is your initial point of contact for all product support and training needs. A representative at Customer Access Support (CAS) can assist you with MOS registration.

Call the CAS main number at 1-800-223-1711 (toll-free in the US), or call the Oracle Support hotline for your local country from the list at http://www.oracle.com/us/support/contact/index.html. When calling, make the selections in the sequence shown below on the Support telephone menu:

1. Select 2 for New Service Request
2. Select 3 for Hardware, Networking and Solaris Operating System Support
3. Select one of the following options:
   - For Technical issues such as creating a new Service Request (SR), Select 1
   - For Non-technical issues such as registration or assistance with MOS, Select 2

You will be connected to a live agent who can assist you with MOS registration and opening a support ticket.

MOS is available 24 hours a day, 7 days a week, 365 days a year.

Emergency Response

In the event of a critical service situation, emergency response is offered by the Customer Access Support (CAS) main number at 1-800-223-1711 (toll-free in the US), or by calling the Oracle Support hotline for your local country from the list at http://www.oracle.com/us/support/contact/index.html. The emergency response provides immediate coverage, automatic escalation, and other features to ensure that the critical situation is resolved as rapidly as possible.

A critical situation is defined as a problem with the installed equipment that severely affects service, traffic, or maintenance capabilities, and requires immediate corrective action. Critical situations affect service and/or system operation resulting in one or several of these situations:

- A total system failure that results in loss of all transaction processing capability
- Significant reduction in system capacity or traffic handling capability
- Loss of the system's ability to perform automatic system reconfiguration
- Inability to restart a processor or the system
- Corruption of system databases that requires service affecting corrective actions
- Loss of access for maintenance or recovery operations
- Loss of the system ability to provide any required critical or major trouble notification

Any other problem severely affecting service, capacity/traffic, billing, and maintenance capabilities may be defined as critical by prior discussion and agreement with Oracle.

Related Publications

For information about additional publications related to this document, refer to the Oracle Help Center site. See Locate Product Documentation on the Oracle Help Center Site for more information on related product publications.

Customer Training

Oracle University offers training for service providers and enterprises. Visit our web site to view, and register for, Oracle Communications training:

http://education.oracle.com/communication

To obtain contact phone numbers for countries or regions, visit the Oracle University Education web site:

www.oracle.com/education/contacts

Locate Product Documentation on the Oracle Help Center Site

Oracle Communications customer documentation is available on the web at the Oracle Help Center (OHC) site, http://docs.oracle.com. You do not have to register to access these documents. Viewing these files requires Adobe Acrobat Reader, which can be downloaded at http://www.adobe.com.

1. Access the Oracle Help Center site at http://docs.oracle.com.
2. Click `Industries`.
3. Under the Oracle Communications subheading, click the `Oracle Communications documentation` link.

   The Communications Documentation page appears. Most products covered by these documentation sets will appear under the headings "Network Session Delivery and Control Infrastructure" or "Platforms."
4. Click on your Product and then the Release Number.

   A list of the entire documentation set for the selected product and release appears.
5. To download a file to your location, right-click the `PDF` link, select `Save target as` (or similar command based on your browser), and save to a local folder.

2

Message Type

This chapter provides an overview of the format of the messages and their general purpose.

System Alarm Levels

There are three levels of alarms in the EAGLE system. They are:

Critical
A critical alarm is an indication of a severe service affecting problem that can be related to traffic, billing, and maintenance capabilities and requires immediate maintenance attention, regardless of time of day.

Major
A major alarm is an indication of a problem that seriously affects system operation, maintenance and administration, etc. and requires immediate attention. The urgency is less than in critical situations because of a lesser immediate or impending effect on system performance, customers, and operating company operations and revenue.

Minor
A minor alarm is an indication of a problem that does not have a serious impact on service, and does not require immediate maintenance attention.

Note: Some UAMs are considered informational if they satisfy the following conditions in the SNMP V2 traps generated by EAGLE E5OAM:

1. The Alarm Level is stated as "No alarm condition" in this user's guide.
2. The alarm is not intended to clear any higher severity UAM as per the corresponding UAM Balancing Matrix.

These UAMs are informational only and neither contribute to the total number of alarms in the system nor change the alarm state of the device on EAGLE.

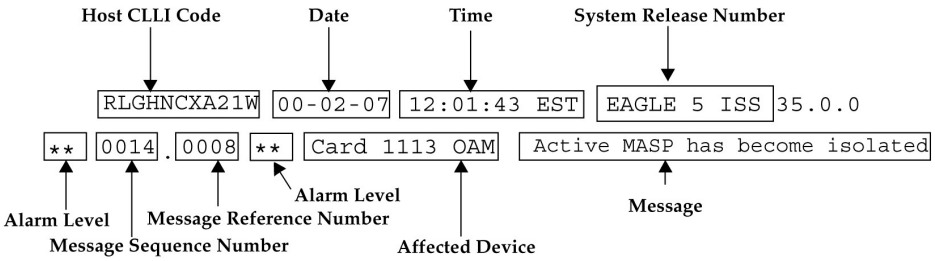
Output Messages

The EAGLE generates output messages in response to command input or fault conditions in the EAGLE or in the network. The format for these messages is generally uniform. Some messages include additional data.

Network messages provide the text description of the event, and on the lines below the text line, any additional information.

The following example shows the general format of an output message.

Figure 2-1 Output Message Format



The fields in an output message (shown in the figure above) are described next:

- Host **CLLI** code - a maximum of one alpha character and ten alphanumeric characters. The **CLLI** code uniquely identifies the system in terms of its physical location. The **CLLI** code must be unique among all elements in the system.

  The **CLLI** code consists of the following:

  – City = 4 characters

  – State = 2 characters

  – Building = 2 characters

  – Equipment type = 3 characters

- **Date** - The date the message was generated, in the format *year-month-day*.

- **Time** - The time the message was generated with time zone, in the format *hour: minutes: second time zone*.

- **System Release Number** - contains a system identifier and the version ID number. The system identifier, can be EAGLE or EAGLE5 depending on the product key enabled on the system. The version ID number has the software release specific GPL set that is expected to be installed on the system as approved loads. The format of the version ID number is in the form of **maj.min.maint**, defined as follows:

  – **maj** - the major release ID

  – **min** - the minor release ID

  – **maint** - the maintenance release ID

- **Alarm Level** - a one or two character indicator of the alarm level, defined as follows:

  – ***C** = Critical **Alarm**

  – ** = Major **Alarm**

  – * = Minor **Alarm**

  – *blank* = No **Alarm**

- **Message Sequence Number** - This number is an index for all output messages. The number increments sequentially for every message. The output messages originating from the card in location 1113 has a range from 0001 through 4999. The range for location 1115 is 5000 through 9999.

- **Message Reference Number** - Messages that are associated with a specific action are numbered for reference. These messages are defined in this chapter, along with a corrective action.
- **Affected Device** - The device that caused the message to be generated. This generally describes the card type.

Network messages with additional data display the additional lines below the text string and message reference number (**MRN**). See individual messages for examples of output.

All network messages are non-alarm and are used to notify the user of network events. There may or may not be a procedure associated with these messages.

Unsolicited Alarm Messages (UAM)

The system sends unsolicited alarm messages to the system terminal whenever there is a system fault, whenever a previous fault condition is corrected, when a subsystem, equipment, and/or service is placed in or taken out of service. Each message has a trouble code and text associated with the trouble condition.

Unsolicited Information Messages (UIM)

The system sends unsolicited information messages to the system terminal whenever there is a non-service affecting condition. This includes **MSUs** with invalid information, conversion failures, and/or a failed gateway screening function. Each message has a numbered code and informational text associated with the condition.

3

UAM and UIM Troubleshooting Procedures

UAMs

The following are UAMs that may be displayed.

0001 - Card has reset

This could have been the result of a manual reset, or software reset. If the system software detects trouble with a card, the processors on the card (application or communication processors) are reset by software. The system software is responsible for this function.

Example

```
   RLGHNCXA21W 94-02-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0001 ** CARD 1113 OAM   Card has reset
```

Alarm Level: Major

Recovery

1. The system recovers from this condition by reloading the card software.

   If the card continually resets, replace the affected card. Refer to the *Maintenance* manual for card removal/replacement procedures.

   The recovery message sequence should be similar to:

```
**  0057.0001 ** CARD 1201 SS7ANSI   Card has reset
    0058.0096    CARD 1201 SS7ANSI   Card has been reloaded
    0059.0236    SLK 1201,A nc00027  REPT-LKF: not aligned
    0060.0236    SLK 1201,B nc00027  REPT-LKF: not aligned
    0061.0200    SLK 1201,A nc00027  RCVRY-LKF: link available
    0062.0200    SLK 1201,B nc00027  RCVRY-LKF: link available
```

2. If the card resets without explanation or continues to reset, contact the My Oracle Support (MOS).

0008 - Active MASP has become isolated

This messages indicates the active **MASP** has a fault and the system switched to the standby **MASP**. This could be caused by the **MASP** losing a connection to the **IMT**, a failure with the **GPSM-II** card, or a card reset.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0008  ** CARD 1113 OAM         Active MASP has become isolated
```

Alarm Level: Major

Recovery

1. Enter the following command to check the status of the **IMT**: `rept-stat-imt`

   If the **IMT** is at fault, verify the **IMT** cables are connected to the shelf backplane (refer to the *Installation Manual* for cable locations).

2. If the state of the **IMT** appears good but the **GPSM-II** boots repeatedly, try reseating the **GPSM-II** card.

   If the problem persists, replace the **GPSM-II** card. Refer to the *Maintenance* manual for card removal/replacement procedures.

3. If the trouble does not clear, obtain any obituary reports and contact the My Oracle Support (MOS).

0012 - Invalid HW for Integrated Measurements

The E5-OAM Integrated Measurements feature runs on the **E5-MASP** card. This UAM indicates that the E5-OAM Integrated Measurements feature is enabled and on, but one of the paired **E5-MASP** cards was removed from the active or standby **MASP** locations and replaced with an incompatible **GPSM-II** (OAM) card.

Example

```
**  0014.0012 ** CARD 1113 OAM          Invalid HW for Integrated Measurements
```

Alarm Level: Major

Recovery

1. Replace the **GPSM-II** (OAM) card in the active or standby position with a working **E5-MASP** card so that the E5-OAM Integrated Measurements feature can run correctly.

   Refer to the *Maintenance* manual for card removal/replacement procedures.

0013 - Card is isolated from the system

This indicates a card has become isolated and is unable to communicate to other cards in the system. This could be caused by a defective card, a power failure occurred on the card, a **thermtrip** when the shutdown temperature is exceeded, or the system software ordering a reset.

This also appears when the card has been manually reset by a command.

Example

```
   RLGHNCXA21W 94-02-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0013  **  CARD 1113 OAM   Card is isolated from the system
              ASSY SN: 102199815a1234
```

Alarm Level: Major

Recovery

1. Enter the following command to check the status of the card:

   `rept-stat-card:loc=x:mode=full`

where *x* is the card location stenciled on the shelf of the system.

Following is an example of the possible output using card 1106:

```
integrat40 00-05-24 10:37:22 EST EAGLE 35.0.0
    CARD   VERSION      TYPE      APPL      PST           SST     AST
    1106   021-101-000  TSM       SCCP      IS-NR         Active  -----
      ALARM STATUS       = No Alarms.
      IMT VERSION        = 021-001-000
      PROM VERSION       = 021-001-000
      IMT BUS A          = Conn
      IMT BUS B          = Conn
      CLOCK A            = Active
      CLOCK B            = Idle
      CLOCK I            = Idle
      MBD BIP STATUS     = valid
      DB STATUS          = valid
      DBD MEMORY SIZE    = 64M
      SCCP SERVICE       = 1201, , 1214, 1215, 1217, 1102
      SCCP % OCCUP       = 0%
      SLK A   PST        = OOS-MT           LS=ls11234567  CLLI=
      SLK B   PST        = OOS-MT           LS=ls11345678  CLLI=
      SNM    TVG RESULT  = 24 hr: ------,  5 min: ------
      SLAN   TVG RESULT  = 24 hr: ------,  5 min: ------
      SCCP   TVG RESULT  = 24 hr: ------,  5 min: ------
    Command Completed.
```

2. If only one card is isolated, wait to see if the card is recovering.

   If not, reset the card.

3. If resetting the card does not clear the fault, reseat the card.

   Note: For EPM-B based cards, the CPU shuts down automatically when the shutdown temperature is exceeded (thermtrip). After the temperature returns to normal operating conditions, you must reseat the card to restore operation.

4. If reseating the card does not clear the fault, replace the card.

   Refer to the *Maintenance* manual for card removal/replacement procedures.

5. If the alarm still does not clear, contact the My Oracle Support (MOS).

0028 - IMT Bus util rate exceeds major thresh

This message indicates that the combined IMT bus utilization rate has exceeded its major threshold level.

Example

```
RLGHNCXA21W 09-02-07 12:01:43 EST  EAGLE 41.1.0
**  0590.0028 ** IMT SYSTEM        IMT Bus util rate exceeds major thresh
```

Alarm Level: Major

Recovery

1. Note the time, duration, and frequency of the alarm(s).

2. Enter the `rept-stat-mux` command to note the rate at which the high-speed ring is operating.
3. Note any unusual conditions, such as one IMT bus inhibited, mate failed, SS7 link failures, etc.
4. If this is an isolated occurrence, no further action is required other than monitoring the system for a re-occurrence.
5. If the problem persists and the high-speed ring is operating at "low bit rate," this is an indication that the system is operating at low capacity and an upgrade of the high-speed ring to operate at "high rate" is required. Contact the My Oracle Support (MOS) for information on how to purchase the HIPR2 High Rate Mode feature.
6. If the problem persists and the high-speed ring is operating at "high rate," contact the My Oracle Support (MOS) for assistance.

0031 - HIPR2 detected a major Congested Second

This message indicates that the congestion on an IMT bus segment has reached a level 2 congestion threshold. A congested second is a one-second time slice that contains 10 or more congestion events that happen on that node.

When there are no major congested second events reported for a node for a period of five minutes, the major congested alarm is replaced with the minor congested second alarm for that node.

Example

```
RLGHNCXA21W 09-02-07 12:01:43 EST  EAGLE 41.1.0
**  0590.0031 ** Card 1110         HIPR2 detected a major Congested Second
```

Alarm Level: Major

Recovery

1. Note the time, duration, and frequency of the alarm(s).
2. Enter the `rept-stat-mux` command to note the rate at which the high-speed ring is operating.
3. Note any unusual conditions, such as one IMT bus inhibited, mate failed, SS7 link failures, etc.
4. Note the segment(s) reporting the congestion.
5. If this is an isolated occurrence, no further action is required other than monitoring the system for a re-occurrence.
6. If the problem persists and the high-speed ring is operating at "low rate," this is an indication that the system is operating at capacity and an upgrade of the high-speed ring to operate at "high rate" is required. Contact the My Oracle Support (MOS) for information on how to purchase the HIPR2 High Rate Mode feature.
7. If the problem persists and the high-speed ring is operating at "high rate," contact the My Oracle Support (MOS) for assistance.

0041 - LSMS bulk load required

This message indicates that the entire system **LNP** database must be repopulated, either from the **LSMS** or a backup disk. This process must be started manually.

Example

```
  RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
* C0009.0041 *C LSMS SYSTEM        LSMS bulk load required
```

Alarm Level: Critical

Recovery

Refer to the *LNP Database Synchronization Manual* for the **LSMS** Bulk Load procedure.

0047 - Card type not valid for application

This message indicates that a **TSM** card was replaced by an **ASM** card. The **ASM** card is automatically inhibited because it is no longer supported.

Example

```
   station1234 00-11-30 16:28:08 EST  EAGLE 35.0.0
** 0012.0047  **  CARD 1109 Card type not valid for application
HW VERIFICATION CODE: xxx
```

HWVERIFICATIONCODE: xxx

Alarm Level: Major

Recovery

Replace the **ASM** card with the correct version of the **TSM** card.

Refer to the *Maintenance* manual for card removal/replacement procedures.

0051 - TSC sync is in simplex mode

Due to one or both **GPSM-II** cards being replaced with **MCAPs** after the feature bit has been set, the hardware configuration no longer supports the **TSC** Synchronization feature.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0051  ** CARD 1113  OAM    TSC sync is in simplex mode
```

Alarm Level: Major

Recovery

Replace the **MCAP**(s) with **GPSM-II** card(s).

Refer to the *Maintenance* manual for card removal/replacement procedures.

0053 - Standby TDM failure

This message indicates that the communication between the **GPSM-II** and **TDM** has failed.

Example

```
   station1234 94-03-30 16:28:08 EST EAGLE 35.0.0
** 0012.0053 **  CARD 1113 OAM         Standby TDM failure
```

Alarm Level: Major

Recovery

1. Enter the following command to verify card status:

   ```
   rept-stat-card
   ```

2. Enter the following command to verify the database status:

   ```
   rept-stat-db
   ```

3. Replace the failed **TDM**, that is in **IS-ANR** state with the backup **TDM**.

   Note: If possible, replace the card during the maintenance window.

   Refer to the *Maintenance* manual for card removal/replacement procedures.

0058 - Critical customer trouble detected

A critical customer trouble has been detected. There are connections on the control shelf backplane for customer detected troubles (**CDTs**). Each connection is assigned an identifier 1-16. **CDT** connections 2-4 are applicable to **UAM** 0058. **CDT** connections 6-8 are applicable to **UAM** 0059. **CDT** connections 10-16 are applicable to **UAM** 0060. The customer determines the connections on the backplane (these are dry contact closures). The system reports the alarm according to the connection location.

Example

```
   RLGHNCXA21W 96:07:02 11:02:30 EST  EAGLE 35.0.0
*C 0100.0058  *C CDT 4           Critical customer trouble detected
```

Alarm Level: Critical

Recovery

Follow local procedures for clearing the indicated trouble.

0059 - Major customer trouble detected

A major customer trouble has been detected. There are connections on the control shelf backplane for customer detected troubles (**CDTs**). Each connection is assigned an identifier 1-16. **CDT** connections 2-4 are applicable to **UAM** 0058. **CDT** connections 6-8 are applicable to **UAM** 0059. **CDT** connections 10-16 are applicable to **UAM** 0060. The customer determines the connections on the backplane (these are dry contact closures). The system reports the alarm according to the connection location.

Example

```
   RLGHNCXA21W 96:07:02 11:02:30 EST EAGLE 35.0.0
** 0100.0059  ** CDT 8           Major customer trouble detected
```

Alarm Level: Major

Recovery

Follow local procedures for clearing the indicated trouble.

0063 - Critical holdover clock trbl detected

A critical trouble has been detected with the holdover clock. This could include a problem with the reference input and stratum clock cards.

Example

```
   RLGHNCXA21W  96:07:02 11:02:30  EST  EAGLE 35.0.0
  *C  0100.0063    *C CLOCK    Critical holdover clock trbl detected
```

Alarm Level: Critical

Recovery

Check for any visual alarms.

Note any visual alarms and refer to the *Maintenance* manual for Holdover Clock Troubleshooting Procedures to perform the corrective action procedures.

0064 - Major holdover clock trouble detected

A major trouble has been detected with the holdover clock. This could include a problem with the reference input and/or stratum clock cards.

Example

```
   RLGHNCXA21W 96:07:02 11:02:30    EST EAGLE 35.0.0
  **  0100.0064   ** CLOCK    Major holdover clock trouble detected
```

Alarm Level: Major

Recovery

Check for any visual alarms.

Note any visual alarms and refer to the *Maintenance* manual for Holdover Clock Troubleshooting Procedures to perform the corrective action procedures.

0077 - Card temperature is critical lvl:T2

An HC-MIM card, EPM based card (E5-E1T1, E5-ATM, E5-ENET, ET-IPSM, E5-TSM) EPM-B based card (E5-ATM-B, E5-ENET-B, E5-MCPM-B), or E5-SM8G-B card has reached an operating temperature that is above the operational limit.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
*C 0100.0077  *C CARD 1102  LIMT1 Card temperature is critical lvl:T2
```

Alarm Level: Critical

Recovery

WARNING: There is a very limited time to solve this problem. For an HC-MIM card, once the card exceeds its operation limit, all the links on the HC-MIM card will be blocked (**ACT-LPO**), causing the links to go into local processor outage. All traffic on the blocked links is re-directed elsewhere in the system (based on the current route provisioning). For information about EPM based, EPM-B based, and E5-SM8G-B cards, see "Changing the High-Capacity Card Temperature Alarm Thresholds" procedure in *Database Administration Manual - SS7*.

1. Verify that the fan assembly located in that shelf is working properly and that the fan filters are clean.

   - Check to make sure there is both A and B power.
   - Check the fans.
   - Check the fan controller card and verify that all **LEDs** are green.

     For proper operation (as a minimum B power must be present and good fans for fan 2 and fan 3 must be installed before removing the controller).
   - Check the fan filters.
   - Replace any hardware in the fan assembly that is not functioning properly. Clean or replace fan filters as needed.
   - Replace the fan tray only after checking power, fans, fan filters, and control card.

     Contact the My Oracle Support (MOS) for assistance.

The hierarchy of maintenance activity is based on Table 3-1. See the *Maintenance* manual for card removal/replacement procedures.

Table 3-1 Maintenance Activity Hierarchy

Condition	Cntrl LED	FAN 1 LED	FAN 2 LED	FAN 3 LED	Alarm Status	Actions
Normal Operation	Green	Green	Green	Green	No **Alarm****	None
A power feed fail	Blink	**RED**			Alarm*	Check the fuse, the power source, and cables
Interconnect card **OR** circuit fail	Blink		**RED**		Alarm*	Check the fuse, the power source, and cables
B power feed fail	Blink			**RED**	Alarm*	Check the fuse, the power source, and cables

Table 3-1 (Cont.) Maintenance Activity Hierarchy

Condition	Cntrl LED	FAN 1 LED	FAN 2 LED	FAN 3 LED	Alarm Status	Actions
Fan 1 fail	Green	**RED**			Alarm*	Make sure that there is A power Make sure that there is B power and that Fan 2 and Fan 3 are operating properly. Replace the fan.
Fan 2 fail	Green		**RED**		Alarm*	Make sure that there is both A and B power Make sure that Fan 1 and Fan 3 are operating properly Replace the fan
Fan 3 fail	Green			**RED**	Alarm*	Make sure that there is B power Make sure that there is A power and that Fan 1 and Fan 2 are operating properly Replace the fan
Fan 1 Removed	Green	Blink			Alarm*	Make sure that the fan is seated properly Replace the fan

Table 3-1 (Cont.) Maintenance Activity Hierarchy

Condition	Cntrl LED	FAN 1 LED	FAN 2 LED	FAN 3 LED	Alarm Status	Actions
Fan 2 Removed	Green		Blink		Alarm*	Make sure that the fan is seated properly Replace the fan
Fan 3 Removed	Green			Blink	Alarm*	Make sure that the fan is seated properly Replace the fan
Controller card partial fail	**RED**				Alarm*	Make sure there is both A and B power. Make sure the fans are working properly Remove Fan 1 Replace the Fan Tray Controller
Controller card fail	OFF	OFF	OFF	OFF	Alarm*	Make sure there is both A and B power Make sure the fans are working properly Remove Fan 1 Replace the Fan Tray Controller
Interconnect Failure						Replace shelf

Note:

- *If there is no alarm for this condition, it is likely that the relay on the Interconnect card has failed (opened).
- **If there is an alarm when all 4 **LEDs** are green, it is likely that the relay on the Interconnect card has failed (closed).
- Try replacing the controller before replacing the fan tray.

2. If the fan unit is working properly, employ additional cooling methods to the card reporting a high-operating temperature.
3. This Critical Temperature **Alarm** will remain in the system until the operational temperature of the HC-MIM card (HC Blade), EPM based card (E5-E1T1, E5-ATM, E5-ENET, ET-IPSM, E5-TSM) EPM-B based card (E5-ATM-B, E5-ENET-B, E5-MCPM-B), or E5-SM8G-B card goes below the critical temperature threshold.
4. If this procedure did not clear the fault, contact the My Oracle Support (MOS).

0078 - Card temperature exceeds nominal lvl:T1

An HC-MIM card, EPM based card (E5-E1T1, E5-ATM, E5-ENET, E5-IPSM, E5-TSM), EPM-B based card (E5-ATM-B, E5-ENET-B, E5-MCPM-B), or E5-SM8G-B card has reached an operating temperature that is above the pre-defined limit.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0078  ** CARD 1102  LIMT1 Card temperature exceeds nominal lvl:T1
```

Alarm Level: Major

Recovery

warning: There is a very limited time to solve this problem. Once the card exceeds its operation limit, all the links on the HC-MIM card will be blocked (**ACT-LPO**), causing the links to go into local processor outage. All traffic on the blocked links is re-directed elsewhere in the system (based on the current route provisioning). For information about EPM based, EPM-B based, and E5-SM8G-B cards, see "Changing the High-Capacity Card Temperature Alarm Thresholds" procedure in *Database Administration Manual - SS7*.

1. Enter the following command to verify the temperature threshold defaults are within the correct range for the card:

   ```
   rtrv-th-alm
   ```

   For HC-MIM cards, the maximum operating temperature is 82 degrees Celsius. For EPM based cards (E5-E1T1, E5-ATM, E5-ENET, ET-IPSM, E5-TSM), the maximum operating temperature is 95 degrees Celsius. For EPM-B based cards (E5-ATM-B, E5-ENET-B, E5-MCPM-B) and E5-SM8G-B cards, maximum operating temperature is 90 degrees Celsius. Temperature Level 1 threshold (Thermal Alarm Level 1) and Temperature Level 2 threshold (Thermal Alarm Level 2) are user configurable. Temperature Level 1 threshold can be configured between 73%–92% (default is 92%) of maximum operating temperature of the card and Temperature Level 2

threshold can be configured between 74%–100% (default is 100%) of maximum operating temperature of the card.

If the thresholds are set incorrectly (or to temporarily suppress the alarm), go to 2. If the thresholds are correct, go to 3.

2. The threshold can be reset by entering the following command:

   `chg-th-alm:thermallv1c=xxxx`

   where:*xxxx* is temperature.

3. Skip this step for EPM-based cards. Verify that the fan assembly located in that shelf is working properly and that the fan filters are clean.

   - Check to make sure there is both A and B power.
   - Check the fans.
   - Check the fan controller card and verify that all **LEDs** are green.

     For proper operation (as a minimum B power must be present and good fans for fan 2 and fan 3 must be installed before removing the controller).
   - Check the fan filters.
   - Replace any hardware in the fan assembly that is not functioning properly. Clean or replace fan filters as needed.
   - Replace the fan tray only after checking power, fans, fan filters, and control card.

     Contact the My Oracle Support (MOS) for assistance.

The hierarchy of maintenance activity is based on Table 3-2. See the *Maintenance* manual for card removal/replacement procedures.

Table 3-2 Maintenance Activity Hierarchy

Condition	Cntrl LED	FAN 1 LED	FAN 2 LED	FAN 3 LED	Alarm Status	Actions
Normal Operation	Green	Green	Green	Green	No **Alarm****	None
A power feed fail	Blink	**RED**			Alarm*	Check the fuse, the power source, and cables.
Interconnect card **OR** circuit fail	Blink		**RED**		Alarm*	Check the fuse, the power source, and cables.

Table 3-2 (Cont.) Maintenance Activity Hierarchy

Condition	Cntrl LED	FAN 1 LED	FAN 2 LED	FAN 3 LED	Alarm Status	Actions
B power feed fail	Blink			**RED**	Alarm*	Check the fuse, the power source, and cables.
Fan 1 fail	Green	**RED**			Alarm*	Make sure that there is A power. Make sure that there is B power and that Fan 2 and Fan 3 are operating properly. Replace the fan.
Fan 2 fail	Green		**RED**		Alarm*	Make sure that there is both A and B power. Make sure that Fan 1 and Fan 3 are operating properly. Replace the fan.
Fan 3 fail	Green			**RED**	Alarm*	Make sure that there is B power. Make sure that there is A power and that Fan 1 and Fan 2 are operating properly. Replace the fan.

Table 3-2 (Cont.) Maintenance Activity Hierarchy

Condition	Cntrl LED	FAN 1 LED	FAN 2 LED	FAN 3 LED	Alarm Status	Actions
Fan 1 Removed	Green	Blink			Alarm*	Make sure that the fan is seated properly. Replace the fan.
Fan 2 Removed	Green		Blink		Alarm*	Make sure that the fan is seated properly. Replace the fan.
Fan 3 Removed	Green			Blink	Alarm*	Make sure that the fan is seated properly. Replace the fan.
Controller card partial fail	**RED**				Alarm*	Make sure there is both A and B power. Make sure the fans are working properly. Remove Fan 1. Replace the Fan Tray Controller.

Table 3-2 (Cont.) Maintenance Activity Hierarchy

Condition	Cntrl LED	FAN 1 LED	FAN 2 LED	FAN 3 LED	Alarm Status	Actions
Controller card fail.	OFF	OFF	OFF	OFF	Alarm*	Make sure there is both A and B power. Make sure the fans are working properly. Remove Fan 1. Replace the Fan Tray Controller.
Interconnect Failure						Replace shelf.

Note:

- * If there is no alarm for this condition, it is likely that the relay on the Interconnect card has failed (opened).
- ** If there is an alarm when all 4 **LEDs** are green, it is likely that the relay on the Interconnect card has failed (closed).
- Try replacing the controller before replacing the fan tray.

4. If the fan unit is working properly, employ additional cooling methods to the card reporting a high-operating temperature.
5. If the running temperature of the HC-MIM card, EPM based card (E5-E1T1, E5-ATM, E5-ENET, E5-IPSM, E5-TSM), EPM-B based card (E5-ATM-B, E5-ENET-B, E5-MCPM-B), or E5-SM8G-B card exceeds its operational limit, UAM 0077 is generated. HC-MIM links go into Local Processor Outage (LPO). For information about EPM based, EPM-B based, and E5-SM8G-B cards, see "Changing the High-Capacity Card Temperature Alarm Thresholds" procedure in *Database Administration Manual - SS7*.
6. This Temperature **Alarm** will remain in the system until the operational temperature of the HC-MIM card (HC Blade), EPM based card (E5-E1T1, E5-ATM, E5-ENET, E5-IPSM, E5-TSM), EPM-B based card (E5-ATM-B, E5-ENET-B, E5-MCPM-B), or E5-SM8G-B card returns to normal levels.
7. If performing the steps in this procedure did not clear the fault, contact the My Oracle Support (MOS) for assistance.
8. If the threshold was changed in 2 to temporarily suppress the alarm, enter the following command to reset the threshold to the original setting:

```
chg-th-alm:thermallv1c=xxxx
```

where:*xxxx* is temperature.

0080 - Shelf FAN bit is OFF

The Eagle Shelf FAN bit is not turned on.

Example

```
   1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890

    xxxx.0080 *C CARD 1103  LIMT1     Shelf FAN bit is OFF
```

Alarm Level: Major

Recovery

To turn the Shelf FAN bit on, use the following command:

```
chg-shlf
```

0081 - Shelf FAN bit is ON

The Eagle Shelf FAN bit is turned on. This UAM is an informational message that confirms that the feature is restored to operational status

Example

```
   1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890

    xxxx.0081 *C CARD 1103  LIMT1     Shelf FAN bit is ON
```

Alarm Level: Normal

Recovery

This message indicates that the feature previously was OFF and now has been turned ON.

No further action is necessary.

0082 - Alarm in Fuse panel

A blown fuse has been detected in the fuse panel located on top of the designated frame.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0082  ** FUSE PANEL  11xx     Alarm in Fuse panel
```

Alarm Level: Major

Recovery

1. Locate the fuse and alarm panel (**FAP**) indicated in the alarm message.
2. Look at the set of fuses and find the fuse with the “flag” standing out.

This indicates the fuse is blown. Replace the fuse with a **GMT** 3 amp or 1 amp (depending on the type being replaced). See the *Installation Manual* for the correct fuse type.

Caution: Arbitrarily removing a good fuse will cause all cards serviced by the removed fuse to fail. Verify the fuse output before pulling a fuse that appears to be good.

---

3. If no fuses appear to be blown, use a **VOM** and measure the voltage outputs on the rear of the panel (refer to the *Installation Manual* for voltage test points).
4. If the fuse blows again, visually inspect the shelf backplanes for shorts or metallic debris.
5. If nothing can be found visually, put all cards serviced by the affected fuse out of service with the following command:

   `rmv-card:loc=x`

   where *x* is the card location stenciled on the shelf of the system.
6. Unplug the cards serviced by the affected fuse.
7. Replace the fuse.
8. Plug in each card one at a time.

   As each card is plugged in, verify the fuse does not blow. When the fuse does blow, replace the card just plugged in.
9. Replace the fuse again.
10. Continue plugging in the remaining cards, verifying the fuse does not blow with each card.

    Each time the fuse does blow, replace the card and continue. There may be more than one card at fault. If you encounter a card which blows the fuse, do not stop the procedure. Continue until all cards have been plugged in. Refer to the *Maintenance* manual for card removal/replacement procedures.
11. If all the cards are plugged in and the fault has cleared, place the affected cards back into service by entering the following command:

    `rst-card:loc=x`

    where *x* is the card location stenciled on the shelf of the system.
12. If this does not clear the fault, contact the My Oracle Support (MOS).

0084 - IP Connection Unavailable

The TCP/IP and SIGTRAN protocols both have an IP layer. This UAM indicates that either a TCP/IP socket or an SCTP/IP (SIGTRAN) association is unavailable.

Example

```
    RLGHNCXA03W 09-11-06 16:28:08 EST EAGLE5 41.1.0
**  1234.0084 ** IP7CONN LONGSOCKETNAME1 IP Connection Unavailable
```

Alarm Level: Major

Recovery

There are six recovery procedures for this UAM. The first two procedures are for **TCP/IP** socket problems; the third procedure is for SCTP/IP (SIGTRAN) problems. Read the UAM to see which entity has been affected, then refer to the following scenarios to help determine which procedure to use:

- Use the Recovery procedure for EDCMs running STC GPLwhen an **IP** application socket is out of service due to an **IP** link down (Ethernet problem) or due to the STC card.
- Use the Recovery procedure for DSM with EPAP or ELAP when an **IP** link is down. The link may be a **DSM** (**Database Service Module**) to **MPS** link.
- Use the Recovery procedure for IPLMx, IPGWx, and IPSG when failure at the **IP** level is affecting associations used for SS7-over-IP (SIGTRAN) links.
- Use the Recovery procedure for **MCP** or **MCPHC**when UAM 0084 says that the problem is MCP or MCPHC.
- Use the Recovery procedure for **OAMHC**when UAM 0084 says that the problem is OAMHC.
- Use the Recovery procedure for **SNMP** when UAM 0084 says that the problem is SNMP.

Recovery procedure for EDCMs running STC GPL

In this scenario, this message typically occurs if STC port does not get a DHCP lease from IMF/ESP side. However, it could also be due to bad hardware or bad port on STC card. This error may be due to mis-configured IMF/ESP switches that may not send DHCP lease to STC card.

1. Use the `rept-stat-card` command to view STC status.

   The following is an example of a possible output:

```
tekelecstp 07-05-06 15:40:32 EST  EAGLE 37.0.0

CARD   VERSION      TYPE      GPL        PST            SST        AST
1103   128-002-000  STC       ERTHC      IS-NR          Active     -----
  ALARM STATUS       = No Alarms.
  IMTPCI  GPL version = 128-002-000
  BLVXW6  GPL version = 128-002-000
  BLDIAG6 GPL version = 128-002-000
  BLBEPM  GPL version = 128-002-000
  BLCPLD  GPL version = 128-002-000
  IMT BUS A           = Conn
  IMT BUS B           = Conn
  CLOCK A             = Active
  CLOCK B             = Idle
  CLOCK I             = Idle
  MBD BIP STATUS      = Valid
  MOTHER BOARD ID     = EPM A
  DBD STATUS          = Valid
  DBD TYPE            = 1G ENET
  DBD MEMORY SIZE     = 512M
  HW VERIFICATION CODE = ----
  CURRENT TEMPERATURE   =  51C (124F)
```

```
   PEAK TEMPERATURE:     =  51C (124F)     [02-09-20 10:48]
   EROUTE % OCCUP     = 0%
   NTP broadcast = VALID
   STC IP PORT A:                          IS-NR          Active     -----
       ALARM STATUS  = No Alarms.
   STC IP PORT B:                          OOS-MT         Unavail    -----
       ALARM STATUS  = **  0084 IP Connection Unavailable
       ERROR STATUS  = DHCP Lease. Physical Link.

    Command Completed.
;
```

If the STC is in service and one of the ports is showing UAM0084, then this port is not getting the address from the DHCP server.

2. If `rept-stat-card` shows that both ports are in UAM0084 state then use the `netstat –I` command to determine if the Ethernet interfaces are up.

   a. If they are up, then IMF/ESP support should be involved to find out why this port is not getting the DHCP.

   b. If the concerned ports are not up, then it could be a hardware issue, replace the card. See the *Maintenance Manual,Appendix A, Card Removal/Replacement Procedures*.

3. If the alarm is not cleared, contact the My Oracle Support (MOS).

Recovery procedure for DSM with EPAP or ELAP

1. Use the `rep-stat-mps` command to obtain MPS status.

   The following is an example of a possible output:

```
> rept-stat-mps

Command Accepted - Processing
   peliscaa00w 04-08-13 11:11:04 EDT EAGLE 29.0.2-46.33.1
   rept-stat-mps
   Command entered at terminal #2.
;

   peliscaa00w 04-08-13 11:11:04 EDT EAGLE 29.0.2-46.33.1
                     VERSION       PST            SST        AST
   ELAP A            002-002-000   IS-NR          Active     -----
      CRITICAL PLATFORM    ALARM DATA = No Alarms
      MAJOR    PLATFORM    ALARM DATA = No Alarms
      MINOR    PLATFORM    ALARM DATA = No Alarms
      CRITICAL APPLICATION ALARM DATA = No Alarms
      MAJOR    APPLICATION ALARM DATA = No Alarms
      MINOR    APPLICATION ALARM DATA = No Alarms
             ALARM STATUS       = No Alarms.
                     VERSION       PST            SST        AST
   ELAP B            002-002-000   IS-NR          Standby    -----
      CRITICAL PLATFORM    ALARM DATA = No Alarms
      MAJOR    PLATFORM    ALARM DATA = No Alarms
      MINOR    PLATFORM    ALARM DATA = No Alarms
      CRITICAL APPLICATION ALARM DATA = No Alarms
      MAJOR    APPLICATION ALARM DATA = No Alarms
      MINOR    APPLICATION ALARM DATA = No Alarms
             ALARM STATUS       = No Alarms.
   CARD   PST          SST         LNP STAT
```

```
   1101 P IS-NR        Active      ACT
   1103   IS-NR        Active      ACT
   CARD 1101 ALARM STATUS = No Alarms.
     DSM PORT A:      ALARM STATUS       = **  0084 IP Connection Unavailable
     DSM PORT B:      ALARM STATUS       = **  0084 IP Connection Unavailable
   CARD 1103 ALARM STATUS = No Alarms.
     DSM PORT A:      ALARM STATUS       = **  0084 IP Connection Unavailable
     DSM PORT B:      ALARM STATUS       = **  0084 IP Connection Unavailable
   Command Completed.
;
```

2. Use the `rept-stat-db:display=all:db=mps` to determine the "LEVEL" on the DSM cards are not incrementing.

   The following is an example of a possible output:

```
> rept-stat-db:display=all:db=mps

  Command Accepted - Processing
   peliscaa00w 04-08-13 11:14:32 EDT EAGLE 29.0.2-46.33.1
   rept-stat-db:display=all:db=mps
   Command entered at terminal #2.
;

   peliscaa00w 04-08-13 11:14:32 EDT EAGLE 29.0.2-46.33.1

                  ELAP A  ( ACTV )
                   C  BIRTHDATE          LEVEL       EXCEPTION
                   -  -----------------  ----------  --------------
   RTDB            Y  04-08-13 02:32:02        1264        -
   RTDB-EAGLE         04-08-13 02:29:22        1264        -

                  ELAP B ( STDBY )
                   C  BIRTHDATE          LEVEL       EXCEPTION
                   -  -----------------  ----------  --------------
   RTDB            Y  04-08-13 02:32:02        1264        -
   RTDB-EAGLE         04-08-13 02:29:22        1264        -

                  EAGLE RTDB REPORT
   CARD/APPL  LOC   C  BIRTHDATE          LEVEL       EXCEPTION
   ---------  ----  -  -----------------  ----------  --------------
   VSCCP      1101  Y  04-08-13 02:29:22        1108        -
   VSCCP      1103  Y  04-08-13 02:29:22        1108        -
;
```

3. Execute `rept-stat-trbl:display=timestamp` to see if all of the UAM 0084 occurred at nearly the same time.

   If all of the DSMs are reporting IP connection unavailable and all of the alarms came in at one time, check whether the associated EPAP or ELAP has a problem. If so, go to 7.

4. Perform the following to verify IP network connectivity.

   a. Use the following command to ping the local host:

      `pass:loc=XXXX:cmd="ping 127.0.0.1"`

      This is the loopback address and testing it will indicate if networking support is functioning.

   b. Ping the MPS using:

`pass:loc=XXXX:cmd="ping 192.168.120.100"` for 100 Megabit Network

`pass:loc=XXXX:cmd="ping 192.168.120.200"` for 100 Megabit Network

`pass:loc=XXXX:cmd="ping 192.168.121.100"` for 10 Megabit Network

`pass:loc=XXXX:cmd="ping 192.168.121.200"` for 10 Megabit Network

Example of a possible output:

```
192.168.120.100 for EPAP A, via DSM Port A / 100 Megabit Network
192.168.120.200 for EPAP B, via DSM Port A / 100 Megabit Network,
192.168.121.100 for EPAP A, via DSM Port B / 10 Megabit Network,
192.168.121.200 for EPAP B, via DSM Port B / 10 Megabit Network
```

c. If the ping command is not working, verify the IP network cabling.

Note: The network between the MPS and the DSMs is a private network.

d. Replace the DSM card if you can't ping the local host and the IP network has been verified.

See the *Maintenance Manual, Appendix A, Card Removal/Replacement Procedures*.

Note: This step applies to a single DSM having IP connection unavailable.

5. If all of the DSMs are reporting IP connection unavailable, reboot the "primary" DSM card. If no primary card is available go to 3. If only one card is reporting IP connection unavailable, use the init command to take down the card and reload it. See the *Commands Manual* for the INIT-CARD command.

6. Power cycle the hubs between the MPS and the EAGLE STP.

7. *Task to be completed by either the customer or an Engineer from the LSMS/MPS group:* Run a syscheck on the EPAP or ELAP.

8. *Task to be completed by either the customer or an Engineer from the LSMS/MPS group:* Switch activity on the EPAP or ELAP.

If this action does *not* clear the alarm, continue to 9.

9. *Task to be completed by either the customer or an Engineer from the LSMS/MPS group:* Stop and restart the software on the EPAP or ELAP.

In case of failure of the Active EPAP, the Standby EPAP takes over the role of Active EPAP and continues to provision the database. If the main DSM network fails, the Active EPAP switches to the backup DSM network to continue provisioning the Service Module cards. The switchover to the backup DSM network is possible only when all connectivity is lost on the main DSM network. In case of HUB failure, impact on the provisioning may be partial, so switchover to the backup provisioning network might not be automatically triggered. At any given time, there is only one Active EPAP using one DSM network per EPAP system.

If this action does *not* clear the alarm, continue to 10.

10. If these steps do not clear the fault, contact the My Oracle Support (MOS).

When the IP connection recovers you will see an `IP Connection Available` message.

```
UAM:
1481.0085    DSM A   1101          IP Connection Available
1482.0085    DSM B   1101          IP Connection Available
```

Recovery procedure for IPLMx, IPGWx, and IPSG

1. Enter the `rept-stat-card:loc=`<*location*>`:mode=full` command.

   Example of command and possible output:

```
    rept-stat-card:loc=1301:mode=full
    Command entered at terminal #3.
;

    eagle10212 01-05-27 07:44:48 EST   ??.?.?-63.18.0
    CARD   VERSION      TYPE      GPL        PST            SST        AST
    1301   067-018-000  DCM       IPLIM      IS-NR          Active     -----
      ALARM STATUS       = No Alarms.
      BPDCM   GPL version = 133-009-000
      IMT BUS A           = Conn
      IMT BUS B           = Conn
      CLOCK A             = Active
      CLOCK B             = Idle
      CLOCK I             = Idle
      MBD BIP STATUS      = Valid
      MOTHER BOARD ID     = SS EDCM
      DBD STATUS          = Valid
      DBD TYPE            = None
      DBD MEMORY SIZE     = 0M
      HW VERIFICATION CODE = ----
      SIGNALING LINK STATUS
          SLK    PST               LS            CLLI
          A      OOS-MT            e3e4          -----------
          B      OOS-MT            e3e4          -----------
      IPLNK STATUS
          IPLNK IPADDR STATUS PST
          A 10.254.110.9 DOWN OOS-MT
          B      192.168.51.14      UP         IS-NR
      ASSOCIATION STATUS
          ANAME PST SST
          ipl1301a OOS-MT CONNECTING
          ipl1301b OOS-MT CONNECTING
      TVG STATUS
          SNM     TVG RESULT   = 24 hr: G-----, 5 min: ------
          SLAN    TVG RESULT   = 24 hr: ------, 5 min: ------
          SCCP    TVG RESULT   = 24 hr: ------, 5 min: ------
          INM     TVG RESULT   = 24 hr: G-----, 5 min: ------

    Command Completed.
```

2. If the hardware interface is down, there is nothing more you can do. Contact the far end, which is where the problem must be resolved. If the hardware interface is up, execute the following commands to get more troubleshooting information:

   a. Errors (collisions, etc.) on the network interface?

```
netstat -d 0/1t
```

b. Far end reachable?

```
ping
traceroute
```

c. Near end and far end use same SCTP CRC?

```
netstat -p sctp
rtrv-sg-opts
```

3. Failure at the lower IP level causes problems for the Application Servers (**AS**) higher in the SCTP/IP stack, so you can use the `rep-stat-as` command to get more information about the association status.

4. Contact the My Oracle Support (MOS).

Recovery procedure for MCP or MCPHC

In this scenario, the message typically occurs if the Measurements application loses the connection with the measurements FTP server. The error could be caused by a network connectivity problem or a misconfiguration of the FTP server parameters.

1. Enter the `rtrv-ftp-serv` command. If a measurement server is listed, verify the parameters.

   Example of command and possible output:

```
     rtrv-ftp-serv
    Command entered at terminal #6.
;

    e1061001 11-09-30 02:31:38 MST  EAGLE5 44.0.0-64.10.0

    APP       IPADDR           LOGIN            PRIO  PATH
    --------  ---------------  ---------------  ----  ----
    meas      10.241.14.62     eagleuser        1     /meas/reports

    FTP SERV table is (1  of 10)  10% full
;
```

2. If the output does not show an entry for the meas application, configure a measurements FTP server in accordance with the "Adding an FTP Server" procedure in *Database Administration Manual - System Management* to clear the alarm.

3. Verify connectivity with the FTP server with the `ping` command. Enter the `pass:loc=<mcp>:cmd="ping <server ipaddr>"` command.

   Example of command and possible output:

```
> pass:loc=1105:cmd="ping 10.241.14.62"

Command Accepted - Processing

    e1061001 11-09-30 02:53:17 MST  EAGLE5 44.0.0-64.10.0
    pass:loc=1105:cmd="ping 10.241.14.62"
    Command entered at terminal #6.
;

    e1061001 11-09-30 02:53:17 MST  EAGLE5 44.0.0-64.10.0
```

```
    PASS: Command sent to card
;

    e1061001 11-09-30 02:53:17 MST  EAGLE5 44.0.0-64.10.0

    PING command in progress

;

    e1061001 11-09-30 02:53:18 MST  EAGLE5 44.0.0-64.10.0

;

    e1061001 11-09-30 02:53:20 MST  EAGLE5 44.0.0-64.10.0
    PING 10.241.14.62: 56 data bytes
    64 bytes from 10.241.14.62: icmp_seq=0. time=5. ms
    64 bytes from 10.241.14.62: icmp_seq=1. time=5. ms
    64 bytes from 10.241.14.62: icmp_seq=2. time=5. ms
    ----10.241.14.62 PING Statistics----
    3 packets transmitted, 3 packets received, 0% packet loss
    round-trip (ms)  min/avg/max = 5/5/5

    PING command complete

;
```

If the ping test fails, verify the physical network connectivity between the Eagle and the FTP server.

4. If the ping command is successful, attempt to transfer a file to the FTP server. Enter the `pass:loc=<mcp>:cmd="ftptest -a meas"` command.

   Example of command and possible output:

```
> pass:loc=1105:cmd="ftptest -a meas"
Command Accepted - Processing
    e1061001 11-09-30 02:56:02 MST  EAGLE5 44.0.0-64.10.0
    pass:loc=1105:cmd="ftptest -a meas"
    Command entered at terminal #6.
;
    e1061001 11-09-30 02:56:02 MST  EAGLE5 44.0.0-64.10.0
    PASS: Command sent to card
;
    e1061001 11-09-30 02:56:02 MST  EAGLE5 44.0.0-64.10.0
    FTPTEST: Command In Progress
;
    e1061001 11-09-30 02:56:02 MST  EAGLE5 44.0.0-64.10.0
    FTP Interface Test
       Test Results: PASS
       Server IP:    10.241.14.62
       FTP Error:    0
       Segment:      190004fa
       Diag Msg:

    FTPTEST: Command Complete

;
```

5. If the alarm is not cleared, try the FTP from another system and verify the login and directory. If this is unsuccessful, contact the My Oracle Support (MOS).

Recovery procedure for OAMHC

In this scenario, the message typically occurs if the Measurements application or the SNMP application loses the connection with the measurements host server. The error could be caused by a network connectivity problem or a misconfiguration of the server parameters.

1. Enter the `rtrv-ctrl-feat` command.

   Example of command and possible output:

```
rtrv-ctrl-feat
Command entered at terminal #4.
;

tekelecstp1 12-09-22 01:53:11 EST  EAGLE5 45.0.0-64.42.0
The following features have been permanently enabled:

Feature Name              Partnum   Status Quantity
Routesets                 893006405 on     10000
Telnet                    893005701 on     ----
EAGLE5 Product            893007101 on     ----
HC-MIM SLK Capacity       893012707 on     64
EAGLE OA&M IP Security    893400001 on     ----
Integrated Measurements   893037301 on     ----
EAGLE SNMP                893040401 on     ----
```

2. If the Integrated Measurements feature is enabled, perform *Recovery Procedure for Integrated Measurements*. If the Eagle SNMP feature is enabled, perform *Recovery Procedure for SNMP*.

Recovery procedure for Integrated Measurements

In this scenario, the message typically occurs if the Integrated Measurements application loses the connection with the measurements FTP server. The error could be caused by a network connectivity problem or a misconfiguration of the FTP server parameters.

1. Enter the `rtrv-ftp-serv` command. If a measurement server is listed, verify the parameters.

   Example of command and possible output:

```
rtrv-ftp-serv
Command entered at terminal #6.
;
e1061001 12-09-30 02:31:38 EST EAGLE5 45.0.0-64.44.0
APP      IPADDR          LOGIN           PRIO PATH
-------- --------------- --------------- ---- ----
meas     10.241.14.62    eagleuser       1    /meas/reports
FTP SERV table is (1 of 10) 10% full
;
```

2. If the output does not show an entry for the meas application, configure a measurements FTP server in accordance with the "Adding an FTP Server" procedure in *Database Administration Manual - System Management* to clear the alarm.

3. Verify connectivity with the FTP server with the `ping` command. Enter the `pass:loc=[1113 | 1115]:cmd="ping <server ipaddr>"` command.

Example of command and possible output:

```
> pass:loc=1105:cmd="ping 10.241.14.62"

Command Accepted - Processing

    e1061001 11-09-30 02:53:17 MST  EAGLE5 44.0.0-64.10.0
    pass:loc=1105:cmd="ping 10.241.14.62"
    Command entered at terminal #6.
;

    e1061001 11-09-30 02:53:17 MST  EAGLE5 44.0.0-64.10.0
    PASS: Command sent to card
;

    e1061001 11-09-30 02:53:17 MST  EAGLE5 44.0.0-64.10.0

    PING command in progress

;

    e1061001 11-09-30 02:53:18 MST  EAGLE5 44.0.0-64.10.0

;

    e1061001 11-09-30 02:53:20 MST  EAGLE5 44.0.0-64.10.0
    PING 10.241.14.62: 56 data bytes
    64 bytes from 10.241.14.62: icmp_seq=0. time=5. ms
    64 bytes from 10.241.14.62: icmp_seq=1. time=5. ms
    64 bytes from 10.241.14.62: icmp_seq=2. time=5. ms
    ----10.241.14.62 PING Statistics----
    3 packets transmitted, 3 packets received, 0% packet loss
    round-trip (ms)  min/avg/max = 5/5/5

    PING command complete

;
```

If the ping test fails, verify the physical network connectivity between the Eagle and the FTP server.

4. If the ping command is successful, attempt to transfer a file to the FTP server. Enter the `pass:loc=[1113 | 1115]:cmd="ftptest -a meas"`command.

   Example of command and possible output:

```
> pass:loc=1113:cmd="ftptest -a meas"

Command Accepted – Processing

e1061001 12-09-30 02:56:02 EST EAGLE5 45.0.0-64.44.0
pass:loc=1113:cmd="ftptest -a meas"
Command entered at terminal #6.
;

e1061001 12-09-30 02:56:02 EST EAGLE5 45.0.0-64.44.0
PASS: Command sent to card
;

e1061001 12-09-30 02:56:02 EST EAGLE5 45.0.0-64.44.0
FTPTEST: Command In Progress
;
```

```
e1061001 12-09-30 02:56:02 EST EAGLE5 45.0.0-64.44.0
FTP Interface Test
   Test Results: PASS
   Server IP: 10.241.14.62
   FTP Error: 0
   Segment: 190004fa
   Diag Msg:

FTPTEST: Command Complete
;
```

5. If the alarm is not cleared, try the FTP from another system and verify the login and directory. If this is unsuccessful, contact the My Oracle Support (MOS).

Recovery procedure for SNMP

In this scenario, the message typically occurs if the SNMP application loses the connection with the host servers. The error could be caused by a network connectivity problem or a misconfiguration of the SNMP server parameters.

1. Enter the `rtrv-snmp-host` command. If server is listed, verify the parameters.

   Example of command and possible output:

```
rtrv-snmp-host
Command entered at terminal #6.
;

e1061001 12-09-30 08:58:40 EST  EAGLE5 45.0.0-64.44.0
IPADDR   10.25.60.20
  HOST      snmp-host-houston
  CMDPORT   161
  TRAPPORT  162
  HB        60
  TRAPCOMM  public

IPADDR   10.25.60.19
  HOST      snmp-host-dallas
  CMDPORT   161
  TRAPPORT  162
  HB        60
  TRAPCOMM  public


SNMP HOST table is (2 of 2) 100% full
;
```

2. If the output does not show a configured SNMP host entry, configure an SNMP host in accordance with the "Adding an FTP Server" procedure in *Database Administration Manual - System Management* to clear the alarm.

3. Verify connectivity with the host servers with the `ping` command. Enter the `pass:loc=[1113 | 1115]:cmd="ping <server ipaddr>"` command.

   Example of command and possible output:

```
> pass:loc=1113:cmd="ping 10.25.60.20"

Command Accepted - Processing

e1061001 12-09-30 02:53:17 EST EAGLE5 45.0.0-64.44.0
```

```
pass:loc=1113:cmd="ping 10.25.60.20"
Command entered at terminal #6.
;

e1061001 12-09-30 02:53:17 EST EAGLE5 45.0.0-64.44.0
PASS: Command sent to card
;

e1061001 12-09-30 02:53:17 EST EAGLE5 45.0.0-64.44.0
PING command in progress
;

e1061001 12-09-30 02:53:18 EST EAGLE5 45.0.0-64.44.0
;

e1061001 12-09-30 02:53:20 EST EAGLE5 45.0.0-64.44.0
PING 10.25.60.20: 56 data bytes
64 bytes from 10.25.60.20: icmp_seq=0. time=5. ms
64 bytes from 10.25.60.20: icmp_seq=1. time=5. ms
64 bytes from 10.25.60.20: icmp_seq=2. time=5. ms
----10.25.60.20 PING Statistics----
3 packets transmitted, 3 packets received, 0% packet loss
round-trip (ms) min/avg/max = 5/5/5

PING command complete
```

If the ping test fails, verify the physical network connectivity between the EAGLE and the host servers.

4. If the alarm is not cleared, contact the My Oracle Support (MOS).

0088 - Clocks A and B TSCs are out of sync

It was detected by the **OAM** that clocks A and B have been out of synch for a excessive period of time. This alarm indicates the clock sources being used for TSCSYNC feature have failed or a hardware failure in the OAM card. This may impact the EAGLE Integrated Monitoring Support feature functionality.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0088 ** CARD 1113 EOAM   Clocks A and B are out of sync
```

Alarm Level: Major

Recovery

1. Check the status of the OAM card by entering the following command:

   `rept-stat-card:loc=xxxx`

   where *xxxx* is the card location in the output.

2. Verify the status of the system clocks with the `rept-stat-clock` command. If Eagle is reporting the clock alarm indicating a problem with clock sources, then check the status of the clock sources, the cables, and termination points. Refer to Clock System Alarms for additional details on handling clock-specific UAMs.

3. Reseat the OAM card.

4. If the problem persists, replace the OAM card.

Refer to *Maintenance Guide* for card removal/replacement procedures.

0092 - MDAL not responding

This message indicates a problem with the maintenance disk and alarm card (**MDAL**).

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
*C 0014.0092 *C CARD 1117 MDAL       MDAL not responding
```

Alarm Level: Critical

Recovery

1. Check the status of the **MDAL** card by entering the command:

   `rept-stat-card:loc=x`

   where *x* is the card location stenciled on the shelf of the system.

   Example of the output using card location 1117:

```
RLGHNCXA03W 00-09-27 16:43:42 EST
CARD   VERSION    TYPE    APPL      PST           SST       AST
1117  ----------- MDAL    --------  OOS-MT        Isolated  -----
Command Completed.
```

2. Reseat the **MDAL** card.
3. If the problem persists, replace the **MDAL** card.

   Refer to the *Maintenance Manual, Appendix A, Card Removal/Replacement Procedures*.

0099 - Incompatible HW for provisioned slot

An MPL card is in a slot provisioned for a different card type and application. The card is automatically inhibited.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0099  ** CARD 1201  SS7ANSI  Incompatible HW for provisioned slot
               HW VERIFICATION CODE: xxx
```

Alarm Level: Major

Recovery

1. If this message contains the optional line '**HW VERIFICATION CODE**: xxx':

   a. See Hardware Verification Codes in UAMsthe section on hardware verification codes in the *Unsolicited Alarms and Information Messages* manual and decode the xxx value.

      Correct the indicated problem. A card with Verification Code 002, 003, 004, or 102 may possibly begin to boot continually before this alarm is displayed.

   b. After correcting the problem, the card will be in out-of-service maintenance-disabled state (OOS-MT-DSBLD).

Restore the card back to in-service normal state (**IS-NR**) with the `alw-card` command.

2. If this message does not contain the optional line 'HWVERIFICATIONCODE: xxx', perform either of the following steps:

   a. Replace the **MPL** card with a **DCM** card.

      Refer to the *Maintenance* manual for card removal/replacement procedures.

   b. Re-provision the slot for a **LIMDS0** card.

      Refer to the *Database Administration Manual - System Management* manual for the correct procedures.

0108 - Major IMT failure detected

A major fault has been detected on one of the **IMT** buses. A major fault consists of three or more faults on the **IMT** bus.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0108 ** IMTBUS A      Major IMT failure detected
                Card 1101, 1102, 1107, 1108
```

Alarm Level: Major

Recovery

1. Enter the following command to check the status of the **IMT**:

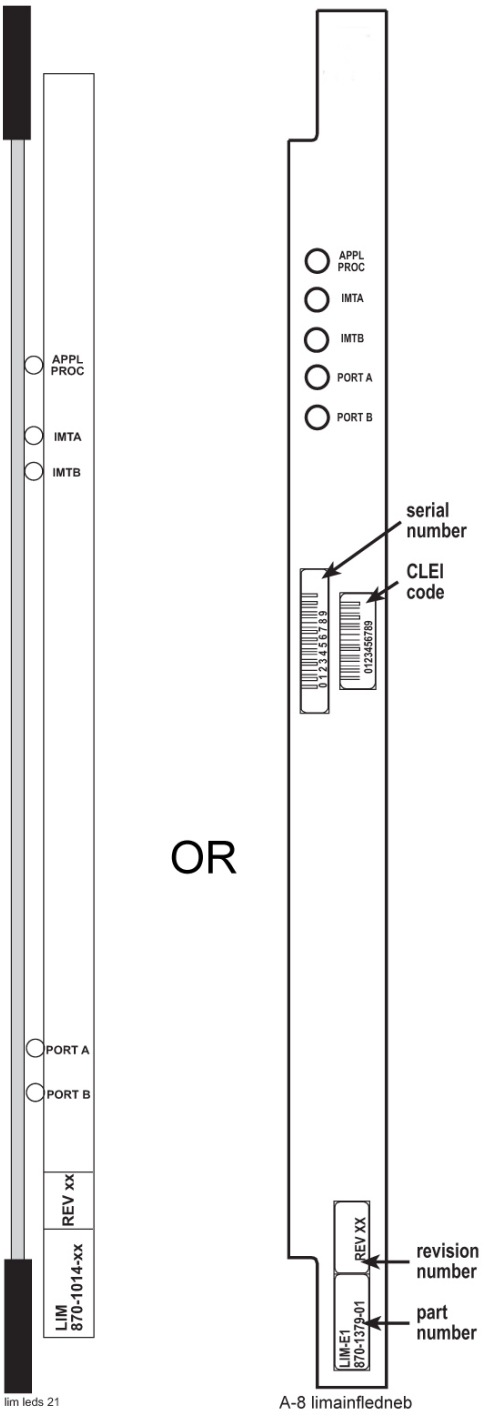
   `rept-stat-imt`

   If the entire **IMT** is down, continue with 6.

2. Visually check the **IMTLEDS** on the front of the cards.

   A red **LED** or **LEDs** denotes an **IMT** fault. If the top **LED** of the pair is red, there is a fault on **IMT** A. If the bottom **LED** is red, there is a fault on **IMT** B. See Figure 3-1.

Figure 3-1 Card LEDs



3. Note the card location or locations for cards with a red **LED**(s).

4. Using the card location(s) noted in 3, enter the following command to connect the card(s) back to the **IMT**:

   ```
   conn-imt : loc =x : bus = y
   ```

   where *x* is the card location stenciled on the shelf of the system, and *y* is the **IMT** bus to be returned to service.

The following message appears using card location 1106 and **IMT** bus A:

```
RLGHNCXA03W 00-02-07 11:02:30 EST  EAGLE 35.0.0
Connect IMT Bus A command issued to card 1106
```

5. If the connection command is successful, the Card connected message appears.

```
RLGHNCXA03W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0006    IMT   BUS A         Card connected to IMT
```

6. If the fault does not clear, enter the following command:

`inh-imt:bus=x`

where *x* = faulty **IMT** bus.

---

warning: This command removes the faulty **IMT** bus from service, causing all cards to disconnect from the designated bus. 8 must be completed once 6 is performed. If the technician has any questions about using this command, contact the My Oracle Support (MOS).

---

7. Enter the following command to test the **IMT** bus:

`tst-imt:bus=x`

where *x* = the inhibited **IMT** bus.

An example of the output follows:

```
RLGHNCXA03W 97-09-27 12:47:07 EST EAGLE 35.0.0
IMT Fault Isolation Bus B
Fault Location    Probable Cause  Failure(s)
Card  1201        Card 1201
                                  Pass-through Test Failed
Card  1301        Card 1301
                                  Pass-through Test Failed
```

Note: When `tst-imt` completes, either through normal termination of the command or because the command is aborted, 8**MUST** be completed.

---

8. Enter the following command to change the state of inhibited **IMT** to **IS-ANR**:

`alw-imt:bus=x`

where *x* = the inhibited **IMT** bus.

9. Reseat the affected card(s).

Probable causes are listed in order of most probable to least probable. The listed components should be reseated in order listed by the output of the `tst-imt` command.

---

warning: Reseating or replacing a **LIM** will cause both links on the card to fail. If the card is a **LIM**, place the links on the **LIM** out of service by entering the dact-slk command.

---

10. If the fault does not clear, replace the affected card(s).

Probable causes are listed in order of most probable to least probable. The listed components should be replaced in order listed by the output of the `tst-imt` command.

11. If the fault does not clear, replace the **IPMX** card servicing the affected card(s).

> **Caution:** Replacing an **IPMX** card causes the **IMT** to go down. (**IPMX** in Slot 09 affects **IMT** A and **IPMX** in Slot 10 affects **IMT**B.)

12. If the fault has cleared and any of these cards are **LIMs**, place the links assigned to these cards back into service using the `act-slk` command.
13. If these steps do not clear the fault, contact the My Oracle Support (MOS).

    Refer to the *Maintenance* manual for card removal/replacement procedures.

0111 - Failure on both IMT A and IMT B

A major fault occurred on one **IMT** bus and a minor fault has occurred on the other. Or, there is a minor fault on both **IMT** buses. A minor fault occurs when one or two cards are disconnected from the **IMT** bus. A major fault occurs when three or more cards are disconnected from the **IMT** bus.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0111 ** IMT SYSTEM          Failure on both IMT A and IMT B
```

Alarm Level: Major

Recovery

Check the status of the **IMTs** by entering the `rept-stat-imt` command.

Contact the My Oracle Support (MOS).

0112 - Major failures detected on both IMTs

Major faults have been detected on both **IMT** buses.

Example

```
  RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
* C0100.0112 *C IMT SYSTEM        Major failures detected on both IMTs
```

Alarm Level: Critical

Recovery

Check the status of the **IMTs** by entering the `rept-stat-imt` command.

Contact the My Oracle Support (MOS).

0115 - Linkset IP TPS threshold exceeded

This message indicates that the actual linkset transaction rate exceeds the provisioned linkset **IPSGTPS**.

This message indicates that the actual linkset transaction rate exceeds the linkset capacity alarm threshold defined by `lsusealm, tpsalmtype, slktps`

(rsvdslktps or maxslktps based on tpsalmtype) parameters and the number of links in the linkset.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0115 **   LSN lsgw1103   Linkset IP TPS threshold exceeded
```

Alarm Level: Major

Recovery

1. Enter this command to display the current and peak **IPSGTPS** utilization of the linkset specified in the output: `rept-stat-iptps`

   Example of the output:

```
eagle10115 03-05-06 09:49:20 EST EAGLE 31.6.0
IP TPS USAGE REPORT
           THRESH  CONFIG         TPS     PEAK      PEAKTIMESTAMP
-------------------------------------------------------------------
SYSTEM
CLLI1234567  100%  100000  TX:   4127     4550  03-05-05 09:49:19
                         RCV:   3962     4450  03-05-05 09:49:19
-------------------------------------------------------------------
LSN
LSGW1101      80%    4000  TX:   3700     4000  03-05-05 09:49:19
                         RCV:   3650     4000  03-05-05 09:49:19
LSGW1103      80%     500  TX:    427      550  03-05-05 09:49:19
                         RCV:    312      450  03-05-05 09:49:19
-------------------------------------------------------------------
Command Completed.
```

2. Enter the `rtrv-ls:lsn=xxxxxx` command, where xxxxxx is the linkset name, to review current `lsusealm, tpsalmtype` (TPSALM), `rsvdslktps` and `maxslktps` parameter values and the number of links in the linkset:

```
Searching link set table on disk - please wait...

Command Accepted - Processing

    eagle11 16-10-13 12:11:41 EST  EAGLE 46.3.0.0.1-68.27.0
    rtrv-ls:lsn=lab2m2pa
    Command entered at terminal #1.
;

    eagle11 16-10-13 12:11:42 EST  EAGLE 46.3.0.0.1-68.27.0

                                    L3T SLT              GWS GWS GWS
    LSN           APCN   (SS7)  SCRN SET SET BEI LST LNKS ACT MES DIS SLSCI
NIS
    lab2m2pa      02000         none 1   2   no  B   1    off off off no
off

                  SPCN          CLLI         TFATCABMLQ MTPRSE ASL8
               ---------------- -----------  1          ---    ---

               SLSRSB RANDSLS ITUTFR
               1      off     off

               IPSG  IPGWAPC  GTTMODE          CGGTMOD   PCT  CHGMTP3OPC
```

```
                    yes   no       SysDflt            no      off  on

                    ADAPTER    RSVDSLKTPS  MAXSLKTPS
                    m2pa       500         500

                    TPSALM     LSUSEALM    SLKUSEALM
                    rsvdslktps 100%        80%

                    LOC  LINK SLC TYPE     ANAME
                    1216 A2   0   IPSG     lab2m2pa


        Link set table is (16 of 1024) 2% full.

    ;
```

3. Refer to *Commands User's Guide* to interpret the output.

   If the linkset has adequate bandwidth, then the **IPTPS** for the linkset can be increased (using the `chg-ls` command), provided the current **IPGWxIPSG** system **IPTPS** setting allows for this. The **IPTPSLS** alarm threshold percent (*lsusealm*) can also be adjusted if allowed by the current setting. If the linkset does not have adequate bandwidth, then more links or different routing strategies may be required to correct the problem.

0120 - ENUM SYSTEM is not available

This message indicates none of the ENUM cards is Active/IS-NR.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

*C  0002.0120 *C ENUM SYSTEM            ENUM SYSTEM is not available
```

Alarm Level: Critical.

Recovery

Activate (Active/IS-NR) any one of the ENUM cards in the system.

0121 - ENUM SYSTEM is available

This message indicates half or more of the configured ENUM cards are in IS-NR state.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

    0002.0121    ENUM SYSTEM            ENUM SYSTEM is available
```

Alarm Level: None. The message is informational only.

Recovery

No further action necessary.

0122 - ENUM SYSTEM normal, card(s) abnormal

This message indicates the Active/IS-NR number of ENUM cards is less than half of the configured ENUM cards.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

**  0002.0122 ** ENUM SYSTEM            ENUM SYSTEM normal, card(s) abnormal
```

Alarm Level: Major.

Recovery

Activate (Active/IS-NR) half or more ENUM cards in the system.

0123 - ENUM SYSTEM is removed

This message indicates all the ENUM cards are deleted from the system.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

    0002.0123    ENUM SYSTEM            ENUM SYSTEM is removed
```

Alarm Level: None. The message is informational only.

Recovery

No further action necessary.

0124 - ENUM Threshold -Level1 exceeded

This message indicates the card TPS exceeds the configured level-1 value in ENUMOPTS.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

*   0002.0124 *  CARD xxxx ENUMHC        ENUM Threshold -Level1 exceeded
```

Alarm Level: Minor.

Recovery

Reduce the card TPS below the configured level-1 value in ENUMOPTS.

0125 - ENUM Threshold -Level 2 exceeded

This message indicates the card TPS exceeds the configured level-2 value in ENUMOPTS.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

**  0002.0125 ** CARD xxxx ENUMHC        ENUM Threshold –Level 2 exceeded
```

Alarm Level: Major.

Recovery

Reduce the card TPS below the configured level-2 value in ENUMOPTS.

0126 - ENUM Threshold Condition cleared

This message indicates the card TPS has been reduced to below the configured level-1 value in ENUMOPTS.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

    0002.0126   CARD xxxx ENUMHC        ENUM Threshold Condition cleared
```

Alarm Level: None. The message is informational only.

Recovery

No further action necessary.

0127 - ENUM card capacity exceeded

This message indicates the card TPS exceeds the maximum allowable TPS (4000) on a single ENUM card.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

*C  0002.0127 *C CARD xxxx ENUMHC        ENUM card capacity exceeded
```

Alarm Level: Critical

Recovery

Reduce the card TPS below the maximum allowed card TPS.

0128 - All clocks have failed

A fault has been detected on all system clocks.

Example

```
   RLGHNCXA21W 00-12-07 11:02:30 EST  EAGLE 35.0.0
*C 0100.0128 *C CLOCK SYSTEM        All clocks have failed
```

Alarm Level: Critical

Recovery

1. Verify the status of the clock with the `rept-stat-clk` command.

   If both clocks are idle, check the source clock into the system. Follow local maintenance procedures to repair the source clock.

2. Verify the clock cables are connected to the shelf backplane (refer to the *Installation Manual* for cable location).

   If any cables are loose, reconnect the cable.

3. If the clock source is not at fault, try reseating the **TDM** cards.

4. If the message appears again, replace the **TDM** cards.

   Refer to the *Maintenance* manual for card removal/replacement procedures.

5. If the fault still does not clear, contact the My Oracle Support (MOS).

0129 - ENUM Card TPS is normal

This message indicates the card TPS is normal.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

    0002.0129   CARD xxxx ENUMHC        ENUM Card TPS is normal
```

Alarm Level: None. The message is informational only.

Recovery

No further action necessary.

0132 - Loading failed: table not found

This indicates an error in an upgrade procedure. Either an incorrect file or table was entered. This message could also indicate the file or table being loaded is corrupted and is not recognized by the system.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0132  ** CARD 1304 SCCP      Loading failed: table not found
```

Alarm Level: Major

Recovery

Contact the My Oracle Support (MOS).

0133 - Loading failed: data read Error

An error occurred on the active **MASP** while data tables were loaded.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0133  ** CARD 1304 SCCP    Loading failed: data read error
```

Alarm Level: Major

Recovery

1. To verify that both databases are at the same level and are not corrupted, enter:

   ```
   rept-stat-db
   ```

   Example output for a corrupted database

   ```
    bothwagm03w 99-01-08 19:52:08 EST EAGLE 35.0.0
       rept-stat-lsms
       Command entered at terminal #1.
   ;
       bothwagm03w 99-01-08 19:52:08 EST EAGLE 35.0.0
                            GPL          PST             SST          AST
       ------------------------------------------------------------------
       LSMS SYSTEM                       IS-NR           Active       -----
   ```

```
    TDM TRM       8                   IS-NR          Active       -----
    TDM TRM       9                   IS-NR          Active       -----
    OAP           A    023-065-000    IS-NR          Active       -----
    OAP           B    023-065-000    IS-NR          Active       -----
    Q.3 Assoc     A1                  IS-NR          Active       -----
    Q.3 Assoc     B1                  IS-NR          Active       -----
    LSMS SYSTEM ALARM STATUS  = No Alarms.
    OAP A  ALARM STATUS       = No Alarms.
    OAP B  ALARM STATUS       = No Alarms.
    Q.3 Assoc A1 ALARM STATUS = No Alarms.
    Q.3 Assoc B1 ALARM STATUS = No Alarms.
    Command Completed.
;
```

2. To verify the integrity of the database, enter:

   ```
   aud-data
   ```

3. If there is a problem with the database, follow the procedures in the *Database Administration Manual - System Management* for resolving database inconsistencies.

4. If the problem still exists, contact the My Oracle Support (MOS).

0134 - Loading failed: bad checksum returned

The **GPL** checksum, which is used to verify the data, indicates an error during file transfer. The file (**GPL**) needs to be downloaded again.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0134  ** CARD 1304 SCCP  Loading failed: bad checksum returned
```

Alarm Level: Major

Recovery

1. Reseat the indicated card.

   This may have caused the transmission error.

2. When the card has been reseated, it attempts to reload automatically.

3. If the download fails again, contact the My Oracle Support (MOS).

0135 - Loading failed: GPL load timeout

There was a timeout caused by the loading process.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0135  ** CARD 1304 SCCP    Loading failed: GPL load timeout
```

Alarm Level: Major

Recovery

1. Verify the card is properly seated.

   If not, reseat the indicated card.

2. If the card is properly seated, the problem corrects itself.

   No further action is necessary.

0136 - Loading failed: data load timeout

The download process timed out on the **MASP**. This could be caused by an improperly programmed **BIP** on the daughterboard of the card being loaded.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0136  ** CARD 1304 SCCP    Loading failed: data load timeout
```

Alarm Level: Major

Recovery

1. Use the `rtrv-bip` command (debug command) to verify the **BIP** on the applique of the indicated card.

   Refer to the *Commands Manual* for details on how to use this command.

2. If the **BIP** is invalid, it must be reprogrammed.

   Contact the My Oracle Support (MOS). You will need to know the part number, revision level, and serial number of the card.

3. The card can be reprogrammed with instructions from the Customer Care Center, or the Customer Care Center can dial into the system and reprogram the card remotely.

4. If the **BIP** is valid, reseat the card.

   This should correct the problem. If not, contact the My Oracle Support (MOS).

0137 - Loading failed: invalid GPL

This message indicates that the **GPL** file is corrupt or there was a failure in the **IMT** bus.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0137  ** CARD 1304 SCCP   Loading failed: invalid GPL
```

Alarm Level: Major

Recovery

1. This problem should correct itself.

2. If the problem still exists, contact the My Oracle Support (MOS).

0138 - Loading failed: GPL format error

This message indicates a corrupted **GPL** file.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0138  ** CARD 1304 SCCP     Loading failed: GPL format error
```

Alarm Level: Major

Recovery

Contact the My Oracle Support (MOS).

0139 - Loading failed: disk read prep error

This message indicates the **GPL** version is not current, and incompatible with the system load.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0139  ** CARD 1304 SCCP   Loading failed: disk read prep error
```

Alarm Level: Major

Recovery

Refer to the upgrade procedure sent with the software.

If this procedure was followed correctly, and the problem still exists, contact the My Oracle Support (MOS).

0140 - Loading failed: disk read response error

This message indicates there was an error in reading the fixed disk.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0140  ** CARD 1304 SCCP  Loading failed:disk read response error
```

Alarm Level: Major

Recovery

1. If the disk was just installed in the system, try the load again.
2. If the problem occurs again, contact the My Oracle Support (MOS).

0141 - Loading failed: disk read failed

This message indicates there was a failure while reading the fixed disk on the active **TDM**.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0141  ** CARD 1304 SCCP     Loading failed: disk read failed
```

Alarm Level: Major

Recovery

1. Try the load again.
2. If the problem persists, replace the **TDM** with the corrupted media.

   Refer to the *Maintenance* manual for card removal/replacement procedures.
3. If this message appears again, contact the My Oracle Support (MOS).

0152 - LIM(s) have been denied STPLAN service

This message indicates that a link interface module (**LIM**) has been denied **STPLAN** service and cannot send messages to an application communication module (**ACM**) due to underprovisioning. More **ACMs** are required. There should be approximately one **ACM** for 30-32 **LIMs**. However, this ratio depends upon the traffic load.

Example

```
   RLGHNCXA21W 00-12-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0152 ** SLAN SYSTEM   LIM(s) have been denied STPLAN service
```

Alarm Level: Major

Recovery

1. Use the `rept-stat-slan` command to determine which **LIMs** have been denied **STPLAN** service.

   Note: Make sure the problem persists. Adding new **LIM** cards can cause this condition temporarily.

2. Add **ACMs** one at a time.

   Monitor the performance of the **STPLAN** subsystem with the `rept-stat-slan` command to determine if additional cards are needed.

0153 - STPLAN not available

This message indicates that no application communication modules (**ACMs**) are in service.

Example

```
   RLGHNCXA21W 00-12-07 11:02:30 EST  EAGLE 35.0.0
*C 0100.0153 *C SLAN SYSTEM      STPLAN not available
```

Alarm Level: Critical

Recovery

1. To determine the status of the **ACMs**, enter:

   ```
   rept-stat-slan
   ```

   Example of the output:

   ```
   tekelecstp 00-04-23 13:36:07 EST EAGLE 35.0.0
   SLAN Subsystem Report  IS-ANR         Active     -----
   SLAN Cards Configured= 2      Cards IS-NR= 2
   CARD   VERSION      PST            SST       AST    HOST Cap.  EAGLE Cap.
   ------------------------------------------------------------------------
   1206   021-010-000  IS-NR          Active    ----       42%         16%
   1104   021-010-000  IS-NR          Active    ALMINH     36%         12%
   ------------------------------------------------------------------------
   AVERAGE USAGE per HOST CAPACITY  =  39%
   AVERAGE USAGE per EAGLE CAPACITY =  14%
   CARDS DENIED SLAN SEVICE:
   ```

```
  1101, 1204
Command Completed
```

2. Use the `init-card` command to reinitialize any cards **OOS-MT**.
3. Enter the following command to determine if the card(s) have returned to **IS-NR**.

   If not, reseat the card(s).`rept-stat-slan`
4. If any card(s) remain **OOS-MT**, replace the card(s).

   Refer to the *Maintenance Manual, Appendix A, Card Removal/Replacement Procedures*.

0157 - OA&M IP Security feature risk detected

This UAM indicates the OA&M IP Security feature is currently (R46.4 or earlier) ON, and there is 1 or more FTP Servers or Telnet terminals not using SSH.

The EAGLE OA&M IP Security feature entry is used to control only the alarming if the SSH for terminals or Security of FTP Server entries is OFF. SSH for terminals and Security of FTP Server entries are controlled via the SECU-DFLT:SSH parameter and SECUIRTY parameter against the FTP servers entries, respectively.

Example

```
eagle11 17-12-07 09:22:34 EST  EAGLE 46.5.0.0.0-0.0.0
*   1988.0157  * SECURITY SYSTEM         OA&M IP Security feature risk detected
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. To clear this alarm, either turn ON the SSH for terminals and security for all FTP sever entries, or turn the EAGLE OA&M IP Security feature OFF.
2. Run the `rtrv-secu-dflt` and `chg-secu-dflt` commands to view and modify the SSH parameter value.
3. Run `rtrv-ftp-serv` and `chg-ftp-serv` commands to view and modify the SECURITY parameter values for the FTP servers entries.
4. Run the `rtrv-ctrl-feat` and `chg-ctrl-feat` commands to view and modify the EAGLE OA&M IP Security feature status.

0158 - OA&M IP Security feature risk cleared

This UAM indicates the OA&M IP Security feature risk alarm has been cleared.

Example

```
eagle11 17-12-07 09:22:48 EST  EAGLE 46.5.0.0.0-0.0.0
    1991.0158    SECURITY SYSTEM         OA&M IP Security feature risk cleared
;
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No further action is necessary.

0162 - 1116-P, 1116-S clocks failed

This message indicates that both **BITS** clocks have failed on the **TDM** card located in slot 1116.

Example

```
    RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
**  0014.0162  ** CLOCK SYSTEM    1116-P, 1116-S clocks failed
```

Alarm Level: Major

Recovery

1. Use the `rept-stat-clk` command to determine the current clock configuration.

   Example of the output:

   ```
   tekelecstp 00-04-23  13:34:15 EST  EAGLE 35.0.0
   CARD LOC= 1114 (Standby  )    CARD LOC= 1116 (Active )
   PRIMARY BITS   = ------       PRIMARY BITS   = Fault
   SECONDARY BITS = ------       SECONDARY BITS = Fault
                                 PST           SST       AST
   SYSTEM CLOCK                  IS-NR         Idle      ------
   # Cards using CLK A = 0     # Cards with bad CLK A = 8
   # Cards using CLK B = 0     # Cards with bad CLK B = 8
   # Cards using CLK I = 8
   Command Completed
   ```

2. Reseat the **TDM** card in slot 1116.

3. If the problem persists, replace the **TDM** card in slot 1116.

   Refer to the *Maintenance* manual for card removal/replacement procedures.

0164 - 1114-S, 1116-S clocks failed

This message indicates the secondary **BITS** clock source has failed on both the active and standby **TDM** cards.

Example

```
    RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
**  0014.0164  ** CLOCK SYSTEM    1114-S, 1116-S clocks failed
```

Alarm Level: Major

Recovery

1. Use the `rept-stat-clk` command to determine the current clock status.

   Example of the output:

   ```
   tekelecstp 00-04-23  13:34:15 EST  EAGLE 35.0.0
   CARD LOC= 1114 (Isolated )   CARD LOC= 1116 (Active )
   PRIMARY BITS   = Fault       PRIMARY BITS   = Active
   SECONDARY BITS = Fault       SECONDARY BITS = Fault
                                 PST           SST       AST
   SYSTEM CLOCK                  IS-NR         ACTIVE    ALMINH
   # Cards using CLK A = 9     # Cards with bad CLK A = 0
   ```

```
# Cards using CLK B = 0     # Cards with bad CLK B = 9
# Cards using CLK I = 0
Command Completed
```

2. Follow local procedures to troubleshoot and repair the secondary **BITS** clock.
3. If this message appears again, contact the My Oracle Support (MOS).

0166 - 1114-S, 1116-P, 1116-S clocks failed

This message indicates the following clocks failed:

- The secondary clock on the **TDM** card in slot 1114.
- The primary clock on the **TDM** card in slot 1116.
- The secondary clock on the **TDM** card in slot 1116.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0166  ** CLOCK SYSTEM    1114-S, 1116-P, 1116-S clocks failed
```

Alarm Level: Major

Recovery

1. Use the `rept-stat-clk` command to determine the current clock configuration.

   Example of the output:

```
tekelecstp 00-04-23  13:34:15 EST  EAGLE 35.0.0
CARD LOC= 1114 (Active   )    CARD LOC= 1116 (Isolated )
PRIMARY BITS   = Active       PRIMARY BITS   = Fault
SECONDARY BITS = Fault        SECONDARY BITS = Fault
                              PST           SST       AST
SYSTEM CLOCK                  IS-NR         ACTIVE    ALMINH
# Cards using CLK A = 9     # Cards with bad CLK A = 0
# Cards using CLK B = 0     # Cards with bad CLK B = 9
# Cards using CLK I = 0
Command Completed
```

2. Follow local procedures to troubleshoot and repair the **BITS** clock.
3. If one of the reference clocks is still not functioning, replace the **TDM** card(s).

   Refer to the *Maintenance Manual,Appendix A, Card Removal/Replacement Procedures*.

0169 - 1114-P, 1116-P clocks failed

This message indicates the primary **BITS** clock on the **TDM** cards in slots 1114 and slot 1116 have failed.

Example

```
    RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
**  0014.0169  ** CLOCK SYSTEM    1114-P, 1116-P clocks failed
```

Alarm Level: Major

Recovery

1. Use the `rept-stat-clk` command to determine the current clock configuration.

   Example of the output:

```
tekelecstp 00-04-23  13:34:15 EST  EAGLE 35.0.0
CARD LOC= 1114 (Isolated )    CARD LOC= 1116 (Active )
PRIMARY BITS   = Fault        PRIMARY BITS   = Fault
SECONDARY BITS = Fault        SECONDARY BITS = Active
                              PST           SST       AST
SYSTEM CLOCK                  IS-NR         ACTIVE    ALMINH
# Cards using CLK A = 9     # Cards with bad CLK A = 0
# Cards using CLK B = 0     # Cards with bad CLK B = 9
# Cards using CLK I = 0
Command Completed
```

2. Follow local procedures to troubleshoot and repair the **BITS** clock.
3. If one of the reference clocks is still not functioning, reseat the associated **TDM** card.

   Make sure the system clock reference is active on the other **TDM** card.

4. If one of the reference clocks is still not functioning, replace the **TDM** card.

   Refer to the *Maintenance* manual for card removal/replacement procedures.

0170 - 1114-P, 1116-P, 1116-S clocks failed

This message indicates the following clocks failed:

- The primary clock on the **TDM** card in slot 1114.
- The primary clock on the **TDM** card in slot 1116.
- The secondary clock on the **TDM** card in slot 1116.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
**  0014.0170  ** CLOCK SYSTEM    1114-P, 1116-P, 1116-S clocks failed
```

Alarm Level: Major

Recovery

1. Use the `rept-stat-clk` command to determine the current clock configuration.

   Example of the output:

```
tekelecstp 00-04-23  13:34:15 EST  EAGLE 35.0.0
CARD LOC= 1114 (Standby )     CARD LOC= 1116 (Isolated )
PRIMARY BITS   = ------       PRIMARY BITS   = Fault
SECONDARY BITS = ------       SECONDARY BITS = Active
                              PST           SST       AST
SYSTEM CLOCK                  IS-NR         ACTIVE    ALMINH
# Cards using CLK A = 9     # Cards with bad CLK A = 0
# Cards using CLK B = 0     # Cards with bad CLK B = 9
# Cards using CLK I = 0
Command Completed
```

2. Follow local procedures to troubleshoot and repair the **BITS** clock.
3. If one of the reference clocks is still not functioning, reseat the associated **TDM** card.

   Make sure the system clock reference is active on the other **TDM** card.
4. If one of the reference clocks is still not functioning, replace the **TDM** card.

   Refer to the *Maintenance Manual,Appendix A, Card Removal/Replacement Procedures*.

0171 - 1114-P, 1114-S clocks failed

This message indicates the primary and secondary **BITS** clocks on the **TDM** card in slot 1114 have failed.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0171  ** CLOCK SYSTEM    1114-P, 1114-S clocks failed
```

Alarm Level: Major

Recovery

1. Use the `rept-stat-clk` command to determine the current clock configuration.

   Example of the output:

```
tekelecstp 00-04-23  13:34:15 EST  EAGLE 35.0.0
CARD LOC= 1114 (Isolated )    CARD LOC= 1116 (Active )
PRIMARY BITS   = Fault        PRIMARY BITS   = Fault
SECONDARY BITS = Fault        SECONDARY BITS = Active
                              PST           SST       AST
SYSTEM CLOCK                  IS-NR         ACTIVE    ALMINH
# Cards using CLK A = 9     # Cards with bad CLK A = 0
# Cards using CLK B = 0     # Cards with bad CLK B = 9
# Cards using CLK I = 0
Command Completed
```

2. Follow local procedures to troubleshoot and repair the **BITS** clock.
3. If one of the reference clocks is still not functioning, reseat the associated **TDM** card.

   Make sure the system clock reference is active on the other **TDM** card.
4. If one of the reference clocks is still not functioning, replace the **TDM** card.

   Refer to the *Maintenance* manual for card removal/replacement procedures.

0172 - 1114-P, 1114-S, 1116-S clocks failed

This message indicates the following clocks failed:

- The primary clock on the **TDM** card in slot 1114.
- The secondary clock on the **TDM** card in slot 1114.
- The secondary clock on the **TDM** card in slot 1116.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0172  ** CLOCK SYSTEM    1114-P, 1114-S, 1116-S clocks failed
```

Alarm Level: Major

Recovery

1. Use the `rept-stat-clk` command to determine the current clock configuration.

   Example of the output:

   ```
   tekelecstp 00-04-23  13:34:15 EST  EAGLE 35.0.0
   CARD LOC= 1114 (Isolated )    CARD LOC= 1116 (Isolated )
   PRIMARY BITS   = Fault       PRIMARY BITS   = Fault
   SECONDARY BITS = Fault        SECONDARY BITS = Active
                                 PST           SST       AST
   SYSTEM CLOCK                  IS-NR         ACTIVE    ALMINH
   # Cards using CLK A = 9     # Cards with bad CLK A = 0
   # Cards using CLK B = 0     # Cards with bad CLK B = 9
   # Cards using CLK I = 0
   Command Completed
   ```

2. Follow local procedures to troubleshoot and repair the secondary **BITS** clock.

3. If one of the reference clocks is still not functioning, reseat that **TDM** card.

4. If one of the reference clocks is still not functioning, replace the **TDM** card.

   Refer to the *Maintenance Manual,Appendix A, Card Removal/Replacement Procedures*.

0173 - 1114-P, 1114-S, 1116-P clocks failed

This message indicates the following clocks failed:

- The primary clock on the **TDM** card in slot 1114.
- The secondary clock on the **TDM** card in slot 1114.
- The primary clock on the **TDM** card in slot 1116.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0173  ** CLOCK SYSTEM    1114-P, 1114-S, 1116-P clocks failed
```

Alarm Level: Major

Recovery

1. Use the `rept-stat-clk` command to determine the current clock configuration.

   Example of the output:

   ```
   tekelecstp 00-04-23  13:34:15 EST  EAGLE 35.0.0
   CARD LOC= 1114 (Isolated )    CARD LOC= 1116 (Active )
   PRIMARY BITS   = Fault        PRIMARY BITS   = Fault
   SECONDARY BITS = Fault        SECONDARY BITS = Active
                                 PST           SST       AST
   SYSTEM CLOCK                  IS-NR         ACTIVE    ALMINH
   ```

```
    # Cards using CLK A = 9     # Cards with bad CLK A = 0
    # Cards using CLK B = 0     # Cards with bad CLK B = 9
    # Cards using CLK I = 0
    Command Completed
```

2. Follow local procedures to troubleshoot and repair the primary **BITS** clock.
3. If one of the reference clocks is still not functioning, reseat the associated **TDM** card.
4. If one of the reference clocks is still not functioning, replace the associated **TDM** card.

   Refer to the *Maintenance Manual,Appendix A, Card Removal/Replacement Procedures*.

0185 - 1116-PHS, 1116-SHS clocks failed

This message indicates that both **E1**/**T1** High Speed clocks have failed for the **TDM** card located in slot 1116.

Example

```
   station1234 99-03-05 16:28:08 EST  EAGLE 31.6.0
** 0052.0185  ** HS CLOCK SYSTEM 1116-PHS, 1116-SHS clocks failed
```

Alarm Level: Major

Recovery

1. Use the `rept-stat-clk` command to determine the current clock configuration.

   Example of the output:

```
    rept-stat-clk
    Command entered at terminal #3.
;
    tekelecstp 99-03-05 13:34:15 EST EAGLE 31.6.0
    CARD LOC= 1114 (Active   )       CARD LOC= 1116 (Isolated )
    PRIMARY BITS      = Active        PRIMARY BITS      = -----
    SECONDARY BITS    = Idle          SECONDARY BITS    = -----
    HS PRIMARY CLK    = Active        HS PRIMARY CLK    = -----
    HS SECONDARY CLK  = Idle          HS SECONDARY CLK  = -----
    HS CLK TYPE      = E1 UNFRAMED    HS CLK TYPE      = -----
    HS CLK LINELEN   = SHORTHAUL      HS CLK LINELEN   = -----
                                     PST           SST       AST
    SYSTEM CLOCK                     IS-NR         ACTIVE    ALMINH
    ALARM STATUS     = No Alarms.
    # Cards using CLK A = 009        # Cards with bad CLK A = 000
    # Cards using CLK B = 000        # Cards with bad CLK B = 009
    # Cards using CLK I = 000
                                     PST           SST       AST
    HS SYSTEM CLOCK                  IS-NR         ACTIVE    ALMINH
    ALARM STATUS     = No Alarms.
    # Cards using HSCLK A = 001      # Cards with bad HSCLK A = 000
    # Cards using HSCLK B = 000      # Cards with bad HSCLK B = 002
    # Cards using HSCLK I = 000
    Command Completed.
;
```

2. Reseat the **TDM** card in slot 1116.

3. If the problem persists, replace the **TDM** card in slot 1116.

   Refer to the *Maintenance* manual for card removal/replacement procedures.

0187 - 1114-SHS, 1116-SHS clocks failed

This message indicates the secondary **E1**/**T1** High Speed clock source has failed for both the active and standby **TDM** cards.

Example

```
   station1234 99-03-05 16:28:08 EST  EAGLE 31.6.0
** 0052.0187  ** HS CLOCK SYSTEM 1114-SHS, 1116-SHS clocks failed
```

Alarm Level: Major

Recovery

1. Use the `rept-stat-clk` command to determine the current clock status.

   Example of the output:

```
    rept-stat-clk
    Command entered at terminal #3.
;
    tekelecstp 99-03-05 13:34:15 EST EAGLE 31.6.0
    CARD LOC= 1114 (Active   )       CARD LOC= 1116 (Isolated )
    PRIMARY BITS      = Active        PRIMARY BITS      = -----
    SECONDARY BITS    = Idle          SECONDARY BITS    = -----
    HS PRIMARY CLK    = Active        HS PRIMARY CLK    = -----
    HS SECONDARY CLK  = Idle          HS SECONDARY CLK  = -----
    HS CLK TYPE       = E1 UNFRAMED   HS CLK TYPE       = -----
    HS CLK LINELEN    = SHORTHAUL     HS CLK LINELEN    = -----
                                      PST           SST       AST
    SYSTEM CLOCK                      IS-NR         ACTIVE    ALMINH
    ALARM STATUS     = No Alarms.
    # Cards using CLK A = 009         # Cards with bad CLK A = 000
    # Cards using CLK B = 000         # Cards with bad CLK B = 009
    # Cards using CLK I = 000
                                      PST           SST       AST
    HS SYSTEM CLOCK                   IS-NR         ACTIVE    ALMINH
    ALARM STATUS     = No Alarms.
    # Cards using HSCLK A = 001       # Cards with bad HSCLK A = 000
    # Cards using HSCLK B = 000       # Cards with bad HSCLK B = 002
    # Cards using HSCLK I = 000
    Command Completed.
;
```

2. Follow local procedures to troubleshoot and repair the secondary **E1**/**T1** High Speed clock.

3. If this message appears again, contact the My Oracle Support (MOS).

0189 - 1114-SHS, 1116-PHS,1116-SHS clocks failed

This message indicates the following High Speed clocks failed:

- The secondary High Speed clock for the **TDM** card in slot 1114
- The primary High Speed clock for the **TDM** card in slot 1116

- The secondary High Speed clock for the **TDM** card in slot 1116

Example

```
   station1234 99-03-05 16:28:08 EST  EAGLE 31.6.0
** 0052.0189 ** HS CLOCK SYSTEM  1114-SHS, 1116-PHS,1116-SHS clocks failed
```

Alarm Level: Major

Recovery

1. Use the `rept-stat-clk` command to determine the current clock configuration.

   Example of the output:

```
    rept-stat-clk
    Command entered at terminal #3.
;
    tekelecstp 99-03-05 13:34:15 EST EAGLE 31.6.0
    CARD LOC= 1114 (Active   )       CARD LOC= 1116 (Isolated )
    PRIMARY BITS      = Active        PRIMARY BITS      = -----
    SECONDARY BITS    = Idle          SECONDARY BITS    = -----
    HS PRIMARY CLK    = Active        HS PRIMARY CLK    = -----
    HS SECONDARY CLK  = Idle          HS SECONDARY CLK  = -----
    HS CLK TYPE       = E1 UNFRAMED   HS CLK TYPE       = -----
    HS CLK LINELEN    = SHORTHAUL     HS CLK LINELEN    = -----
                                      PST           SST       AST
    SYSTEM CLOCK                      IS-NR         ACTIVE    ALMINH
    ALARM STATUS     = No Alarms.
    # Cards using CLK A = 009         # Cards with bad CLK A = 000
    # Cards using CLK B = 000         # Cards with bad CLK B = 009
    # Cards using CLK I = 000
                                      PST           SST       AST
    HS SYSTEM CLOCK                   IS-NR         ACTIVE    ALMINH
    ALARM STATUS     = No Alarms.
    # Cards using HSCLK A = 001       # Cards with bad HSCLK A = 000
    # Cards using HSCLK B = 000       # Cards with bad HSCLK B = 002
    # Cards using HSCLK I = 000
    Command Completed.
```

2. Follow local procedures to troubleshoot and repair the **E1**/**T1** High Speed clocks.
3. If one of the reference clocks is still not functioning, replace the **TDM** card(s).

   Refer to the *Maintenance Manual, Appendix A, Card Removal/Replacement Procedures*.

0192 - 1114-PHS, 1116-PHS clocks failed

This message indicates the primary **E1**/**T1** High Speed clocks for the **TDM** cards in slots 1114 and 1116 have failed.

Example

```
   station1234 99-03-05 16:28:08 EST  EAGLE 31.6.0
** 0052.0192  ** HS CLOCK SYSTEM 1114-PHS, 1116-PHS clocks failed
```

Alarm Level: Major

Recovery

1. Use the `rept-stat-clk` command to determine the current clock configuration.

Example of the output:

```
    rept-stat-clk
    Command entered at terminal #3.
;
    tekelecstp 99-03-05 13:34:15 EST EAGLE 31.6.0
    CARD LOC= 1114 (Active   )       CARD LOC= 1116 (Isolated )
    PRIMARY BITS      = Active        PRIMARY BITS      = -----
    SECONDARY BITS    = Idle          SECONDARY BITS    = -----
    HS PRIMARY CLK    = Active        HS PRIMARY CLK    = -----
    HS SECONDARY CLK  = Idle          HS SECONDARY CLK  = -----
    HS CLK TYPE       = E1 UNFRAMED   HS CLK TYPE       = -----
    HS CLK LINELEN    = SHORTHAUL     HS CLK LINELEN    = -----
                                      PST           SST       AST
    SYSTEM CLOCK                      IS-NR         ACTIVE    ALMINH
    ALARM STATUS     = No Alarms.
    # Cards using CLK A = 009         # Cards with bad CLK A = 000
    # Cards using CLK B = 000         # Cards with bad CLK B = 009
    # Cards using CLK I = 000
                                      PST           SST       AST
    HS SYSTEM CLOCK                   IS-NR         ACTIVE    ALMINH
    ALARM STATUS     = No Alarms.
    # Cards using HSCLK A = 001       # Cards with bad HSCLK A = 000
    # Cards using HSCLK B = 000       # Cards with bad HSCLK B = 002
    # Cards using HSCLK I = 000
    Command Completed.
;
```

2. Follow local procedures to troubleshoot and repair the **E1**/**T1** High Speed clocks.
3. If one of the reference clocks is still not functioning, reseat the associated **TDM** card.

   Make sure the system clock reference is active on the other **TDM** card.
4. If one of the reference clocks is still not functioning, replace the **TDM** card.

   Refer to the *Maintenance Manual, Appendix A, Card Removal/Replacement Procedures*.

0193 - 1114-PHS, 1116-PHS,1116-SHS clks failed

This message indicates the following clocks failed:

- The primary High Speed clock for the **TDM** card in slot 1114
- The primary High Speed clock for the **TDM** card in slot 1116
- The secondary High Speed clock for the **TDM** card in slot 1116

Example

```
   station1234 99-03-05 16:28:08 EST  EAGLE 31.6.0
** 0052.0193 ** HS CLOCK SYSTEM  1114-PHS, 1116-PHS,1116-SHS clks failed
```

Alarm Level: Major

Recovery

1. Use the `rept-stat-clk` command to determine the current clock configuration.

   Example of the output:

```
    rept-stat-clk
    Command entered at terminal #3.
;
    tekelecstp 99-03-05 13:34:15 EST EAGLE 31.6.0
    CARD LOC= 1114 (Active   )       CARD LOC= 1116 (Isolated )
    PRIMARY BITS      = Active        PRIMARY BITS      = -----
    SECONDARY BITS    = Idle          SECONDARY BITS    = -----
    HS PRIMARY CLK    = Active        HS PRIMARY CLK    = -----
    HS SECONDARY CLK  = Idle          HS SECONDARY CLK  = -----
    HS CLK TYPE       = E1 UNFRAMED   HS CLK TYPE       = -----
    HS CLK LINELEN    = SHORTHAUL     HS CLK LINELEN    = -----
                                      PST           SST       AST
    SYSTEM CLOCK                      IS-NR         ACTIVE    ALMINH
    ALARM STATUS     = No Alarms.
    # Cards using CLK A = 009        # Cards with bad CLK A = 000
    # Cards using CLK B = 000        # Cards with bad CLK B = 009
    # Cards using CLK I = 000
                                      PST           SST       AST
    HS SYSTEM CLOCK                   IS-NR         ACTIVE    ALMINH
    ALARM STATUS     = No Alarms.
    # Cards using HSCLK A = 001      # Cards with bad HSCLK A = 000
    # Cards using HSCLK B = 000      # Cards with bad HSCLK B = 002
    # Cards using HSCLK I = 000
    Command Completed.
```

2. Follow local procedures to troubleshoot and repair the **E1**/**T1** High Speed clocks.
3. If one of the reference clocks is still not functioning, reseat the associated **TDM** card.

   Make sure the system clock reference is active on the other **TDM** card.
4. If one of the reference clocks is still not functioning, replace the **TDM** card.

   Refer to the *Maintenance Manual, Appendix A, Card Removal/Replacement Procedures*.

0194 - 1114-PHS, 1114-SHS clocks failed

This message indicates the primary and secondary **E1**/**T1** High Speed clocks for the **TDM** card in slot 1114 have failed.

Example

```
   station1234 99-03-05 16:28:08 EST  EAGLE 31.6.0
** 0052.0194  ** HS CLOCK SYSTEM 1114-PHS, 1114-SHS clocks failed
```

Alarm Level: Major

Recovery

1. Use the `rept-stat-clk` command to determine the current clock configuration.

   Example of the output:

```
    rept-stat-clk
    Command entered at terminal #3.
;
    tekelecstp 99-03-05 13:34:15 EST EAGLE 31.6.0
    CARD LOC= 1114 (Active   )       CARD LOC= 1116 (Isolated )
    PRIMARY BITS      = Active        PRIMARY BITS      = -----
```

```
    SECONDARY BITS    = Idle          SECONDARY BITS    = -----
    HS PRIMARY CLK    = Active        HS PRIMARY CLK    = -----
    HS SECONDARY CLK  = Idle          HS SECONDARY CLK  = -----
    HS CLK TYPE       = E1 UNFRAMED   HS CLK TYPE       = -----
    HS CLK LINELEN    = SHORTHAUL     HS CLK LINELEN    = -----
                                     PST           SST       AST
    SYSTEM CLOCK                     IS-NR         ACTIVE    ALMINH
    ALARM STATUS     = No Alarms.
    # Cards using CLK A = 009        # Cards with bad CLK A = 000
    # Cards using CLK B = 000        # Cards with bad CLK B = 009
    # Cards using CLK I = 000
                                     PST           SST       AST
    HS SYSTEM CLOCK                  IS-NR         ACTIVE    ALMINH
    ALARM STATUS     = No Alarms.
    # Cards using HSCLK A = 001      # Cards with bad HSCLK A = 000
    # Cards using HSCLK B = 000      # Cards with bad HSCLK B = 002
    # Cards using HSCLK I = 000
    Command Completed.
;
```

2. Follow local procedures to troubleshoot and repair the **E1/T1** High Speed clocks.
3. If one of the reference clocks is still not functioning, reseat the associated **TDM** card.

   Make sure the system clock reference is active on the other **TDM** card.
4. If one of the reference clocks is still not functioning, replace the **TDM** card.

   Refer to the *Maintenance Manual, Appendix A, Card Removal/Replacement Procedures*.

0195 - 1114-PHS, 1114-SHS,1116-SHS clks failed

This message indicates the following clocks failed:

- The primary High Speed clock for the **TDM** card in slot 1114
- The secondary High Speed clock for the **TDM** card in slot 1114
- The secondary High Speed clock for the **TDM** card in slot 1116

Example

```
   station1234 99-03-05 16:28:08 EST  EAGLE 31.6.0
** 0052.0194  ** HS CLOCK SYSTEM 1114-PHS, 1114-SHS clocks failed
```

Alarm Level: Major

Recovery

1. Use the `rept-stat-clk` command to determine the current clock configuration.

   Example of the output:

```
    rept-stat-clk
    Command entered at terminal #3.
;
    tekelecstp 99-03-05 13:34:15 EST EAGLE 31.6.0
    CARD LOC= 1114 (Active   )       CARD LOC= 1116 (Isolated )
    PRIMARY BITS      = Active        PRIMARY BITS      = -----
    SECONDARY BITS    = Idle          SECONDARY BITS    = -----
```

```
    HS PRIMARY CLK    = Active        HS PRIMARY CLK    = -----
    HS SECONDARY CLK  = Idle          HS SECONDARY CLK  = -----
    HS CLK TYPE       = E1 UNFRAMED   HS CLK TYPE       = -----
    HS CLK LINELEN    = SHORTHAUL     HS CLK LINELEN    = -----
                                     PST           SST       AST
    SYSTEM CLOCK                     IS-NR         ACTIVE    ALMINH
    ALARM STATUS     = No Alarms.
    # Cards using CLK A = 009        # Cards with bad CLK A = 000
    # Cards using CLK B = 000        # Cards with bad CLK B = 009
    # Cards using CLK I = 000
                                     PST           SST       AST
    HS SYSTEM CLOCK                  IS-NR         ACTIVE    ALMINH
    ALARM STATUS     = No Alarms.
    # Cards using HSCLK A = 001      # Cards with bad HSCLK A = 000
    # Cards using HSCLK B = 000      # Cards with bad HSCLK B = 002
    # Cards using HSCLK I = 000
    Command Completed.
```

2. Follow local procedures to troubleshoot and repair the secondary **E1**/**T1** High Speed clock.
3. If one of the reference clocks is still not functioning, reseat that **TDM** card.
4. If one of the reference clocks is still not functioning, replace the **TDM** card.

   Refer to the *Maintenance Manual, Appendix A, Card Removal/Replacement Procedures*.

0196 - 1114-PHS, 1114-SHS,1116-PHS clks failed

This message indicates the following clocks failed:

- The primary High Speed clock for the **TDM** card in slot 1114
- The secondary High Speed clock for the **TDM** card in slot 1114
- The primary High Speed clock for the **TDM** card in slot 1116

Example

```
   station1234 99-03-05 16:28:08 EST  EAGLE 31.6.0
** 0052.0196  ** HS CLOCK SYSTEM 1114-PHS, 1114-SHS,1116-PHS clks failed
```

Alarm Level: Major

Recovery

1. Use the `rept-stat-clk` command to determine the current clock configuration.

   Example of the output:

```
    rept-stat-clk
    Command entered at terminal #3.
;
    tekelecstp 99-03-05 13:34:15 EST EAGLE 31.6.0
    CARD LOC= 1114 (Active   )       CARD LOC= 1116 (Isolated )
    PRIMARY BITS      = Active        PRIMARY BITS      = -----
    SECONDARY BITS    = Idle          SECONDARY BITS    = -----
    HS PRIMARY CLK    = Active        HS PRIMARY CLK    = -----
    HS SECONDARY CLK  = Idle          HS SECONDARY CLK  = -----
    HS CLK TYPE       = E1 UNFRAMED   HS CLK TYPE       = -----
    HS CLK LINELEN    = SHORTHAUL     HS CLK LINELEN    = -----
```

```
                                    PST           SST       AST
    SYSTEM CLOCK                    IS-NR         ACTIVE    ALMINH
    ALARM STATUS     = No Alarms.
    # Cards using CLK A = 009       # Cards with bad CLK A = 000
    # Cards using CLK B = 000       # Cards with bad CLK B = 009
    # Cards using CLK I = 000
                                    PST           SST       AST
    HS SYSTEM CLOCK                 IS-NR         ACTIVE    ALMINH
    ALARM STATUS     = No Alarms.
    # Cards using HSCLK A = 001     # Cards with bad HSCLK A = 000
    # Cards using HSCLK B = 000     # Cards with bad HSCLK B = 002
    # Cards using HSCLK I = 000
    Command Completed.
;
```

2. Follow local procedures to troubleshoot and repair the primary **E1/T1** High Speed clock.
3. If one of the reference clocks is still not functioning, reseat the associated **TDM** card.
4. If one of the reference clocks is still not functioning, replace the associated **TDM** card.

   Refer to the *Maintenance Manual, Appendix A, Card Removal/Replacement Procedures*.

0197 - All high speed clocks have failed

A fault has been detected on all high speed system clocks.

Example

```
   RLGHNCXA21W 00-12-07 11:02:30 EST  EAGLE 31.6.0
*C 0100.0197 *C HS CLOCK SYSTEM  All high speed clocks have failed
```

Alarm Level: Critical

Recovery

1. Verify the status of the clock with the `rept-stat-clk` command.

   If both clocks are idle, check the source clock into the system. Follow local maintenance procedures to repair the source clock.
2. Verify the clock cables are connected to the shelf backplane (refer to the *Installation Manual* for cable location).

   If any cables are loose, reconnect the cable.
3. If the clock source is not at fault, try reseating the **TDM** cards.
4. If the message appears again, replace the **TDM** cards.

   Refer to the *Maintenance* manual for card removal/replacement procedures.
5. If the fault still does not clear, contact the My Oracle Support (MOS).

0201 - REPT-LKF: remote NE loopback

This message indicates the link is in loopback. This alarm is repeated every 15 minutes until the loopback is deactivated.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0201  ** SLK 1205,A nc00027  REPT-LKF:remote NE loopback
               SLC=01    FECLLI=A1234567890           CLASS=MTP2
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

If the loopback was established in error, enter the following command, specifying the location and port from the output message:

`dact-lbp:loc=xxxx:port=y`

where *xxxx* = the card location from the outputy = the port *A* or *B* from the output.

0202 - REPT-LKF: HWP - too many link interrupts

This message indicates the link has had numerous interruptions.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.202 ** SLK 1205,A nc00027 REPT-LKF:HWP - too many link interrupts
               SLC=01   FECLLI=A1234567890           CLASS=SAAL
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

1. The number of interruptions has exceeded the threshold.

   This situation can be caused by excessive noise from unshielded cables, loose or disconnected cables.

2. Check the physical connections to the specified card.

3. Follow local procedures to test the link facilities.

0203 - REPT-LKF: lost data

The signaling link has lost data.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0203  ** SLK 1205,A nc00027  REPT-LKF:lost data
               SLC=03   FECLLI=testclli           CLASS=MTP2
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

1. Check the physical connections to the signaling link.
2. Using an analyzer, test for level 1 and level 2 functions.

   Follow local procedures to test and return links to service.

0204 - REPT-LKF: XER - ERM threshold exceeded

The signal unit error rate monitor (**ERM**) has exceeded the threshold because there are too many errors on the link.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0204 ** SLK 1205,A nc00027  REPT-LKF:XER-ERM threshold exceeded
               SLC=01    FECLLI=A1234567890            CLASS=SAAL
```

Alarm Level: Major

Recovery

Follow local procedures to test the link facilities.

0205 - REPT-LKF: APF - lvl-2 T1 expd (ready)

The signaling link did not receive a fill-in or message signal unit after the proving period.

Example

```
    RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0313.0205  ** SLK 1205,A nc00027  REPT-LKF:APF-lvl-2 T1 expd (ready)
               SLC=03   FECLLI=testclli           CLASS=MTP2
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

If the problem persists, follow local procedures to determine why the far-end is not responding correctly.

0206 - REPT-LKF: APF - lvl-2 T1 expd (not ready)

The signaling link did not receive a fill-in or message signal unit after the proving period.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0313.0206 ** SLK 1205,A nc00027 REPT-LKF:APF - lvl-2 T1 expd (not ready)
               SLC=01   FECLLI=A1234567890           CLASS=SAAL
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

1. If the problem persists, follow local procedures to determine why the far-end is not responding correctly.

0207 - REPT-LKF: APF - lvl-2 T3 expired

The link did not receive an **SIN** or an **SIE** before the T3 timer expired.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0207  ** SLK 1205,A nc00027  REPT-LKF:APF - lvl-2 T3 expired
                SLC=03   FECLLI=testclli            CLASS=MTP2
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

If the problem persists, follow local procedures to determine why the far-end is not responding correctly.

0208 - REPT-LKF: APF - lvl-2 T2 expired

The link did not receive an **SIN**, **SIE**, or **SIOS**.

Example

```
    RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0208  ** SLK 1205,A nc00027  REPT-LKF:APF - lvl-2 T2 expired
                SLC=03   FECLLI=testclli            CLASS=SAAL
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

If the problem persists, follow local procedures to determine why the far-end is not responding correctly.

0209 - REPT-LKF: APF - failed proving period

The signaling link has failed the proving period.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0209 ** SLK 1205,A nc00027 REPT-LKF: APF - failed proving period
                SLC=03   FECLLI=testclli            CLASS=MTP2
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

If the problem persists, follow local procedures to determine why the far-end is not responding correctly.

0210 - REPT-LKF: OSA - received SIO

The signaling terminal has received the status indication Out of Alignment from the far end.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0210  ** SLK 1205,A nc00027  REPT-LKF: OSA - received SIO
               SLC=03   FECLLI=testclli           CLASS=SAAL
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

If the problem persists, follow local procedures to determine why the far-end is not responding correctly.

0211 - REPT-LKF: OSA - received SIN

The signaling terminal has received the status indication normal proving from the far end.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0211 **  SLK 1205,A nc00027  REPT-LKF: OSA - received SIN
               SLC=03   FECLLI=testclli           CLASS=MTP2
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

If the problem persists, follow local procedures to determine why the far-end is not responding correctly.

0212 - REPT-LKF: OSA - received SIE

The signaling terminal has received the status indication emergency alignment, from the far end.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0212  **  SLK 1205,A nc00027  REPT-LKF: OSA - received SIE
               SLC=03   FECLLI=testclli           CLASS=SAAL
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

If the problem persists, follow local procedures to determine why the far-end is not responding correctly.

0213 - REPT-LKF: OSA - received SIOS

The signaling link has received the status indication out of service from the far end.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0213 **  SLK 1205,A nc00027  REPT-LKF: OSA - received SIOS
               SLC=03   FECLLI=testclli            CLASS=MTP2
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

If the problem persists, follow local procedures to determine why the far-end is not responding correctly.

0214 - REPT-LKF: ABN - rcvd 2 of 3 invalid BSN

The link has received 2 out of 3 invalid backward sequence numbers (**BSNs**) from the far end.

Example

```
    RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0214 ** SLK 1205,A nc00027  REPT-LKF: ABN - rcvd 2 of 3 invalid BSN
               SLC=03   FECLLI=testclli            CLASS=SAAL
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

If the problem persists, follow local procedures to determine why the far-end is not responding correctly.

0215 - REPT-LKF: ABN - rcvd 2 of 3 invalid FIB

The signaling link has received 2 out of 3 invalid forward indicator bits (**FIB**) from the far end.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0215 **  SLK 1205,A nc00027  REPT-LKF: ABN-rcvd 2 of 3 invalid FIB
               SLC=03   FECLLI=testclli            CLASS=MTP2
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

If the problem persists, follow local procedures to determine why the far-end is not responding correctly.

0216 - REPT-LKF: remote congestion timeout

The remote node has been in congestion too long. The T6 timer has timed out.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0216 ** SLK 1205,A nc00027  REPT-LKF:remote congestion timeout
               SLC=03   FECLLI=testclli            CLASS=SAAL
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

If the problem persists, follow local procedures to determine why the far end is not responding correctly.

1. Enter `rept-stat-card:mode=full:loc=xxxx` to determine if the signaling link is M2PA. If so, continue to 2. If not, skip to 3.
2. If this alarm is raised for IPSG M2PA signaling links, do the following:
   a. Enter the `rept-stat-iptps` and `msucount -l` commands to determine how much traffic is received and transmitted on the M2PA links.
   b. Enter the `rtrv-ls` command to determine the amount of **rsvdslktps** and **maxslktps** traffic that the **M2PA** signaling link can receive based on what is provisioned. (The `rsvdslktps` is the reserved-per-signaling-link TPS for IPSG linkset; this indicates the minimum guaranteed capacity for each link in the linkset. The `maxslktps` is the maximum-per-signaling-link TPS; this indicates the maximum traffic permitted when sufficient unused capacity is present on the host card.)
   c. Determine if the value exceeds the incoming traffic rate that the near end can accept. If the value is incorrect, enter the `chg-ls` command to increase or decrease the minimum and maximum **TPS** for the M2PA signaling link.

   Note: This step applies to only IPSG M2PA links and not to IPLIM M2PA links.
3. If the problem persists, follow local procedures to determine why the far end is not responding correctly.

0217 - REPT-LKF: XDA - excess acknowledge delay

The T7 timer has timed out. Either there is too much incoming traffic on M2PA signaling links, or the far end node is taking too long to acknowledge the messages sent to it by the signaling terminal.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0217 ** SLK 1205,A nc00027  REPT-LKF: XDA-excess acknowledge delay
               SLC=03   FECLLI=testclli            CLASS=MTP2
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

1. Enter `rept-stat-card:mode=full:loc=xxxx` to determine if the signaling link is M2PA. If so, continue to 2. If not, skip to 3.
2. If this alarm is raised for M2PA signaling links, do the following:
   a. Enter the `rept-stat-iptps` and `msucount -l` commands to determine how much traffic is received and transmitted on the M2PA links.
   b. Enter the `rtrv-ls` command to determine the amount of **rsvdslktps** and **maxslktps** traffic that the **M2PA** signaling link can receive based on what is provisioned. (The `rsvdslktps` is the reserved-per-signaling-link TPS for IPSG linkset; this indicates the minimum guaranteed capacity for each link in the linkset. The `maxslktps` is the maximum-per-signaling-link TPS; this indicates the maximum traffic permitted when sufficient unused capacity is present on the host card.)
   c. If the value is incorrect to handle the incoming traffic rate, enter the `chg-ls` command to increase or decrease the minimum and maximum **TPS** for the M2PA signaling link.
3. If the problem persists, follow local procedures to determine why the far end is not responding correctly.

0218 - REPT-LKF: COO - rcvd changeover order

The signaling link has received a changeover order from the far end.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0218 **  SLK 1205,A nc00027  REPT-LKF:COO-rcvd changeover order
               SLC=03   FECLLI=testclli            CLASS=SAAL
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

If the problem persists, follow local procedures to determine why the far-end is not responding correctly.

0219 - REPT-LKF: false congestion restart

This message indicates the signaling link has entered a congestion state even though the traffic on the linkset is not high enough to cause congestion. For example, if the link has a high number of retransmissions, the throughput on the link could drop enough to cause congestion on the link. A T31 timer has started. If the link stays in congestion for a specified period, the link is restarted.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0219 **  SLK 1205,A nc00027  REPT-LKF:false congestion restart
               SLC=03   FECLLI=testclli            CLASS=MTP2
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

1. Activate measurements using the `chg-meas:collect=on` command.

   This starts measurements collection.

2. If the link is placed **OOS-MT**, use the measurements collected over the appropriate time period to determine the cause, and determine which action is now necessary.

Note: Refer to the *Measurements Manual* for traffic measurements information.

0220 - REPT-LKF: MTP link restart delayed

This message indicates that a link has gone in and out-of-service. To avoid links going in and out-of-service repeatedly, the EAGLE system uses level 3 T32 timer procedure, which delays restarting a link if the link has an unstable history.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0220 **  SLK 1205,A nc00027  REPT-LKF:MTP link restart delayed
               SLC=03   FECLLI=testclli            CLASS=SAAL
```

Note: The Class parameter in the example is optional. **SS7IPGW** and **IPLIM** links are considered high-speed links by the EAGLE 5 ISS system. They are reported as **CLASS=SAAL**.

Alarm Level: Major

Recovery

The link should become available.

If the problem persists, contact the My Oracle Support (MOS).

0222 - REPT-LKF: remote FE loopback

This message indicates that the specified link has been looped back from the far-end.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0222 **  SLK 1205,A nc00027  REPT-LKF:remote FE loopback
               SLC=03   FECLLI=testclli            CLASS=MTP2
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

If you wish to stop the loopback testing, notify the far-end to stop the testing.

0224 - REPT-LKF: link test failed

This message indicates that the specified link was automatically removed from service (**OOS**) because of a failed signaling link test.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0224 **  SLK 1205,A nc00027  REPT-LKF:link test failed
               SLC=03   FECLLI=testclli            CLASS=MTP2
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

1. Check the physical connections to the signaling link.
2. Follow local procedures to check link data at both ends.
3. Using an analyzer, test for level 1 and level 2 functions.

   Follow local procedures to test and return links to service.

0230 - REPT-LKF: local blocked - thermal

All links to the **HC MIM** are blocked because the the temperature of the **HC MIM** is above operational limits.

Example

```
    RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
**  0014.0230 **  SLK 1205,A nc00027  REPT-LKF: local blocked - thermal
                   SLC=03   FECLLI=testclli            CLASS=MTP2
```

Alarm Level: Major

Recovery

Review the output.

Correct the associated alarms to clear this alarm.

0232 - REPT-LKF: remote blocked

The link is blocked due to an event at the far-end.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0232 **  SLK 1205,A nc00027  REPT-LKF: remote blocked
               SLC=03   FECLLI=testclli           CLASS=MTP2
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

Contact the far-end office to verify a processor outage and correct.

0233 - REPT-LINK-MANUAV: local blocked

A local technician has put the signaling link in processor outage.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0233 **  SLK 1205,A nc00027  REPT-LINK-MANUAV: local blocked
               SLC=03   FECLLI=testclli           CLASS=SAAL
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

1. Verify the condition is not intentional.

   If it is not intentionally blocked, enter the following command to place the link in service: `ublk-slk:loc=xxxx:port=y` where *xxxx* is the card location *y* is the port

2. This should place the processor back into service.

   The following message should appear.

```
   RLGHNCXA03W  00-02-07  11:11:28 EST  EAGLE 35.0.0
   Local processor outage being cleared.
```

0234 - REPT-LKF: RMI remote inhibited

The link has been remotely inhibited by a technician at the far-end office.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0234 **  SLK 1205,A nc00027  REPT-LKF: RMI remote inhibited
               SLC=03   FECLLI=testclli           CLASS=MTP2
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

Contact the far-end office to verify the reason for inhibiting the link.

0235 - REPT-LINK-MGTINH: local inhibited

The link has been inhibited locally by a technician.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0235 **  SLK 1205,A nc00027  REPT-LINK-MGTINH: local inhibited
               SLC=03   FECLLI=testclli            CLASS=SAAL
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

1. Ensure the link should not be inhibited.

   Enter the following command to place the link in service:

   `unhb-slk:loc=xxxx:port=y`

   where *xxxx* is the card location *y* is the port

2. The link should begin transmitting and receiving **MSUs**.

   The following message should appear.

```
RLGHNCXA03W  00-02-07  11:11:28 EST  EAGLE 35.0.0
Allow link message sent to card.
```

0236 - REPT-LKF: not aligned

The signaling link has lost alignment. It can no longer carry traffic.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0236 **  SLK 1205,A nc00027  REPT-LKF: not aligned
               SLC=03   FECLLI=testclli            CLASS=MTP2
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

1. Put the link into a local loopback state.

2. If the link does not align, enter the following command to determine the status of the card:

   ```
   rept-stat-card
   ```

3. If the card has reinitialized, the system software will restore the card.

   If both links on the card are out of service, but the card is **IS-NR** (In-Service-Normal), reseat the card.

4. If the links restore after reseating the card, this procedure is complete.

5. If the links do not restore after reseating the card, enter the following command:

   ```
   rmv-card:loc=xxxx
   ```

   where *xxxx* = the card location.

6. After the command is complete, enter the following command:

   ```
   rst-card:loc=xxxx
   ```

   where *xxxx* = the card location.

7. If the links restore after restoring the card, this procedure is complete.

8. If the fault does not clear, replace the indicated card.

   Refer to the *Maintenance* manual for card removal/replacement procedures.

9. If the link aligns when it is in a loopback state, enter the following command to determine the **DPC** of the far end office:

   ```
   rtrv-slk:loc=xxxx
   ```

   where *xxxx* = the card location. Contact the far end office to determine if the trouble is at that end.

10. If the fault does not clear, determine if any other links on the same carrier are affected.

    If other links on the same carrier are affected, you may have trouble in your carrier.

11. Using measurements, review the activity over the last day and determine if there were a number of retransmits, message losses and so forth.

    Use this data to isolate the problem to the appropriate level (**MTP** level 2, **MTP** level 3, and so forth). Use your company maintenance procedures for testing and clearing faults in carriers.

0237 - REPT-LKF: LM Timer NO-CREDIT expired

The remote node has held the local node in a no-credit state for too long.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0237 **  SLK 1205,A nc00027  REPT-LKF: LM Timer NO-CREDIT expired
               SLC=03   FECLLI=testclli            CLASS=SAAL
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

Contact the far-end office to test and correct the link congestion problem.

0238 - REPT-LKF: XDA-Timer NO-RESPONSE expired

The far end is not responding to the outgoing **POLL** messages.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0238 **  SLK 1205,A nc00027  REPT-LKF: Timer NO-RESPONSE expired
               SLC=03   FECLLI=testclli            CLASS=MTP2
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

Contact the far-end office to determine why no **STAT** messages are being sent.

0239 - REPT-LKF: MBL-local processor outage

Indicates a spontaneous or management-initiated processor outage.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0239 **  SLK 1205,A nc00027  REPT-LKF:MBL - local processor outage
               SLC=03   FECLLI=testclli            CLASS=MTP2
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

1. Enter the following command to determine whether the outage was spontaneous or management-initiated:

   ```
   rept-stat-slk:l2stats=both
   ```

2. Analyze the output.

   If the processor outage was spontaneous, contact the My Oracle Support (MOS).

0240 - REPT-LKF: rcvd remote processor outage

The far end sent an **END** processor outage protocol data unit (**PDU**).

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0240 **  SLK 1205,A nc00027  REPT-LKF: rcvd remote processor outage
               SLC=03   FECLLI=testclli            CLASS=MTP2
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

Contact the far-end office to verify a processor outage and the cause.

0241 - REPT-LKF: rcvd remote out of service

The far end sent an **END** out of service protocol data unit (**PDU**).

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0241 **  SLK 1205,A nc00027  REPT-LKF: rcvd remote out of service
               SLC=03   FECLLI=testclli           CLASS=MTP2
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

Contact the far-end office to correct the problem.

0242 - REPT-LKF:rcvd remote protocol error

A protocol error has occurred on the far end.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0242 **  SLK 1205,A nc00027  REPT-LKF:rcvd remote protocol error
               SLC=03   FECLLI=testclli           CLASS=MTP2
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

Contact the far-end office to test and correct the problem.

0243 - REPT-LKF:rcvd remote mgmt inititated

The **MAAL** layer (not a user) on the far end released a link.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0243 **  SLK 1205,A nc00027  REPT-LKF:rcvd remote mgmt inititated
               SLC=03   FECLLI=testclli           CLASS=MTP2
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

Contact the far-end office for the details about releasing the link.

0244 - REPT-LKF: FAC – DS1/E1 LOS failure

A level 1 facility outage: loss of signal.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0244 **  SLK 1205,A nc00027  REPT-LKF: FAC – DS1/E1 LOS failure
               SLC=03   FECLLI=testclli            CLASS=MTP2
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

1. Enter the following command to display the service data:

   ```
   rept-stat-slk:l2stats=both
   ```

2. Check the physical connections to the signaling link.

3. Using an analyzer, test for level 1 and level 2 functions.

   Follow local procedures to test and return links to service.

0245 - REPT-LKF: FAC – DS1/E1 LOF failure

A level 1 facility outage: loss of frame.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0245 **  SLK 1205,A nc00027  REPT-LKF: FAC – DS1/E1 LOF failure
               SLC=03   FECLLI=testclli            CLASS=MTP2
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

1. Enter the following command to display the service data:

   ```
   rept-stat-slk:l2stats=both
   ```

2. Check the physical connections to the signaling link.

3. Using an analyzer, test for level 1 and level 2 functions.

   Follow local procedures to test and return links to service.

0246 - REPT-LKF: FAC – DS1/E1 LCD failure

A level 1 facility outage: loss of cell delineation.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0246 **  SLK 1205,A nc00027  REPT-LKF: FAC - DS1/E1 LCD failure
               SLC=03   FECLLI=testclli            CLASS=MTP2
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

1. Enter the following command to display the service data:

   `rept-stat-slk:l2stats=both`

2. Check the physical connections to the signaling link.

3. Using an analyzer, test for level 1 and level 2 functions.

   Follow local procedures to test and return links to service.

0247 - REPT-LKF: XER - ISERM threshold exceeded

The in-service error rate monitor (**ISERM**) maintains a counter to estimate the **PDU** error rate. The **ISERM** counter exceeded the estimated threshold.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0247 **  SLK 1205,A nc00027 REPT-LKF:XER - ISERM threshold exceeded
               SLC=03   FECLLI=testclli            CLASS=MTP
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

Contact the far-end office to determine why the error rate is so high.

0248 - DDL Unstable

This alarm indicates the DDL unstable has been detected.

Example

```
12345678901234567890123456789012345678901234567890123456789012345678901234567890

**  0002.0248 ** Card 1212            DDL Unstable
```

Alarm Level: Major

Recovery

Contact Customer Service.

0249 - DDL Stable

This indicates the DDL is no longer unstable.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

    0002.0249 *  Card 1212            DDL Stable
```

Alarm Level: None

No further action necessary.

0261 - MPS unavailable

This message indicates that the EAGLE 5 ISS system is unable to communicate with the **MPS** or the **MPS** has an internal failure.

Example

```
   station1234 99-03-30 16:28:08 EST  EAGLE 35.0.0
*C 3535.0261  *C  MPS A         MPS unavailable
```

Alarm Level: Critical

Recovery

1. This message reports that communication with the **MPS** is not occurring.

   You should verify the **MPS** is operating and the **IP** link is functioning by performing the following steps.

2. Verify the **IP** connection from the **MPS** to Eagle is operating.

   If not, restore the communication link between the them.

3. Once the communications link with the **MPS** is assured, verify the status of the **MPS**.

   The following example shows a possible system response when a specified **DSM** card is queried with the `rept-stat-mps` command. `rept-stat-mps:loc=1205`

```
rlghncxa03w 01-03-07 10:23:93 EST  EAGLE 35.0.0
CARD   VERSION       TYPE    PST            SST          AST
1205   -----------   DSM     OOS-MT-DSBLD   Manual       -----
  DSM PORT A                 OOS-MT         Unavail      -----
            ALARM STATUS       = **  0084 IP Connection Unavailable
  DSM PORT B                 OOS-MT         Unavail      -----
            ALARM STATUS       = **  0084 IP Connection Unavailable
  INP STAT           = -------
  CARD ALARM STATUS  = No Alarms.
  DSM MEMORY USAGE   = 0%
Command Completed.
;
```

Determine from the output whether the **MPS** is active and available for service. If it is not, refer to the *ELAP Administration and LNP Feature Actiivation* or *EPAP Administration Manual* about restoring an **MPS** server to the active state.

0262 - GTT Duplicate Actn processing stopped

The **Service Module** card received too many MSUs requiring **GTT** Duplicate Actions at one time. As a result, the Service Module card was generating more duplicate MSUs than the card could handle. To prevent the number of duplicates from overwhelming the Service Module card, the card stopped processing GTT Duplicate Actions.

Example

```
**  0002.0262 ** SCCP SYSTEM            GTT Duplicate Actn processing stopped
                  Service: GTT
```

Alarm Level: Major

Recovery

The Service Module card will begin processing GTT Duplicate Actions again with no further action. To prevent the problem from occurring again, do the following:

1. Run the `rept-stat-sccp` command to see the location of the Service Module cards that are not processing GTT Duplicate Actions. Note that this command does *not* display the GTT Actions that resulted in the disabling of GTT Duplicate Actions.
2. To reduce the chance of the overwhelming the Service Module card, do one of the following:
   - Provision fewer GTT Duplicate Actions so that the Service Module card does not generate excess duplicate messages.
   - Rearrange the location of LIM and Service Module cards so that the traffic is evenly distributed among the Service Module cards.

0276 - Insufficient HW for IP7 provisioning

The **DCM** or **EDCM** does not have enough memory to provision for sockets and associations.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0276 ** CARD  1115 DCM   Insufficient HW for IP7 provisioning
               HW VERIFICATION CODE: xxx
```

Alarm Level: Major

Recovery

1. If this message contains the optional line 'HW VERIFICATIONCODE: xxx':
   a. Decode the xxx value and correct the indicated problem.

      See Hardware Verification Codes in UAMsthe section on hardware verification codes in the *Unsolicited Alarms and Information Messages* manual.

   b. After correcting the problem, the card will be in out-of-service maintenance disabled state (**OOS-MT-DSBLD**).

Restore the card back to in-service normal state (**IS-NR**) with the `alw-card` command.

If this message does not contain the optional line 'HW VERIFICATIONCODE: xxx', continue with the next step.

2. Verify the **DCM**/**EDCM** hardware.

   Verify the provisioning rules.

Table 3-3 Maximum Sockets/Associations per Card

Card Type	Socket to Association Ratio	Maximum Associations	Maximum Sockets
DCM	8:1	50	4
EDCM	1:1	50	50

3. If necessary, reduce the number of associations to four or less for **DCMs** or 50 or less for **EDCMs**.

   Refer to the *Database Administration Manual - IP7 Secure Gateway* for detailed provisioning information.

0277 - AS Unavailable

This **Application Server** (**AS**) is not available to carry service traffic. All **ASPs** in this **AS** are not available to carry service traffic.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0277  **  IP7    as3        AS Unavailable
```

Alarm Level: Major

Recovery

1. If the connection is in service, enter this command to generate a report of the **AS** association status: `rept-stat-as:asname="application_server_name"`
2. If the connection is not in service, there is nothing more you can do to fix the problem without further information from the far end, because the far end node is in control of this state.

0283 - LNP Ported LRNs approaching Feat. Cap.

The number of **LNP** ported **LRNs** is greater than the capacity this feature supports.

This **UAM** appears when the **DSMVSCCP** cards are cold-restarted after the **ELAPRTDBs** were pre-populated offline with **LRN** totals that exceed the **LRN** Quantity Feature keys capacities that are currently configured for the EAGLE 5 ISS.

Example

```
   RLGHNCXA21W 03-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0283 ** CARD  1115 DCM  LNP Ported LRNs approaching Feat. Cap.
```

Alarm Level: Major

Recovery

1. Enter the following command to verify the quantity of **LRNs** specified for this system:

   `rtrv-ctrl-feat`

2. Either reduce the number of **LRNs** to the level specified by the output of 1, or respecify the capacity with the `enable-ctrl-feat` command.

0285 - LNP Ported NPAs approaching Feat. Cap.

The number of **LNP** ported **NPANXXs** is greater than the capacity this feature supports.

This **UAM** appears when the **DSMVSCCP** cards are cold-restarted after the **ELAPRTDBs** were pre-populated offline with **NPANXX** totals that exceed the **NPANXX** Quantity Feature keys capacities that are currently configured for the EAGLE 5 ISS.

Example

```
   RLGHNCXA21W 03-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0285 ** CARD  1115 DCM  LNP Ported NPAs approaching Feat. Cap.
```

Alarm Level: Major

Recovery

1. Enter the following command to verify the quantity of **NPANXXs** specified for this system:

   `rtrv-ctrl-feat`

2. Either reduce the number of **NPANXXs** to the level specified by the output of 1, or respecify the capacity with the `enable-ctrl-feat` command.

0287 - RTDB Table Level 2 FAK Cap Exceeded

This **UAM** warns the customer that the total **TNs** in the **LNP** database has reached 95% of the **LNP** database **Feature Access Key** (**FAK**) capacity.

Example

```
   RLGHNCXA21W 03-02-07 11:02:30 EST EAGLE 35.0.0
*C 0100.0287 *C LNP 1115 DCM   RTDB Table Level 2 FAK Cap Exceeded
                TABLE: TN        Threshold Value:               95%
                                 Exceeds 88320000 of 96000000
```

Alarm Level: Critical

Recovery

1. Enter the following command to verify the database threshold:

   `rtrv-th-alm`

   If the threshold is below 95% go to 2.

2. Enter the following command:

   `chg-th-alm:lnptndblv2=xxxx`

where *xxxx*=percentage.

3. If the threshold is at 95% contact the My Oracle Support (MOS).

0288 - RTDB Table Level 1 FAK Cap exceeded

This **UAM** warns the customer that the total **TNs** in the **LNP** database has reached 80% of the **LNP** database **Feature Access Key** (**FAK**) capacity.

Example

```
   RLGHNCXA21W 03-02-07 11:02:30 ESTEAGLE 35.0.0
** 0100.0288 ** LNP 1115 DCM   RTDB Table Level 1 FAK Cap Exceeded
               TABLE: TN        Threshold Value: 80%
                                Exceeds 76800000 of 96000000
```

Alarm Level: Major

Recovery

1. Enter the following command to verify the database threshold:

   `rtrv-th-alm`

   If the threshold is below 80% go to 2.

2. Enter the following command:

   `chg-th-alm:lnptndblv2=xxxx`

   where *xxxx*=percentage.

3. If the threshold is at 80% contact the My Oracle Support (MOS).

0291 - GLS is at minimum service limit

Only one **TSM** configured for generic loader services (**GLS**) is in service. When this module fails, **GLS** is unavailable.

Generic loader services (**GLS**) are used to download gateway screening data to the **LIMs**. **GLS** consists of **TSM** cards configured with **GLS** software. They are only needed when **LIMs** or **TSMs** must be reloaded.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0291 ** GLS SYSTEM          GLS is at minimum service limit
```

Alarm Level: Major

Recovery

1. Use the `rept-stat-card` command to verify status of the **TSM** cards providing **GLS**.

   This command identifies the cards still **IS-NR** (In-Service – Normal) and those cards which are out of service. For example, enter:

   `rept-stat-card`

2. Use the `init-card` command to reinitialize the card and force gateway screening (**GWS**) data to be downloaded from the active **MASP** to the **TSM**.

3. After **GWS** data has been successfully downloaded, use `rept-stat-card` to verify the card(s) have returned to service.
4. If the card(s) do not return to **IS-NR**, then reseat the card(s).
5. If the card(s) still do not return to **IS-NR**, replace the card(s).

   Refer to the *Maintenance Manual, Appendix A, Card Removal/Replacement Procedures*.

0292 - GLS is not available

Generic loading services (**GLS**) is not able to function; the EAGLE 5 ISS may not be performing gateway screening (**GWS**).

At least one card should be returned to **IS-NR** status. This makes **GLS** available and changes the alarm level to major (0291 - GLS is at minimum service limit). The alarm clears after two **TSM** cards have returned to **IS-NR**.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
*C 0100 0292 *C GLS SYSTEM          GLS is not available
```

Alarm Level: Critical

Recovery

1. Use the `rept-stat-card` command to verify status of the **TSM** cards providing **GLS**.

   For example, enter:

   `rept-stat-card`

   Example of the output:

```
RLGHNCXA03W 00-09-27 16:43:42 EST   EAGLE  31.3.0
CARD   VERSION    TYPE    APPL      PST           SST       AST
1113  022-000-000 MCAP    OAM       IS-NR         Active    -----
1114  ----------- TDM     --------  -----         -----     -----
1115  022-000-000 MCAP    OAM       IS-NR         Standby   -----
1116  ----------- TDM     --------  -----         -----     -----
1117  ----------- MDAL    --------  IS-NR         Standby   -----
1204  022-000-000 LIMOCU  SS7ANSI   OOS-MT        Isolated  -----
1205  022-000-000 LIMOCU  SS7ANSI   IS-NR         Active    -----
1206  022-000-000 LIMOCU  SS7ANSI   OOS-MT        Isolated  -----
1212  022-000-000 ACMENET STPLAN    IS-NR         Active    -----
1216  022-000-000 TSM     SCCP      IS-ANR        Standby   -----
1218  022-000-000 TSM     GLS       OOS-MT        Isolated  -----
1312  022-000-000 LIMDS0  SS7ANSI   IS-NR         Active    -----
1313  022-000-000 LIMOCU  SS7ANSI   OOS-MT        Idle      -----
Command Completed.
```

2. Use the `init-card` command to reinitialize the card and force gateway screening (**GWS**) data to be downloaded from the active **MASP** to the **TSM**.
3. The following message should appear.

```
RLGHNCXA03W  00-02-07  11:11:28 EST  EAGLE 35.0.0
Init Card command issued to card 1218
```

4. After **GWS** data has been successfully downloaded, use `rept-stat-card` to verify the card(s) have returned to service.
5. If the card(s) do not return to **IS-NR**, then reseat the card(s).
6. If the card(s) still do not return to **IS-NR**, replace the card(s).

   Refer to the *Maintenance Manual,Appendix A, Card Removal/Replacement Procedures*.

0297 - Incorrect port configuration

This message indicates that a **MPL** card with more than ports A and B provisioned has been replaced with a 2 port **DS0**-A **LIM** card. This alarm is also generated if an **MPL** card is placed in a **LIM** slot which has either port A or port B provisioned as non-56K bps link speed.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0297  ** CARD 1108  SS7ML     Incorrect LIM port configuration
               HW VERIFICATION CODE: xxx
```

Alarm Level: Major

Recovery

1. If this message contains the optional line 'HWVERIFICATIONCODE: xxx':
   - Decode the xxx value and correct the indicated problem.

     See Hardware Verification Codes in UAMsthe section on hardware verification codes in the *Unsolicited Alarms and Information Messages* manual.
   - After correcting the problem, the card will be in *out-of-service maintenance disabled state* (**OOS-MT-DSBLD**).

     Restore the card back to *in-service normal state* (**IS-NR**) with the `alw-card` command.
2. If this message does not contain the optional line 'HWVERIFICATIONCODE: xxx', perform either of the following:
   - Replace the **LIMDS0**-A card with an **MPL** card.

     OR
   - This card has only 2 ports.

     Re-provision this **DS0**-A card and provision only ports A and B. Refer to the *Database Administration Manual - SS7* to fix the incorrect port configuration.

0300 - TVG Grant Failure

This message indicates that for some card in the system, the grant mechanism (as part of the Multicast Capacity Feature) failed for at least 60 seconds, or more than one time for a 15-second period. A **TVG** granter failure is defined as a **TVG** request that completes with a time-out (hardware or software) and/or a status value where the Granter Present bit is not set.

Example

```
   RLGHNCXA21W 09-04-06 11:55:14 EST  EAGLE5 40.3.0-62.15.21
**  0016.0300 ** CARD 1203 SS7ML    TVG Grant Failure
                 INFO:   SCCP  --N---
;
```

An alternate output may be displayed when more than one service is denied.

```
   RLGHNCXA21W 00-02-07 11:02:30 EST EAGLE 35.0.0
** 6054.0300  ** CARD 3106  IPLHC   TVG Grant Failure
                 INFO:  +SLAN  --N---
;
```

where the "+" sign (`INFO: +SLAN --N---`) indicates more than one service.

Alarm Level: Major

Recovery

1. Enter the following command to verify the status of the **TVG** granter:

   `rept-stat-card:loc=xxxx:mode=full`

   where*xxxx* is the card location identified in the output.

   Example of the output:

```
tekelecstp 08-09-25 12:06:24 IST  EST  EAGLE 39.2.0
CARD   VERSION      TYPE      GPL        PST            SST        AST
1204   131-016-000  LIME1     SS7HC      IS-NR          Active     -----
  ALARM STATUS       =  No Alarms.
  IMTPCI  GPL version = 131-007-000
  BLVXW6  GPL version = 131-009-000
  BLDIAG6 GPL version = 131-008-000
  BLBEPM  GPL version = 128-021-000
  PLDPMC1 GPL version = 128-021-000
  BLCPLD  GPL version = 128-021-000
  IMT BUS A           = Conn
  IMT BUS B           = Conn
  CLOCK A             = Active
  CLOCK B             = Fault
  CLOCK I             = Idle
  HS CLOCK A          = Fault
  HS CLOCK B          = Fault
  HS CLOCK I          = Idle
  MBD BIP STATUS      = Valid
  MOTHER BOARD ID     = EPM A
  DBD STATUS          = Valid
  DBD TYPE            = E1T1
  DBD MEMORY SIZE     = 512M
  HW VERIFICATION CODE = ----
  CARD WARNING        = OBSOLETE FRAMER
  CURRENT TEMPERATURE   =  36C ( 97F)
  PEAK TEMPERATURE:     =  37C ( 99F)     [04-01-05 11:33]
  SIGNALING LINK STATUS
      SLK    PST                LS            CLLI
      A      OOS-MT-DSBLD       lsb           -----------
  TVG STATUS
      SNM     TVG RESULT   = 24 hr: ------, 5 min: ------
      SLAN    TVG RESULT   = 24 hr: ------, 5 min: ------
      SCCP    TVG RESULT   = 24 hr: ------, 5 min: ------
      INM     TVG RESULT   = 24 hr: ------, 5 min: ------
```

```
    Command Completed.
;
```

2. The group ticket voucher status is displayed in these fields:

   `SCCP TVG RESULT` (for SCCP messages)
   `SLAN TVG RESULT` (for STPLAN messages)
   `INM TVG RESULT` (for INM messages)
   `SNM TVG RESULT` (for SNM messages)

   Note: SNM represents network management messages received by the EAGLE (for example, TFP). INM represents network management events internal event processing.

   Group ticket voucher status output is displayed as a series of these letters:

   G
   Service Granted. Indicates normal system behavior.

   D
   Service Denied. Indicates an overload, but the group ticket voucher hardware and software are working correctly.

   N
   No granter in the system. For **GTT** or **STPLAN** traffic, there may be no **TSM-SCCP** cards or **ACMs** in the system. If there are **TSM-SCCP** cards or **ACMs** in the system, then a serious failure is indicated (hardware or software bug or hardware failure)

   H
   Hardware time-out. Indicates the hardware timed out waiting for a group ticket voucher packet to return. Group ticket voucher packets can be lost when a card is plugged in or booted. This is a serious condition if cards have not been connecting or disconnecting from the **IMT**.

   S
   Software time-out. No result was ever returned from hardware, indicating a probable hardware failure.

   I
   Invalid result from hardware.

0308 - Node isolated due to SLK failures

The EAGLE 5 ISS is isolated from other signaling points. All system links are down. Possible causes are as follows:

- Primary and secondary clock sources have failed.
- Signaling links have been manually cancelled.
- All cards have been manually inhibited.
- Both **IMT** busses have failed.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
*C 0100.0308 *C SYSTEM            Node isolated due to SLK failures
```

Alarm Level: Critical

Recovery

1. Contact the My Oracle Support (MOS).
2. Restore the signaling links to service by entering the following:

   `act-slk:loc=xx:port=x`

   The following message should appear:

   ```
   RLGHNCXA03W  00-02-07  11:11:28 EST  EAGLE 35.0.0
   Activate SLK message sent to card
   ```

3. Enter the following to restore the cards:

   `rst-card:loc=xxxx`

   Note: The card locations (*xxxx*) must be specified and the command repeated for each card.

   Automatic recovery of the **SLKs** should occur.

4. Activate measurements using the `chg-meas:collect=on` command.

   This starts measurements collection.

   Note: Refer to the *Measurements Manual* for traffic measurements information.

0313 - DPC is prohibited

Traffic to the **DPC** is prohibited. Possible causes:

- All routes to this **DPC** are unavailable.
- Adjacent point code link failures or nonadjacent failure in the route.

Example

```
12345678901234567890123456789012345678901234567890123456789012345678901234567890

**  0044.0313 *C DPCN24    001-001-001   DPC is prohibited
                LSN=lsn012345
                Prohibited SS  5, 20
```

Legend

ALLOWED SS
Allowed subsystem

BLOCKED SS
Blocked subsystem

LSN
Linkset name. The name must be unique.

PROHIBITED SS
Prohibited subsystem

UNBLOCKED SS
Unblocked subsystem

Alarm Level: Critical

Recovery

1. Enter the `rept-stat-rte` command using the **DPC** specified from the output message to determine which linkset has a problem.
2. Enter the `rept-stat-ls` using the linkset name specified from the output of Step 1 to determine which link(s) could have a problem.
3. Use local procedures to test the link facilities.

0318 - REPT-LKSTO: Link set prohibited

This message indicates a linkset is out of service.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0318 **   LSN a54646     REPT-LKSTO: Link set prohibited
```

Alarm Level: Major

Recovery

1. Verify the link status using the `rept-stat-slk` command.

   For example, enter:

   `rept-stat-slk:loc=1203:port=b`

   Example of the output:

```
RLGHNCX A03W 00-02-07 12:02:36 EST  EAGLE 35.0.0
SLK     LSN          CLLI         PST           SST        AST
1203,B  nsp1         ls02clli     OOS-MT        Unavail     ----
   ALARM STATUS       =  No alarm
   UNAVAIL REASON     =  FL NA LI RI
Command Completed.
```

2. Check the **UNAVAIL REASON** field in the output of the `rept-stat-slk` command.

   Following is an explanation of the **UNAVAIL REASON** codes:

   FC – The signaling link is unavailable because of false congestion.

   FL – The signaling link has a fault.

   NA – The signaling link is not aligned.

LI – The signaling link has been inhibited locallyRI – The signaling link has been inhibited remotely.

LB – The signaling link has been blocked locally.

RB – The signaling link has been blocked remotely.

RD(xx.xxx) – The signaling link is unavailable because of a restart delay to prevent signaling link oscillation. The number in parentheses indicates the amount of time, in seconds, remaining in the restart delay period. The link is restarted automatically after this amount of time has elapsed.

3. If the **UNAVAIL REASON** indicates an alignment problem or fault, activate a loopback using the `act-lpb` command, or use a physical loopback.

   (For a **V.35**, you must use an appropriate physical **V.35** loopback.) If the signaling link aligns, contact the far-end to correct the problem.

4. If the **UNAVAIL REASON** still indicates an alignment problem or fault, check the status of the card by entering the `rept-stat-card` command for the specified card.

5. If the `rept-stat-card` command indicates a problem with the card, reset the card by entering the `init-card` command with the specified card location.

   If the card still does not align, try first reseating the card, then replacing the card. Refer to the *Maintenance Manual,Appendix A, Card Removal/Replacement Procedures*.

6. If the **UNAVAIL REASON** indicates a locally inhibited link, enter the `unhb-slk` command with the specified card location.

7. If the **UNAVAIL REASON** indicates a locally blocked link, enter the `ublk-slk` command with the specified card location.

8. If the signaling is blocked or inhibited remotely, contact the far-end to place the link in-service.

0319 - REPT-MTPLP-DET: Circ rte det(cong)

The system automatically tests for circular routing when congestion occurs on an **ANSI** signaling link. If the routing data was provisioned incorrectly, or was corrupted, **MSU**s could be routed in an endless circular route. The incorrect routing data could be on the system or at a remote **STP**. This message indicates that circular routing has been detected.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
*C  0044.0319 *C RTXN24    001-101-001   REPT-MTPLP-DET: Circ rte det(cong)
                 OPCA=   007-001-000
                 XMIT LSN=ls04   RC=20
                 RCV LSN=lsna05
                 MEMBER=011-210-004
```

Alarm Level: Critical

Recovery

1. Enter the following command to check the routing information for the specified **DPC**:

   `rtrv-rte`

   If the problem is in the routing table of an adjacent node, contact the node (identified in the `rtrv-rte` command output) to resolve the circular routing problem. If the routing information is correct, continue with 4. If there is an error in the routing information, continue with 2.

2. Enter the following command to delete the route in the error message from the database:

   `dlt-rte:aaaa=xxx-xxx-xxx:lsn=yyyy`

   where*aaa* = *dpc*,*dpca*,*dpci*, or*dpcn xxx-xxx-xxx* = destination point code and*yyyy* = the linkset name associated with the route.

3. To enter the correct route information, refer to *Database Administration - SS7 User's Guide* for the procedure on adding a route to the SS7 configuration.

4. Enter the following command to reset the destination circular routing status:

   `rst-dstn:dpc=x-x-x`

   where*x-x-x* = the destination point code of the destination.

0320 - REPT-MTPLP-SUST: Sustained circ rt(cong)

The system automatically tests for circular routing when congestion occurs on an **ANSI** signaling link. If the routing data was provisioned incorrectly, or was corrupted, **MSUs** could be routed in an endless circular route. The incorrect routing data could be on the system or at a remote **STP**. This message indicates that circular routing has been detected.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
*C 0014.0320 *C DPC 011-210-*   REPT-MTPLP-SUST: Sustained circ rt(cong)
                XMT LSN=ls01  RC=10
                RCV LSN=ls14
                MEMBER=011-210-007
```

Alarm Level: Critical

Recovery

1. Enter the following command to check the routing information for the specified **DPC**:

   `rtrv-rte`

   If the problem is in the routing table of an adjacent node, contact the node (identified in the `rtrv-rte` command output) to resolve the circular routing problem. If the routing information is correct, continue with 4. If there is an error in the routing information, continue with 2.

2. Enter the following command to delete the route in the error message from the database:

   `dlt-rte:aaaa=xxx-xxx-xxx:lsn=yyyy`

where *aaa* = *dpc*, *dpca*, *dpci*, or *dpcn xxx-xxx-xxx* = destination point code and *yyyy* = the linkset name associated with the route.

3. Refer to the "Adding a Route" procedures in *Database Administration Manual - SS7* to enter the correct route information.

4. Enter the following command to reset the destination circular routing status:

   ```
   rst-dstn:dpc=x-x-x
   ```

   where *x-x-x* = the destination point code of the destination.

0325 - DPC subsystem is blocked

The **DPC** subsystem is blocked due to administrative action.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
*C 0014.0325 *C DPC 144-201-001     DPC subsystem is blocked
                LSN=nc00027
                Prohibited SS  1, 5, 18
                Allowed SS     3, 6
                Blocked SS     100, 103
                Unblocked SS   2, 102, 221
```

Legend

ALLOWED SS
Allowed subsystem

BLOCKED SS
Blocked subsystem

LSN
Linkset name. The name must be unique.

PROHIBITED SS
Prohibited subsystem

UNBLOCKED SS
Unblocked subsystem

Alarm Level: Critical

Recovery

Contact the far-end to correct the problem.

0326 - DPC subsystem is prohibited

The indicated **DPC** Subsystem is prohibited.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
*C 0014.0326 *C DPC 144-201-001     DPC subsystem is prohibited
                LSN=nc00027
                Prohibited SS  1, 5, 18
                Allowed SS     3, 6
```

```
              Blocked SS     100, 103
              Unblocked SS   2, 102, 221
```

Legend

ALLOWED SS
Allowed subsystem

BLOCKED SS
Blocked subsystem

LSN
Linkset name. The name must be unique.

PROHIBITED SS
Prohibited subsystem

UNBLOCKED SS
Unblocked subsystem

Alarm Level: Critical

Recovery

Contact the far-end to correct the problem.

0330 - System SCCP TPS Threshold exceeded

This message indicates the Eagle has exceeded its **TPS** (Transactions Per Second) message transport rate threshold. For every 30 seconds the Eagle is above the threshold, an **ATH** (Application Trouble Handler) reports the minimum, maximum and average **TPS** value seen during the past 30-second period.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0330 ** SCCP SYSTEM      System SCCP TPS Threshold exceeded
```

Alarm Level: Major

Recovery

1. Use `rept-stat-sccp` to determine the status of the **SCCP** subsystem.

   This command also identifies which **SCCP** cards are **OOS-MT**. For example, enter:

   `rept-stat-sccp`

   Example of the output:

```
eaglestp 00-10-24 20:38:58 EST EAGLE 35.0.0
    SCCP SUBSYSTEM REPORT IS-NR          Ovflw-1       -----
    SCCP Cards Configured= 4 Cards       IS-NR= 4
    System TCP Alarm Threshold =  80% Total capacity
    System Peak SCCP Load =  3000 TPS
    System Total SCCP Capacity =  5000 TPS
    CARD   VERSION     PST        SST         AST      MSU USAGE   CPU USAGE
    ------------------------------------------------------------------------
    1212   021-001-000 IS-NR      ACTIVE      ALMINH       47%         32%
    ------------------------------------------------------------------------
```

```
    SCCP Service Average MSU Capacity = 47%     Average CPU Capacity = 32%

    Command Completed.
```

Use the command `rept-stat-sccp:mode=perf` to retrieve the maximum and average values, if desired.

2. The user may clear this alarm by raising the threshold limit to a value greater than the maximum value.

   In this case, the alarm stops immediately. You should use the `rtrv-th-alm` command to list the threshold rate, and you may use the `chg-th-alm` command to change the threshold value.

3. The user should evaluate this new traffic level and determine whether additional **SCCP** cards are required to maintain the **TPS** level the system is processing.

4. Use the `rept-stat-card` command to display the card status and maintenance activity states.

   Examine the report for any cards that may be **OOS-MT**.

5. Use the `init-card` command to initialize any cards(s) that are **OOS-MT**.

   This causes the card(s) to reload the **MTP** data as well as **GTT** data tables.

6. Again using the `rept-stat-sccp` command, verify the card(s) have returned to service.

   If any card(s) have failed to return to **IS-NR**, reseat the card(s).

7. If any card(s) remain **OOS-MT**, replace the card(s).

   Refer to the *Maintenance* manual for card removal/replacement procedures.

0331 - SCCP is not available

The **SCCP** subsystem is not available to any **LIM**(s). All **TSM/DSM-SCCP** cards have failed.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
*C 0100.0331 *C SCCP SYSTEM         SCCP is not available
```

Alarm Level: Critical

Recovery

1. Use `rept-stat-sccp` command to determine the status of the **SCCP** subsystem.

   This command also identifies which **TSM/DSM** cards are **OOS-MT**. For example, enter:

   ```
   rept-stat-sccp
   ```

   Example of the output:

   ```
   RLGHNCXA03W 00-02-07 16:10:50 EST  EAGLE 35.0.0
   SCCP SUBSYSTEM REPORT IS-NR          Active     -----
   SCCP Cards Configured= 1  Cards IS-NR= 1  Capacity Threshold = 100%
   ```

```
CARD   VERSION      PST        SST        AST       MSU USAGE  CPU USAGE
    ------------------------------------------------------------------------
1212   021-001-000  IS-NR      Active     ALMINH       47%      32%
    ------------------------------------------------------------------------
SCCP Service Average MSU Capacity = 47%    Average CPU Capacity = 32%
    Command Completed
```

2. Reinitialize any card(s) not in an **IS-NR** state using the `init-card` command.
3. After the card(s) have been reloaded, use the `rept-stat-sccp` command to verify the **SCCP** subsystem has returned to full capacity.
4. If any card(s) fail to return to **IS-NR**, reseat the card(s).
5. If the card(s) still do not return to **IS-NR**, replace the card(s).

   Refer to the *Maintenance Manual, Appendix A, Card Removal/Replacement Procedures*.

0332 - DPC Subsystem is prohibited and blocked

A subsystem is both prohibited and blocked as reported by the network.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
*C 0014.0332 *C DPC 144-201-001   DPC Subsystem is prohibited and blocked
                LSN=nc00027
                Prohibited SS  1, 5, 18
                Allowed SS     3, 6
                Blocked SS     100, 103
                Unblocked SS   2, 102, 221
```

Legend

ALLOWED SS
Allowed subsystem

BLOCKED SS
Blocked subsystem

LSN
Linkset name. The name must be unique.

PROHIBITED SS
Prohibited subsystem

UNBLOCKED SS
Unblocked subsystem

Alarm Level: Critical

Recovery

Contact the far-end to test and correct the problem.

0334 - DPC Subsystem is Abnormal

The indicated **DPC** subsystem is not reachable through the normal route.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
*C 0014.0334 *C DPC 144-201-001     DPC Subsystem is Abnormal
                LSN=nc00027
                Prohibited SS  1, 5, 18
                Allowed SS     3, 6
                Blocked SS     100, 103
                Unblocked SS   2, 102, 221
```

Legend

ALLOWED SS
Allowed subsystem

BLOCKED SS
Blocked subsystem

LSN
Linkset name. The name must be unique.

PROHIBITED SS
Prohibited subsystem

UNBLOCKED SS
Unblocked subsystem

Alarm Level: Critical

Recovery

1. Enter the `rept-stat-rte` command using the **DPC** specified from the output message to determine which linkset has a problem.
2. Enter the `rept-stat-ls` using the linkset name specified from the output of Step 1 to determine which link(s) could have a problem.
3. Use local procedures to test the link facilities.

0336 - LIM(s) have been denied SCCP service

Some **LIM**(s) are using the **SCCP** subsystem, but others have been denied service. This is due to underprovisioning, and will require more Service Module cards to be added.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
*  0100.0336 ** SCCP SYSTEM       LIM(s) have been denied SCCP service
```

Alarm Level: Major

Recovery

1. Use `rept-stat-sccp` command to determine which **LIMs** have been denied **SCCP** service.

   For example, enter:

   `rept-stat-sccp`

   Example of the output:

```
RLGHNCXA03W 00-02-07 16:10:50 EST  EAGLE 35.0.0
SCCP SUBSYSTEM REPORT IS-NR          Active     -----
SCCP Cards Configured= 1  Cards IS-NR= 1  Capacity Threshold = 100%
CARD   VERSION      PST        SST        AST       MSU USAGE  CPU USAGE
    ------------------------------------------------------------------------
1212   021-001-000  IS-NR      Active     ALMINH       47%       32%
    ------------------------------------------------------------------------
SCCP Service Average MSU Capacity = 47%    Average CPU Capacity = 32%
    Command Completed
```

2. Add **TSM**/**DSM**-**SCCP** cards one at a time.

   Monitor the performance of the **SCCP** subsystem with the `rept-stat-sccp` command to determine whether additional cards are needed.

0338 - X-LIST space full-entry(s) discarded

This message indicates that the total number of dynamic status exception list (x-list) entries for cluster routing has exceeded the maximum number configured. No more entries can be added to the list. This can occur because the maximum number of x-list entries is set too low, the timer that eliminates x-list entries after a specified period is set too long, or the x-list needs to be culled.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
*  0100.0338  **  XLIST            X-LIST space full-entry(s) discarded
```

Alarm Level: Major

Recovery

1. To display the system-wide parameters for cluster routing, enter the `rtrv-stpopts` command.

   Example of the output:

```
RLGHNCXA03W  00-07-23  16:02:34 EST  EAGLE. 31.3.0   STP OPTIONS
-------------------------
MTPT31CTL               1
MTPLT1                yes
MTPLTCTDPCQ             3
MTPLTST             10000
MTPXLQ                500
MTPXLET              0100
MTPXLOT               90%
MTPDPCQ              2000
TFATFRPR             1000
MTPRSI                yes
MTPRSIT              5000
```

   The **mtpxlq** parameter is the total number of dynamic status exception list (x-list) entries the EAGLE 5 ISS maintains. There are 2500 total table entries. The default values allow for 2000 entries for provisioned destinations and 500 for x-list entries. (If you increase the number of x-list entries, you must decrease the number of **DPCs** that can be provisioned by changing the **mtpdpcq** parameter.) The **mtpxlet** parameter is the maximum amount of time the EAGLE 5 ISS maintains an unreferenced x-list entry.

2. Use the `chg-stpopts` to change the number of x-list entries or the x-list expiration timer.
3. If the problem persists, use the `dact-rstst` command to eliminate specific x-list entries.

0341 - OAP Unavailable

This message indicates that the EAGLE 5 ISS system is unable to communicate with the **OAP** or the **OAP** has an internal failure.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0341  **  OAP B       OAP Unavailable
```

Alarm Level: Major

Recovery

1. Enter the command to determine the status of the **OAP**(s):

   `rept-stat-seas`

   Example of the output:

```
RLGHNCXA03W 00-04-17 14:59:11 EST  EAGLE 35.0.0
                         GPL        PST         SST           AST
------------------------------------------------------------------------
SEAS SYSTEM                         IS-ANR      Restricted    -----
TDM TRM           6                 IS-NR       Active        -----
TDM TRM           9                 IS-NR       Active        -----
OAP              A    220-001-000   IS-NR       Active        -----
OAP              B    -----------   OOS-MT      Isolated      -----
X25 Link         A1                 IS-NR       Active        -----
X25 Link         B1                 OS-MT       Fault         -----
SEAS SYSTEM  ALARM STATUS = ** 0362  LSMS is at min service limit
OAP A        ALARM STATUS = No Alarms.
OAP B        ALARM STATUS = ** 0341 OAP unavailable
X25          ALARM STATUS = No Alarms.
X25          ALARM STATUS = ** 0358 LSMS Q.3 association unavailable
X25 A1 PVCs IS-NR   = 1,2,3
X25 A1 PVCs OOS-MT  = ---
X25 B1 PVCs IS-NR   = ---
X25 B1 PVCs OOS-MT  = 1,2,3
Command Completed.
```

   Refer to the *Commands Manual* to interpret the output.

   Note: If the **OAP** has an internal failure, yet it can still communicate with the system, the state for the **OAP** appears in the output as **OOS-MT**/Fault instead of **OOS-MT**/Isolated. For instance, if the **OAP** has a hard disk failure the state would appear as **OOS-MT**/Fault. If the hard disk is full, it will not communicate.

2. If the **OAP** has a hard disk failure or the hard disk is full, contact the My Oracle Support (MOS).

3. If the **OAP**(s) are out-of-service, check the physical connections.

   See the *Installation Manual* for more information about these system components.

4. Check for any fuse alarms on the Fuse and **Alarm** Panel in the **OAP** frame.

   There are two 7.5 amp fuses for each **OAP**. The fuses for **OAP1** are marked "Fuse 1A" and "Fuse 1B". The fuses for **OAP2** are marked "Fuse 2A" and "Fuse 2B". If there is a fuse alarm, replace the fuses for the **OAP** that is unavailable. Also, make sure the two 10 amp breakers are not tripped.

5. Enter the command to verify that the **SEAS** ports are functioning:

   `rept-stat-trm`

   Example of the output:

```
RLGHNCXA03W 00-02-07 09:50:17 EST  EAGLE 35.0.0
TRM  PST            SST           AST
1     IS-NR          Active        -----
2     IS-NR          Active        -----
3     IS-NR          Active        -----
4     OOS-MT-DSBLD   MANUAL        -----
5     IS-NR          Active        -----
6     IS-NR          Active        -----
7     IS-NR          Active        -----
8     IS-NR          Active        -----
9     IS-NR          Active        -----
10    IS-NR          Active        -----
11    IS-NR          Active        -----
12    IS-NR          Active        -----
13    OOS-MT-DSBLD   MANUAL        -----
14    OOS-MT-DSBLD   MANUAL        -----
15    OOS-MT-DSBLD   MANUAL        -----
16    OOS-MT-DSBLD   MANUAL        -----
Command Completed.
```

   Use the output from 1 (**TRM**) to identify the **OAP** ports. Refer to the *Commands Manual* to interpret the output.

6. If a **SEAS** port is **OOS-MT-DSBLD**, enable the port with this command:

   `rst-trm:trm=x`

   where *x* is the **OAP** port number. If this action corrects the problem, you are done with this procedure.

7. If the problem persists, verify that the **OAP** cables are connected to the correct **SEASTDM** port(s).

8. If the problem persists, verify that the **OAP** cables are connected to the correct **OAP** serial ports.

9. Verify the **RS**-232 parameters are configured properly for the **SEAS** port by entering the `rtrv-trm` command for the specified port.

   The port should be configured to 19200 baud, even parity, one stop bit, and hardware flow control.

10. If the problem still persists, reset the **OAP** by entering the `init-oap` command.

The **OAP** comes back in-service within five minutes and the system clears the alarm.

11. If the problem is still not corrected, reseat the **TDM** card.

    If the **OAP** still does not respond, replace the **TDM** card. Refer to the *Maintenance Manual,Appendix A, Card Removal/Replacement Procedures*.

12. If the **OAP** is still not available, contact the My Oracle Support (MOS).

0342 - SEAS UAL unavailable

This message indicates the **SEAS** User Application Layer (**UAL**) process on the **OAP** is not running. Layer 4 (**UPL**) is not available for the specified **OAP**.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0342  **  SEAS OAP B       SEAS UAL unavailable
```

Alarm Level: Major

Recovery

1. The **UAL** should recover automatically by restarting.
2. Enter this command to verify the status of the **OAP**(s):

   ```
   rept-stat-seas
   ```

   Example of the output:

   ```
   RLGHNCXA03W 00-04-17 14:59:11 EST  EAGLE 35.0.0
                           GPL        PST         SST           AST
   ------------------------------------------------------------------------
   SEAS SYSTEM                        IS-ANR      Restricted    -----
   TDM TRM           6                IS-NR       Active        -----
   TDM TRM           9                IS-NR       Active        -----
   OAP              A    220-001-000   IS-NR       Active        -----
   OAP              B    -----------   OOS-MT      Isolated      -----
   X25 Link         A1                 IS-NR       Active        -----
   X25 Link         B1                 OS-MT       Fault         -----
   SEAS SYSTEM  ALARM STATUS = ** 0362  LSMS is at min service limit
   OAP A        ALARM STATUS = No Alarms.
   OAP B        ALARM STATUS = ** 0342 SEAS UAL unavailable
   X25          ALARM STATUS = No Alarms.
   X25          ALARM STATUS = ** 0358 LSMS Q.3 association unavailable
   X25 A1 PVCs IS-NR   = 1,2,3
   X25 A1 PVCs OOS-MT  = ---
   X25 B1 PVCs IS-NR   = ---
   X25 B1 PVCs OOS-MT  = 1,2,3
   Command Completed.
   ```

   Refer to the *Commands Manual* to interpret the output.

3. If the **UAL** does not recover, contact the **SEAC** to test from their equipment to the local synchronous modem.

   Make sure the X.25 link is activated at their end and the link tests within specifications. If possible, have the **SEAC** or **PDN** swap X.25 cards at their end with a known good card.

4. If the problem persists, contact the My Oracle Support (MOS).

0343 - SEAS X.25 Link unavailable

This message indicates the X.25 link to the specified **OAP** is down. Layer 2 is not available for the indicated **SEAS** X.25 link.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0343  **  X25 Link A1         SEAS X.25 Link unavailable
```

Alarm Level: Major

Recovery

1. Enter the command to determine the status of the **SEAS** subsystem:

   ```
   rept-stat-seas
   ```

   Example of the output:

   ```
   RLGHNCXA03W 00-04-17 14:59:11 EST  EAGLE 35.0.0
                           GPL        PST         SST           AST
   ------------------------------------------------------------------------
   SEAS SYSTEM                        IS-ANR      Restricted    -----
   TDM TRM           6                IS-NR       Active        -----
   TDM TRM           9                IS-NR       Active        -----
   OAP              A    220-001-000   IS-NR       Active        -----
   OAP              B    -----------   OOS-MT      Isolated      -----
   X25 Link         A1                 IS-NR       Active        -----
   X25 Link         B1                 OS-MT       Fault         -----
   SEAS SYSTEM  ALARM STATUS = ** 0362  LSMS is at min service limit
   OAP A        ALARM STATUS = No Alarms.
   OAP B        ALARM STATUS = ** 0341 OAP unavailable
   X25          ALARM STATUS = No Alarms.
   X25          ALARM STATUS = ** 0343 SEAS X.25 Link unavailable
   X25 A1 PVCs IS-NR   = 1,2,3
   X25 A1 PVCs OOS-MT  = ---
   X25 B1 PVCs IS-NR   = ---
   X25 B1 PVCs OOS-MT  = 1,2,3
   Command Completed.
   ```

   Refer to the *Commands Manual* to interpret the output.

2. Check the connections from the synchronous modem (in the **OAP** frame) to the **OAP**.

   See the *Installation Manual* for more information about these system components. If the connections are firmly seated, test and if necessary, replace the modem.

3. Determine the status of the X.25 link by entering the following command:

   ```
   rept-stat-seas
   ```

   where x is the appropriate **TRM** number from 1.

   Example of the output:

   ```
   RLGHNCXA03W 00-01-04 15:59:06 EST EAGLE 35.0.0
   SEAS COMPONENT             PST           SST         AST
   ```

```
------------------------------------------------------
SEAS Interface             IS_ANR        Restricted  ------
TRM            = 2         IS-NR         Active      ------
OAP            = A         IS-NR         Active      ------
X25 port       = A1        IS-NR         Active      ALMINH
PVCs IS-NR     = 1, 3
PVCs OOS-MT    = 2
OAP  GPL       = 022-003-000
ALARM STATUS   = *   0344  PVC unavailable.
Command Completed.
```

Refer to the *Commands Manual* to interpret the output.

4. If the problem persists, contact the **SEAC** to test from their equipment to the local synchronous modem.

   Make sure the X.25 link is activated at their end and the link tests within specifications. If possible, have the **SEAC** or **PDN** swap X.25 cards at their end with a known good card.

5. If the problem still persists, reset the **OAP** by entering the `init-oap` command.

   The **OAP** comes back in-service within three minutes and the system clears the alarm.

6. Determine the status of the X.25 link by entering the command:

   `rept-stat-seas`

   where x is the appropriate **TRM** number from Step 1.

7. If the X.25 link is still unavailable, contact the My Oracle Support (MOS).

0345 - All SEAS UAL sessions unavailable

This message indicates the X.25 User Application Layer (**UAL**) is not available. If all **PVCs** for the indicated X.25 link have failed, **UAL** is no longer available, or all **UAL** sessions are unavailable.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0345  **  SEAS X25 Link B1       All SEAS UAL sessions unavailable
```

Alarm Level: Major

Recovery

1. Enter this command to determine the status of the **OAP**(s):

   `rept-stat-seas`

   Example of the output:

```
RLGHNCXA03W 00-04-17 14:59:11 EST  EAGLE 35.0.0
                          GPL        PST         SST           AST
------------------------------------------------------------------------
SEAS SYSTEM                          IS-ANR      Restricted    -----
TDM TRM           6                  IS-NR       Active        -----
TDM TRM           9                  IS-NR       Active        -----
OAP              A    220-001-000    IS-NR       Active        -----
```

```
OAP              B    -----------   OOS-MT      Isolated      -----
X25 Link         A1                 IS-NR       Active        -----
X25 Link         B1                 OS-MT       Fault         -----
SEAS SYSTEM  ALARM STATUS = ** 0362  LSMS is at min service limit
OAP A        ALARM STATUS = No Alarms.
OAP B        ALARM STATUS = ** 0341 OAP unavailable
X25          ALARM STATUS = No Alarms.
X25          ALARM STATUS = ** 0345 All SEAS UAL sessions unavailable
X25 A1 PVCs IS-NR   = 1,2,3
X25 A1 PVCs OOS-MT  = ---
X25 B1 PVCs IS-NR   = ---
X25 B1 PVCs OOS-MT  = 1,2,3
Command Completed.
```

2. Contact the **SEAC** to verify the X.25 **PVCs** are correctly configured and activated.

   The **SEAC** should also deactivate and activate the X.25 link.

3. If the problem persists, reset the **OAP** by entering the `init-oap` command.

   The **OAP** comes back in-service within three minutes and the system clears the alarm.

4. If the problem persists, contact the **SEAC** to test from their equipment to the local synchronous modem.

5. If the X.25 **UAL** is still not available, contact the My Oracle Support (MOS).

0348 - SEAS is at min service limit

This message indicates that some part of the **SEAS** subsystem has failed. When there are two **OAPs**, this could mean that one **OAP** has failed, or some part of the path to the **SEAC** for that **OAP** has failed. When there is only one **OAP** with two X.25 links to the **SEAC** and two connections to the **TDM** serial ports, either one of the X.25 links has failed, or one of the serial port connections to the **TDM** has failed. One more failure in either case will cause the **SEAS** subsystem to fail.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0348  **  SEAS SYSTEM       SEAS is at min service limit
```

Alarm Level: Major

Recovery

1. Determine the status of the **OAP**(s) by entering the following command:

   `rept-stat-seas`

   Example of the output:

```
RLGHNCXA03W 00-04-17 14:59:11 EST  EAGLE 35.0.0
                         GPL        PST         SST           AST
------------------------------------------------------------------------
SEAS SYSTEM                         IS-ANR      Restricted    -----
TDM TRM           6                 IS-NR       Active        -----
TDM TRM           9                 IS-NR       Active        -----
OAP              A    220-001-000   IS-NR       Active        -----
OAP              B    -----------   OOS-MT      Isolated      -----
X25 Link         A1                 IS-NR       Active        -----
```

```
X25 Link         B1                OS-MT       Fault         -----
SEAS SYSTEM  ALARM STATUS = ** 0348  SEAS is at min service limit
OAP A        ALARM STATUS = No Alarms.
OAP B        ALARM STATUS = ** 0341 OAP unavailable
X25          ALARM STATUS = No Alarms.
X25          ALARM STATUS = ** 0358 LSMS Q.3 association unavailable
X25 A1 PVCs IS-NR   = 1,2,3
X25 A1 PVCs OOS-MT  = ---
X25 B1 PVCs IS-NR   = ---
X25 B1 PVCs OOS-MT  = 1,2,3
```

Refer to the *Commands Manual* to interpret the output.

2. If `0341 OAP unavailable` is displayed, follow recovery procedure 0341 - OAP Unavailable.

3. If `0343 SEAS X.25`

   Link unavailable is displayed, follow recovery procedure 0343 - SEAS X.25 Link unavailable.

4. If `0354 OAP TDM Port unavailable` is displayed, follow recovery procedure 0354 - One OAP terminal unavailable.

5. If the **OAP**(s) are out-of-service check the physical connections.

   See the for more information about these system components. If the connections are firmly seated, test and if necessary, replace the modem.

6. Check for any fuse alarms on the Fuse and **Alarm** Panel in the **OAP** frame.

   There are two 7.5 amp fuses for each **OAP**. The fuses for **OAP1** are marked “Fuse 1A” and “Fuse 1B”. The fuses for **OAP2** are marked “Fuse 2A” and “Fuse 2B”. If there is a fuse alarm, replace the fuses for the **OAP** that is unavailable. Also, make sure the two 10 amp breakers are not tripped.

7. Ensure that the other serial port devices are functioning by entering the following command:

   `rept-stat-trm`

   Example of the output:

```
RLGHNCXA03W 00-02-07 09:50:17 EST  EAGLE 35.0.0
TRM  PST            SST           AST
1     IS-NR          Active        -----
2     IS-NR          Active        -----
3     IS-NR          Active        -----
4     OOS-MT-DSBLD   MANUAL        -----
5     IS-NR          Active        -----
6     IS-NR          Active        -----
7     IS-NR          Active        -----
8     IS-NR          Active        -----
9     IS-NR          Active        -----
10    IS-NR          Active        -----
11    IS-NR          Active        -----
12    IS-NR          Active        -----
13    OOS-MT-DSBLD   MANUAL        -----
14    OOS-MT-DSBLD   MANUAL        -----
15    OOS-MT-DSBLD   MANUAL        -----
```

```
16    OOS-MT-DSBLD   MANUAL        -----
Command Completed.
```

Refer to the *Commands Manual* to interpret the output.

8. Enable the terminal port with the following command:

   `rst-trm:trm=x`

   where *x*is the **OAP** port number. If this action corrects the problem, you are done with this procedure.

9. Enter the following command to inhibit the unavailable **OAP** terminal displayed in the output from 1:

   `inh-trm:trm=x`

   where *x* is the port number.

   Note: The force parameter is required for the last **OAP** terminal inhibited.

10. If the problem persists, enter the following command to reset the **OAP**:

    `init-oap:oap=x`

    where *x* is the **OAP** to be initialized. Verify that the **OAP** comes back in-service within five minutes and the system clears the alarm. If this clears the alarm, continue with 14.

11. Enter the following command for the inhibited **OAP** terminal:

    `chg-trm:trm=x:type=none`

    where *x* is the port number.

12. If the problem is still not corrected, reseat the **TDM** card.

    If the **OAP** still does not respond, replace the **TDM** card. Refer to the *Maintenance Manual,Appendix A, Card Removal/Replacement Procedures*.

13. Enter the following command for each **OAP** terminal inhibited:

    `chg-trm:trm=x:type=oap`

    where *x* is the port number.

14. Enter the command to return the **OAP** terminals to the in-service state:

    `alw-trm:trm=x`

    where *x* is the port number.

15. If the problem persists, contact the **SEAC** to test from their equipment to the local synchronous modem.

16. If the problem is still not corrected, contact the My Oracle Support (MOS).

0349 - SEAS unavailable

This message indicates that the EAGLE 5 ISS system is unable to communicate with the **SEAS** subsystem.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
*C 0100.0349  *C  SEAS SYSTEM         SEAS unavailable
```

Alarm Level: Critical

Recovery

1. Enter the following command to determine the status of the **OAP**(s):

   ```
   rept-stat-seas
   ```

   Following is an example of the output:

   ```
   RLGHNCXA03W 00-04-17 14:59:11 EST  EAGLE 35.0.0
                            GPL        PST         SST           AST
   ------------------------------------------------------------------------
   SEAS SYSTEM                         IS-ANR      Restricted    -----
   TDM TRM           6                 IS-NR       Active        -----
   TDM TRM           9                 IS-NR       Active        -----
   OAP              A    220-001-000   IS-NR       Active        -----
   OAP              B    -----------   OOS-MT      Isolated      -----
   X25 Link         A1                 IS-NR       Active        -----
   X25 Link         B1                 OS-MT       Fault         -----
   SEAS SYSTEM  ALARM STATUS = *C 0349  SEAS unavailable
   OAP A        ALARM STATUS = No Alarms.
   OAP B        ALARM STATUS = ** 0341 OAP unavailable
   X25          ALARM STATUS = No Alarms.
   X25          ALARM STATUS = ** 0358 LSMS Q.3 association unavailable
   X25 A1 PVCs IS-NR   = 1,2,3
   X25 A1 PVCs OOS-MT  = ---
   X25 B1 PVCs IS-NR   = ---
   X25 B1 PVCs OOS-MT  = 1,2,3
   Command Completed.
   ```

   Refer to the *Commands Manual* to interpret the output.

2. If the **OAP**(s) are out-of-service, check the physical connections.

   See the *Installation Manual* for more information about these system components. If the connections are firmly seated, test and if necessary, replace the modem.

3. If `0341 OAP unavailable` is displayed, follow recovery procedure 0341 - OAP Unavailable.

4. If `0342 SEAS UAL unavailable` is displayed, follow recovery procedure 0342 - SEAS UAL unavailable.

5. If `0343 SEAS X.25` Link unavailable is displayed, follow recovery procedure 0343 - SEAS X.25 Link unavailable.

6. If 0345 All **SEASUAL** sessions unavailable is displayed, follow recovery procedure 0345 - All SEAS UAL sessions unavailable.

7. If `0350 OAP terminals inhibited` is displayed, follow recovery procedure 0350 - OAP terminals inhibited.

8. Check for any fuse alarms on the Fuse and **Alarm** Panel in the **OAP** frame.

There are two 7.5 amp fuses for each **OAP**. The fuses for **OAP1** are marked “Fuse 1A” and “Fuse 1B”. The fuses for **OAP2** are marked “Fuse 2A” and “Fuse 2B”. If there is a fuse alarm, replace the fuses for the **OAP** that is unavailable. Also, make sure the two 10 amp breakers are not tripped.

9. Enter the following command to verify the status of the other serial port devices:

   ```
   rept-stat-trm
   ```

   Example of the output:

   ```
   RLGHNCXA03W 00-02-07 09:50:17 EST  EAGLE 35.0.0
   TRM  PST            SST           AST
   1     IS-NR          Active        -----
   2     IS-NR          Active        -----
   3     IS-NR          Active        -----
   4     OOS-MT-DSBLD   MANUAL        -----
   5     IS-NR          Active        -----
   6     IS-NR          Active        -----
   7     IS-NR          Active        -----
   8     IS-NR          Active        -----
   9     IS-NR          Active        -----
   10    IS-NR          Active        -----
   11    IS-NR          Active        -----
   12    IS-NR          Active        -----
   13    OOS-MT-DSBLD   MANUAL        -----
   14    OOS-MT-DSBLD   MANUAL        -----
   15    OOS-MT-DSBLD   MANUAL        -----
   16    OOS-MT-DSBLD   MANUAL        -----
   Command Completed.
   ```

   Refer to the *Commands Manual* to interpret the output.

10. Enable the terminal port with the following command:

    ```
    rst-trm:trm=x
    ```

    where *x* is the serial port number. If this action corrects the problem, you are done with this procedure.

11. Enter the following command to inhibit the unavailable **OAP** terminal displayed in the output from 1:

    ```
    inh-trm:trm=x
    ```

    where *x* is the port number.

    Note: The force parameter is required for the last **OAP** terminal inhibited.

12. If the problem persists, enter this command to reset the **OAP**:

    ```
    init-oap:oap=x
    ```

    where *x* is the **OAP** to be initialized. Verify that the **OAP** comes back in-service within five minutes and the system clears the alarm. If this clears the alarm, continue with 14.

13. Enter the following command for the inhibited **OAP** terminal:

    ```
    chg-trm:trm=x:type=none
    ```

where *x* is the port number.

14. If the problem is still not corrected, reseat the **TDM** card.

    If the **OAP** still does not respond, replace the **TDM** card. Refer to the *Maintenance Manual,Appendix A, Card Removal/Replacement Procedures*.

15. Enter the following command for each **OAP** terminal inhibited:

    ```
    chg-trm:trm=x:type=oap
    ```

    where *x* is the port number.

16. Enter the following command to return the **OAP** terminals to the in-service state:

    ```
    alw-trm:trm=x
    ```

    where *x* is the port number.

17. If the problem persists, contact the **SEAC** to test from their equipment to the local X.25 equipment.

18. If the **OAP** is still not available, contact the My Oracle Support (MOS).

0350 - OAP terminals inhibited

This message indicates that the **OAP** terminals are inhibited.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST EAGLE 35.0.0
*C 0100.0350  *C  SEAS SYSTEM     OAP terminals inhibited
```

Alarm Level: Critical

Recovery

1. Enter the following command to determine which ports are inhibited:

   ```
   rept-stat-seas
   ```

   Following is an example of the output:

```
RLGHNCXA03W 00-04-17 14:59:11 EST  EAGLE 35.0.0
                         GPL        PST         SST           AST
------------------------------------------------------------------------
SEAS SYSTEM                         IS-ANR      Restricted    -----
TDM TRM           6                 IS-NR       Active        -----
TDM TRM           9                 IS-NR       Active        -----
OAP              A    220-001-000   IS-NR       Active        -----
OAP              B    -----------   OOS-MT      Isolated      -----
X25 Link         A1                 IS-NR       Active        -----
X25 Link         B1                 OS-MT       Fault         -----
SEAS SYSTEM  ALARM STATUS = *C 0350  OAP terminals inhibited
OAP A        ALARM STATUS = No Alarms.
OAP B        ALARM STATUS = ** 0341 OAP unavailable
X25          ALARM STATUS = No Alarms.
X25          ALARM STATUS = ** 0358 LSMS Q.3 association unavailable
X25 A1 PVCs IS-NR   = 1,2,3
X25 A1 PVCs OOS-MT  = ---
X25 B1 PVCs IS-NR   = ---
```

```
X25 B1 PVCs OOS-MT  = 1,2,3
Command Completed.
```

Refer to the *Commands Manual* to interpret the output.

2. Enter the following command to verify that the other serial port devices are functioning:

   `rept-stat-trm`

   Following is an example of the output:

```
RLGHNCXA03W 00-02-07 09:50:17 EST  EAGLE 35.0.0
    TRM  PST           SST           AST
    1    IS-NR         Active        -----
    2    IS-NR         Active        -----
    3    IS-NR         Active        ALMINH
    4    IS-NR         Active        -----
    5    OOS-MT-DSBLD  Manual        -----
    6    IS-NR         Active        -----
    7    IS-NR         Active        -----
    8    IS-NR         Active        -----
    9    IS-NR         Active        -----
    10   IS-NR         Active        -----
    11   IS-NR         Active        ALMINH
    12   IS-NR         Active        -----
    13   IS-NR         Active        -----
    14   IS-NR         Active        -----
    15   IS-NR         Active        -----
    16   IS-NR         Active        -----
    Command Completed
```

   Refer to the *Commands Manual* to interpret the output.

3. If only the **SEAS** port(s) are not functioning, enable the **SEAS** port(s) with the following command:

   `rst-trm:trm=x`

   where *x* is the **OAP** port number. If this action corrects the problem, you are done with this procedure.

4. Enter the following command to inhibit the unavailable **OAP** terminal displayed in the output from 1:

   `inh-trm:trm=x`

   where *x* is the port number.

   Note: The force parameter is required for the last **OAP** terminal inhibited.

5. Enter the following command for the inhibited **OAP** terminal:

   `chg-trm:trm=x:type=none`

   where *x* is the port number.

6. If the problem is still not corrected, reseat the **TDM** card.

If the problem persists, replace the **TDM** card. Refer to the *Maintenance* manual for card removal/replacement procedures.

7. Enter the following command for each **OAP** terminal inhibited:

   `chg-trm:trm=x:type=oap`

   where *x* is the port number.

8. Enter the following command to return the **OAP** terminals to the in-service state:

   `alw-trm:trm=x`

   where *x* is the port number.

0354 - One OAP terminal unavailable

This message indicates that the **OAP** terminal specified in the output message is not available.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST EAGLE 35.0.0
** 0100.0354  **  OAP B         One OAP terminal unavailable
```

Alarm Level: Major

Recovery

1. Enter the following command to determine which port is unavailable:

   `rept-stat-seas`

   Following is an example of the output:

```
RLGHNCXA03W 00-04-17 14:59:11 EST  EAGLE 35.0.0
                         GPL        PST         SST           AST
------------------------------------------------------------------------
SEAS SYSTEM                         IS-ANR      Restricted    -----
TDM TRM           6                 IS-NR       Active        -----
TDM TRM           9                 IS-NR       Active        -----
OAP              A    220-001-000   IS-NR       Active        -----
OAP              B    -----------   OOS-MT      Isolated      -----
X25 Link         A1                 IS-NR       Active        -----
X25 Link         B1                 OS-MT       Fault         -----
SEAS SYSTEM  ALARM STATUS = ** 0362  LSMS is at min service limit
OAP A        ALARM STATUS = No Alarms.
OAP B        ALARM STATUS = ** 0354 One OAP terminal unavailable
X25          ALARM STATUS = No Alarms.
X25          ALARM STATUS = ** 0358 LSMS Q.3 association unavailable
X25 A1 PVCs IS-NR   = 1,2,3
X25 A1 PVCs OOS-MT  = ---
X25 B1 PVCs IS-NR   = ---
X25 B1 PVCs OOS-MT  = 1,2,3
Command Completed.
```

   Refer to the *Commands Manual* to interpret the output.

2. Enter the following command to verify that the other ports are functioning:

   `rept-stat-trm`

Following is an example of the output:

```
RLGHNCXA03W 00-02-07 09:50:17 EST  EAGLE 35.0.0
TRM  PST            SST           AST
1     IS-NR          Active        -----
2     IS-NR          Active        -----
3     IS-NR          Active        -----
4     OOS-MT-DSBLD   MANUAL        -----
5     IS-NR          Active        -----
6     IS-NR          Active        -----
7     IS-NR          Active        -----
8     IS-NR          Active        -----
9     IS-NR          Active        -----
10    IS-NR          Active        -----
11    IS-NR          Active        -----
12    IS-NR          Active        -----
13    OOS-MT-DSBLD   MANUAL        -----
14    OOS-MT-DSBLD   MANUAL        -----
15    OOS-MT-DSBLD   MANUAL        -----
16    OOS-MT-DSBLD   MANUAL        -----
Command Completed.
```

Refer to the *Commands Manual* to interpret the output.

3. Enable the terminal port with the following command:

   `rst-trm:trm=x`

   where *x* is the serial port number. If this action corrects the problem, you are done with this procedure.

4. Check the physical connections between the **OAP** and the system.

   Make sure the connectors are firmly seated. If this action corrects the problem, you are done with this procedure.

5. Enter the following command to inhibit the unavailable **OAP** terminal displayed in the output from 1:

   `inh-trm:trm=x`

   where *x* is the port number.

   Note: The force parameter is required for the last **OAP** terminal inhibited.

6. If the problem persists, enter the following command to reset the **OAP**:

   `init-oap:oap=x`

   where *x* is the **OAP** to be initialized. Verify that the **OAP** comes back in-service within five minutes and the system clears the alarm. If this clears the alarm, continue with 10.

7. Enter the following command for the inhibited **OAP** terminal:

   `chg-trm:trm=x:type=none`

   where *x* is the port number.

8. If the problem is still not corrected, reseat the **TDM** card.

If the **OAP** still does not respond, replace the **TDM** card. Refer to the *Maintenance* manual for card removal/replacement procedures.

9. Enter the following command for each **OAP** terminal inhibited:

   ```
   chg-trm:trm=x:type=oap
   ```

   where *x* is the port number.

10. Enter the following command to return the **OAP** terminals to the in-service state:

    ```
    alw-trm:trm=x
    ```

    where *x* is the port number.

11. If the problem is still not corrected, contact the My Oracle Support (MOS).

0356 - LSMS is unavailable

There are no communication paths available to the **LSMS**. This condition is reached when all **OAP** terminals are manually inhibited or all **LSMS** associations are down.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
*C 0014.0356  *C   LSMS SYSTEM        LSMS is unavailable
```

Alarm Level: Critical

Recovery

1. Enter the command to verify the status of the terminals:

   ```
   rept-stat-trm
   ```

   Example of the output:

   ```
   RLGHNCXA03W 00-02-07 09:50:17 EST  EAGLE 35.0.0
   TRM  PST            SST           AST
   1     IS-NR          Active        -----
   2     IS-NR          Active        -----
   3     IS-NR          Active        -----
   4     OOS-MT-DSBLD   MANUAL        -----
   5     IS-NR          Active        -----
   6     IS-NR          Active        -----
   7     IS-NR          Active        -----
   8     IS-NR          Active        -----
   9     IS-NR          Active        -----
   10    IS-NR          Active        -----
   11    IS-NR          Active        -----
   12    IS-NR          Active        -----
   13    OOS-MT-DSBLD   MANUAL        -----
   14    OOS-MT-DSBLD   MANUAL        -----
   15    OOS-MT-DSBLD   MANUAL        -----
   16    OOS-MT-DSBLD   MANUAL        -----
   Command Completed.
   ```

   Refer to the *Commands Manual* to interpret the output.

2. Enable the terminal port with the following command:

   ```
   alw-trm:trm=x
   ```

where *x* is the serial port number. If this action corrects the problem, you are done with this procedure.

3. Check the physical connections between the **OAP** and the **LSMS**.

   Make sure the connectors are firmly seated.

4. Check the physical connections between the **OAP** and the system.

   Make sure the connectors are firmly seated.

5. Enter the command to verify the status of the **LSMS**:

   ```
   rept-stat-lsms
   ```

   Sample output:

   ```
   RLGHNCXA03W 00-04-17 14:59:11 EST  Release 31.3.0
                           GPL        PST         SST           AST
   ------------------------------------------------------------------------
   LSMS SYSTEM                        IS-ANR      Restricted    -----
   TDM TRM           6                IS-NR       Active        -----
   OAP              A    220-001-000   OOS-MT      Isolated      -----
   OAP              B    -----------   OOS-MT      Isolated      -----
   Q.3 Assoc        A1                 IS-NR       Active        -----
   Q.3 Assoc        B1                 OS-MT       Fault         -----
   LSMS SYSTEM  ALARM STATUS = *C 0356  LSMS is unavailable
   OAP A        ALARM STATUS = No Alarms.
   OAP B        ALARM STATUS = ** 0341 OAP unavailable
   Q.3 Assoc A1 ALARM STATUS = No Alarms.
   Q.3 Assoc B1 ALARM STATUS = ** 0358 LSMS Q.3 association unavailable
   Command Completed.
   ```

   Refer to the *Commands Manual* to interpret the output.

6. If the problem still persists, reset the **OAP** by entering the command:

   ```
   init-oap:oap=x
   ```

   where x is *a*,*b*, or *both*. See the *Commands Manual* for the correct usage. This procedure is complete if the **OAP** comes back in-service within five minutes and the system clears the alarm.

7. Enter the command to verify the status of the **LSMS**:

   ```
   rept-stat-lsms
   ```

   Refer to 5 for a sample output.

8. Enter the command to inhibit the unavailable **OAP** terminal displayed in the output from 1:

   ```
   inh-trm:trm=x
   ```

   where *x* is the port number.

   Note: The force parameter is required for the last **OAP** terminal inhibited.

9. Enter the command for the inhibited **OAP** terminal:

```
chg-trm:trm=x:type=none
```

where *x* is the port number.

10. If the problem is still not corrected, reseat the **TDM** card.

    If the **OAP** still does not respond, replace the **TDM** card. Refer to the *Maintenance* manual for card removal/replacement procedures.

11. Enter the command for each **OAP** terminal inhibited:

```
chg-trm:trm=x:type=oap
```

where *x* is the port number.

12. Enter this command to return the **OAP** terminals to the in-service state:

```
alw-trm:trm=x
```

where x is the port number.

13. Enter the command to verify the status of the **LSMS**:

```
rept-stat-lsms
```

Refer to 5 for a sample output.

14. If the **LSMS** is still not available, contact the My Oracle Support (MOS).

0358 - LSMS connection unavailable

An **LSMS** connection is not available.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
** 0014.0358  **  LSMS  Q.3 Assoc. A1    LSMS connection unavailable
```

Alarm Level: Major

Recovery

1. Check the physical connections between the **OAP** and the **LSMS**.

   Make sure the connectors are firmly seated.

2. Enter the following command to verify the status of the **LSMS**:

```
rept-stat-lsms
```

A sample output follows:

```
RLGHNCXA03W 00-04-17 14:59:11 EST  Release 31.3.0
                         GPL        PST         SST           AST
------------------------------------------------------------------------
LSMS SYSTEM                         IS-ANR      Restricted    -----
TDM TRM           6                 IS-NR       Active        -----
OAP              A    220-001-000   OOS-MT      Isolated      -----
OAP              B    -----------   OOS-MT      Isolated      -----
Q.3 Assoc        A1                 IS-NR       Active        -----
Q.3 Assoc        B1                 OS-MT       Fault         -----
LSMS SYSTEM  ALARM STATUS = ** 0362  LSMS is at min service limit
OAP A        ALARM STATUS = No Alarms.
```

```
OAP B        ALARM STATUS = ** 0341 OAP unavailable
Q.3 Assoc A1 ALARM STATUS = No Alarms.
Q.3 Assoc B1 ALARM STATUS = ** 0358 LSMS connection unavailable
Command Completed.
```

Refer to the *Commands Manual* to interpret the output.

3. If the problem still persists, reset the **OAP** by entering the following command:

   `init-oap:oap=x`

   where *x* is *a*,*b* or *both*. See the *Commands Manual* for the correct usage. This procedure is complete if the **OAP** comes back in-service within three minutes and the system clears the alarm.

4. Enter the following command to verify the status of the **LSMS**:

   `rept-stat-lsms`

   Refer to 2 for a sample output.

5. Enter the following command to inhibit the unavailable **OAP** terminal displayed in the output from 1:

   `inh-trm:trm=x`where *x* is the port number.

   Note: The force parameter is required for the last **OAP** terminal inhibited.

6. Enter the following command for the inhibited **OAP** terminal:

   `chg-trm:trm=x:type=none`

   where *x* is the port number.

7. If the problem is still not corrected, reseat the **TDM** card.

   If the **OAP** still does not respond, replace the **TDM** card. Refer to the *Maintenance* manual for card removal/replacement procedures.

8. Enter the following command for each **OAP** terminal inhibited:

   `chg-trm:trm=x:type=oap`

   where *x* is the port number.

9. Enter the following command to return the **OAP** terminals to the in-service state:

   `alw-trm:trm=x`

   where *x* is the port number.

10. Enter the following command to verify the status of the **LSMS**:

    `rept-stat-lsms`

    Refer to 2 for a sample output.

11. If the **LSMS** connection is still not available, contact the My Oracle Support (MOS).

0360 - EMS Agent unavailable

An **EMS** agent is not available.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0360  **  OAP B         EMS Agent unavailable
```

Alarm Level: Major

Recovery

1. Reset the **OAP** by entering the following command:

   `init-oap:oap=x`

   where *x* is *a*, *b*, or *both*. Refer to the *Commands Manual* for the correct usage. This procedure is complete if the **OAP** comes back in-service within five minutes and the system clears the alarm.

2. Enter the following command to determine the reason for the failure: `rept-stat-lsms`

   Following is an example of the output:

```
RLGHNCXA03W 00-04-17 14:59:11 EST  Release 31.3.0
                          GPL        PST         SST           AST
------------------------------------------------------------------------
LSMS SYSTEM                          IS-ANR      Restricted    -----
TDM TRM           6                  IS-NR       Active        -----
OAP              A    220-001-000    OOS-MT      Isolated      -----
OAP              B    -----------    OOS-MT      Isolated      -----
Q.3 Assoc        A1                  IS-NR       Active        -----
Q.3 Assoc        B1                  OS-MT       Fault         -----
LSMS SYSTEM  ALARM STATUS = ** 0362  LSMS is at min service limit
OAP A        ALARM STATUS = No Alarms.
OAP B        ALARM STATUS = ** 0360 EMS Agent unavailable
Q.3 Assoc A1 ALARM STATUS = No Alarms.
Q.3 Assoc B1 ALARM STATUS = ** 0358 LSMS Q.3 association unavailable
Command Completed.
```

   Refer to the *Commands Manual* to interpret the output.

3. Enter the following command to inhibit the unavailable **OAP** terminal displayed in the output from Step 2:

   `inh-trm:trm=x`

   where *x* is the port number.

   Note: The force parameter is required for the last **OAP** terminal inhibited.

4. Enter the following command for the inhibited **OAP** terminal:

   `chg-trm:trm=x:type=none`

   where *x* is the port number.

5. If the problem is still not corrected, reseat the **TDM** card.

   If the **OAP** still does not respond, replace the **TDM** card. Refer to the *Maintenance* manual for card removal/replacement procedures.

6. Enter the following command for each **OAP** terminal inhibited:

   `chg-trm:trm=x:type=oap`

   where *x* is the port number.

7. Enter the following command to return the **OAP** terminals to the in-service state:

   `alw-trm:trm=x`

   where *x* is the port number.

8. If the **EMS** agent is still not available, contact the My Oracle Support (MOS).

0362 - LSMS is at min. service limit

Only one communication path is available to the **LSMS**.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
** 0014.0362  **   LSMS SYSTEM        LSMS is at min. service limit
```

Alarm Level: Major

Recovery

1. Enter the following command to determine the reason for the failure:

   `rept-stat-lsms`

   Following is an example of the output:

```
                          GPL        PST         SST           AST
RLGHNCXA03W 00-04-17 14:59:11 EST  Release 31.3.0
------------------------------------------------------------------------
LSMS SYSTEM                        IS-ANR      Restricted    -----
TDM TRM           6                IS-NR       Active        -----
OAP              A    220-001-000   OOS-MT      Isolated      -----
OAP              B    -----------   OOS-MT      Isolated      -----
Q.3 Assoc        A1                 IS-NR       Active        -----
Q.3 Assoc        B1                 OS-MT       Fault         -----
LSMS SYSTEM  ALARM STATUS = ** 0362  LSMS is at min service limit
OAP A        ALARM STATUS = No Alarms.
OAP B        ALARM STATUS = ** 0341 OAP unavailable
Q.3 Assoc A1 ALARM STATUS = No Alarms.
Q.3 Assoc B1 ALARM STATUS = ** 0358 LSMS Q.3 association unavailable
Command Completed.
```

   Refer to the *Commands Manual* to interpret the output.

2. If `0341 OAP unavailable` is displayed, follow recovery procedure 0341 - OAP Unavailable.

3. If `0358 LSMS Q.3 association unavailable` is displayed, follow recovery procedure 0358 - LSMS connection unavailable.

4. If `0354 OAP TDM Port unavailable` is displayed, follow recovery procedure 0354 - One OAP terminal unavailable.
5. If the problem is not solved, contact the My Oracle Support (MOS).

0367 - Temp Key(s) expiring soon

This alarm indicates that one or more temporary keys used to enable a controlled feature will expire within the next seven days.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 5.0.0-32.0.0
** 0100.0367    SYSTEM     Temp Key(s) expiring soon
```

Alarm Level: Major

Recovery

1. Enter the following command to retrieve information about controlled features:
   `rtrv-ctrl-feat:enable=temp`

   The output of the `rtrv-ctrl-feat:enable=temp` command displays information about the number of days left for temporarily enabled features.

   Following is an example of the output:

```
The following features have been temporarily enabled:
RLGHNCXA03W 99-01-07 00:57:31 EST EAGLE 5.0.0-32.0.0
Feature Name             Partnum    Status  Quantity     Trial Period Left
TPS 893000140 on 4000 6 days 5 hrs 3 mins
```

2. If you do nothing within the remaining trial period, the critical alarm, "0368 - Temp **Key**(s) have expired" will display when the trial period expires.
3. If you wish to acquire this feature permanently, you can purchase it from Tekelec.

   The alarm will be cleared when the purchased feature is enabled using the `enable-ctrl-feat` command.

0368 - Temp Key(s) have expired

This alarm indicates that one or more temporary keys used to enable a controlled feature have expired.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 5.0.0-32.0.0
*C 0100.0368    SYSTEM     Temp Key(s) have expired
```

Alarm Level: Critical

Recovery

1. Enter the following command to retrieve information about controlled features:
   `rtrv-ctrl-feat:expired=yes`

   The output of the `rtrv-ctrl-feat:expired=yes` command displays information about expired temporarily enabled features.

   Following is an example of the output:

```
   RLGHNCXA03W 99-01-07 00:57:31 EST EAGLE 5.0.0-32.0.0
   The following features have expired temporary keys:
   Feature Name             Part Num
   TPS 8930000140
```

2. You can enter the `chg-ctrl-feat:partnum=893xxxxxx:alarm=clear` command to clear this alarm.
3. If you wish to acquire this feature permanently, you can purchase it from Tekelec and enable it using the `enable-ctrl-feat` command.

   The alarm will clear when the purchased feature is installed with a permanent key.

0369 - REPT-T1F:FAC-T1 unavailable

There is a problem at the far end and the far end is not communicating with the EAGLE 5 ISS.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0369 ** T1/J1PORT 1201,2     REPT-T1F:FAC-T1 unavailable
```

Alarm Level: Major

Recovery

1. Contact the far-end office to determine the cause and to correct the problem.

0370 - Critical Platform Failure(s)

This message indicates the application running in the **MPS** server has detected a critical platform failure. The **Alarm** Data in the message contains a 16-character hexadecimal string in the format of h'1xxxxxxxxxxxxxx'. This alarm will be reset when **UAM** #250, **MPS** Available is issued.

Example

```
   station1234 00-09-30 16:28:08 EST EAGLE 35.0.0
*C 0259.0370 *C MPS B                Critical Platform Failure(s)
               ALARM DATA = h'1000000000000008'
```

Alarm Level: Critical

Recovery

1. To decode the **ALARMDATA** included in this alarm, write down the **Alarm** Data string.
2. To decode the alarm and for the correct procedure to solve the problem, refer to the **MPS** *Platform Software and Maintenance Manual*.
3. This alarm will be reset when the problem is resolved and you receive **UIM** #250 **MPS** Available.

0371 - Critical Application Failure(s)

This message indicates the application running in the **MPS** server has detected a critical application failure. The **Alarm** Data in the message contains a 16-character

hexadecimal string in the format of h'2xxxxxxxxxxxxxx'. This alarm will be reset when **UAM** #250, **MPS** Available is issued.

Example

```
   station1234 00-09-30 16:28:08 EST EAGLE 35.0.0
*C 0259.0371 *C MPS B               Critical Application Failure(s)
              ALARM DATA = h'2000000000000001'
```

Alarm Level: Critical

Recovery

1. To decode the **ALARMDATA** included in this alarm, write down the **Alarm** Data string.
2. To decode the alarm and for the correct procedure to solve the problem, refer to the **MPS** *Platform Software and Maintenance Manual*.
3. This alarm will be reset when the problem is resolved and you receive **UIM** #250 **MPS** Available.

0372 - Major Platform Failure(s)

This message indicates the application running in the **MPS** server has detected a major platform failure. The **Alarm** Data in the message contains a 16-character hexadecimal string in the format of h'3xxxxxxxxxxxxxx'. This alarm will be reset when **UAM** #250, **MPS** Available is issued.

Example

```
   station1234 00-09-30 16:28:08 EST EAGLE 35.0.0
** 0259.0372 ** MPS B               Major Platform Failure(s)
               ALARM DATA = h'3000000000000002'
```

Alarm Level: Major

Recovery

1. To decode the **ALARMDATA** included in this alarm, write down the **Alarm** Data string.
2. To decode the alarm and for the correct procedure to solve the problem, refer to the **MPS** *Platform Software and Maintenance Manual*.
3. This alarm will be reset when the problem is resolved and you receive **UIM** #250 **MPS** Available.

0373 - Major Application Failure(s)

This message indicates the application running in the **MPS** server has detected a major application failure. The **Alarm** Data in the message contains a 16-character hexadecimal string in the format of h'4xxxxxxxxxxxxxx'. This alarm will be reset when **UAM** #250, **MPS** Available is issued.

Example

```
   station1234 00-09-30 16:28:08 EST EAGLE 35.0.0
** 0259.0373 ** MPS B               Major Application Failure(s)
               ALARM DATA = h'4000000000000008'
```

Alarm Level: Major

Recovery

1. To decode the **ALARMDATA** included in this alarm, write down the **Alarm** Data string.
2. To decode the alarm and for the correct procedure to solve the problem, refer to the **MPS** *Platform Software and Maintenance Manual*.
3. This alarm will be reset when the problem is resolved and you receive **UIM** #250 **MPS** Available.

0376 - REPT-T1F:FAC-T1 LOS failure

No signal is being received on the **T1** Port.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0376 ** T1PORT 1201,2   REPT-T1F:FAC-T1 LOS failure
```

Alarm Level: Major

Recovery

Check the physical connections.

0377 - REPT-T1F:FAC-T1 LOF failure

The 7-bit frame alignment signal does not match the pattern the EAGLE 5 ISS is expecting.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0377 ** T1PORT 1201,2   REPT-T1F:FAC-T1 LOF failure
```

Alarm Level: Major

Recovery

Contact the far-end office to correct their framing problem.

0378 - REPT-T1F:FAC-T1 Remote Alarm

This indicates there is some type of failure on the far end.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0378 ** T1PORT 1201,2   REPT-T1F:FAC-T1 Remote Alarm
```

Alarm Level: Major

Recovery

Contact the far-end office to determine the cause and correct the problem.

0379 - REPT-T1F:FAC-T1 Alarm

The far end is transmitting an alarm indication signal (**AIS**) due to an excessive bit error rate, loss of signal, or loss of frame.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0377 ** T1PORT 1201,2   REPT-T1F:FAC-T1 Alarm
```

Alarm Level: Major

Recovery

Contact the far-end office to determine the cause of the **AIS** and to correct the problem.

0381 - REPT-E1F:FAC-E1 LOS failure

No signal is being received on the signaling link.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0381 ** E1PORT 1201,2   REPT-E1F:FAC-E1 LOS failure
```

Alarm Level: Major

Recovery

Check the physical connections.

0382 - REPT-E1F:FAC-E1 LOF failure

The 7-bit frame alignment signal does not match the pattern the EAGLE 5 ISS is expecting.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0382 ** E1PORT 1201,2   REPT-E1F:FAC-E1 LOF failure
```

Alarm Level: Major

Recovery

Contact the far-end office to correct their framing problem.

0383 - REPT-E1F:FAC-E1 AIS detected

The far end is transmitting an alarm indication signal (**AIS**) due to an excessive bit error rate, loss of signal, or loss of frame.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0383 ** E1PORT 1201,2   REPT-E1F:FAC-E1 AIS detected
```

Alarm Level: Major

Recovery

Contact the far-end office to determine the cause of the **AIS** and to correct the problem.

0384 - REPT-E1F:FAC-E1 Far End Failure

This indicates there is some type of failure on the far end.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0384 ** E1PORT 1201,2   REPT-E1F:FAC-E1 Far End Failure
```

Alarm Level: Major

Recovery

Contact the far-end office to determine the cause and to correct the problem.

0385 - REPT-E1F:FAC-E1 10E-3 BER failed

A framing bit error rate is maintained for in-service links because the error rate is high.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0385 ** E1PORT 1201,2   REPT-E1F:FAC-E1 10E-3 BER failed
```

Alarm Level: Major

Recovery

Contact the far-end office to determine the cause of the high framing bit error rate.

0387- REPT-E1F:FAC-E1 unavailable

There is a problem at the far end and the far end is not communicating with the EAGLE 5 ISS.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0387 ** E1PORT 1201,2     REPT-E1F:FAC-E1 unavailable
```

Alarm Level: Major

Recovery

Contact the far-end office to determine the cause and to correct the problem.

0389 - Card Responding Normally

This message indicates the clearing of a prior card problem.

Example

```
0014.0389 CARD 1201 Card Responding Normally
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No further action is necessary.

0390 - Illegal Address Error

This message indicates an **HMUX** (High Speed Multiplexer) illegal address error. The **ATH** (Application Trouble Handler) displays this alarm when an **HMUX**-assigned shelf **ID** address, which was received from **OAM** and written to the Assigned **Shelf** Address Register, did not match the value read from the Assigned **Shelf** Address Register. Furthermore, the error was not corrected after an automatic attempt to correct the address discrepancy.

Example

```
   station1234 00-11-30 16:28:08 EST  EAGLE 35.0.0
** 0012.0390  **  CARD 1109 HMUX Illegal Address Error
```

Alarm Level: Major

Recovery

1. Reset the **HMUX** card in question by entering the command:

   `init-mux:loc=xy09 (or loc=xy10)`

   This command resets the card, but it does not take down the **IMT** bus on which the card resides; operation of the bus is unaffected by this command.

2. If the problem persists, then you should reseat the **HMUX** card in question.

   Remember that this action will take down the **IMT** bus of the **HMUX** card.

3. If the problem remains, the card must be replaced.

   Contact the My Oracle Support (MOS).

0391 - Card not responding Error

This message indicates an **HMUX** (High Speed Multiplexer)/**HIPR** (High-Speed **IMT** Packet Router) is not responding. This alarm is displayed when an **HMUX**/**HIPR** in a provisioned shelf card does not respond.

Example

```
   station1234 00-11-30 16:28:08 EST  EAGLE 35.0.0
** 0012.0391 **  CARD 1109 HIPR Card not responding Error
```

Alarm Level: Major

Recovery

1. Reset the **HMUX**/**HIPR** card in question by entering the command:

   `init-mux:loc=xy09 (or loc=xy10)`

   This command resets the card, but it does not take down the **IMT** bus on which the card resides; operation of the bus is unaffected by this command.

2. If the problem persists, then you should reseat the **HMUX**/**HIPR** card in question.

   Remember that this action will take down the **IMT** bus of the **HMUX**/**HIPR** card.

3. If the problem remains, the card must be replaced.

   Contact the My Oracle Support (MOS).

0392 - OA&M IP Security feature is OFF

The Eagle **OA**&M **IP** Security Enhancements Feature is not turned on. One of the following occurred: and **OAM** init, or **OAM** role change, or the `chg-ctrl-feat` command turned the feature off.

With this feature not operating, you do not have the tools to securely pass data across an otherwise non-secure network. Until the Eagle **OA**&M **IP** Security Enhancements Feature is restored, the Eagle cannot provide secure connections from approved

clients, and does not protect sensitive passwords and information while in transit between the Eagle and a host.

Example

```
eagle11 17-12-07 09:23:41 EST  EAGLE 46.5.0.0.0-0.0.0
    2001.0392    SECURITY SYSTEM         OA&M IP Security feature status is OFF
;
```

Alarm Level: Major

Recovery

To restore the **OA**&M **IP** Security Enhancements feature, you turn it on permanently.

To turn the feature on, use the command.

`enable-ctrl-feat`

0395 - INP Subsystem is not available

The **INP** subsystem is not available. There are no **IS-NRVSCCP** cards associated with this **INP** subsystem. The **INP** subsystem was not taken off-line via command.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 39.2.0
*C 0056.0395  *C  INP SYSTEM    INP Subsystem  is not available
```

Alarm Level: Critical

Recovery

1. Enter the following command to verify the status and location of the subsystem cards:

   `rept-stat-mps`

2. Enter the following command to move the **VSCCP** cards to an **ACTIVE** status if loading is successful:

   `rst-card:loc=xxxx`

   where xxxx is the location of the **OOS-MT-DSBLDVSCCP** card(s) identified in 1.

3. Enter the following command to verify the status and location of the subsystem cards:

   `rept-stat-mps`

4. Verify the **VSCCP** card(s) reset in 2 are **IS-NR**.

   If not, reseat the card(s).

5. If any card(s) remain **OOS-MT**, replace the card(s).

   Refer to the *Maintenance* manual for card removal/replacement procedures.

0396 - INP Subsystem is disabled

The **INP** subsystem has been manually disabled using the `inh-map-ss` command.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 39.2.0
*C 0056.0396  *C  INP SYSTEM      INP Subsystem  is disabled
```

Alarm Level: Critical

Recovery

1. Enter this command to verify the status and location of the **INP** subsystem cards:

   `rept-stat-mps`

2. Enter this command to to reserve the subsystem number and to change the state of the **INP** subsystem status to on-line:

   `ent-ss-appl:appl=inp:ssn=xx:stat=online`

   where *xx* is primary subsystem number.

3. Enter this command to change the state of the **INP** subsystem to on-line:

   `alw-map-ss:ssn=xx`

   where *xx* is primary subsystem number.

4. Enter this command to verify the status of the **INP** subsystem:

   `rept-stat-mps`

0403 - 1114 E1/T1 clock requires TDM-GTI

This message indicates that the high speed clock is provisioned as **T1** framed, **E1** framed, or **E1** unframed. A non **TDM-GTI** card has been placed in this system where recovered clocks are provisioned. The **TDM-GTI** version of the **TDM** card is required.

Example

```
   station1234 99-03-05 16:28:08 EST  EAGLE 35.0.0
** 0052.0403 ** HS CLOCK SYSTEM  1114 E1/T1 clock requires TDM-GTI
```

Alarm Level: Major

Recovery

Perform one of the following:

- Replace the card in location 1114 with a **TDM-GTI** card. Refer to the *Maintenance* manual for card removal/replacement procedures for the replacement procedure.

  OR

- Use the `chg-clkoptschg-stpopts` command to change the **hsclksrc** parameter to **RS422**. Refer to the *Commands Manual* for proper usage of the command.

0404 - 1116 E1/T1 clock requires TDM-GTI

This message indicates that the high speed clock is provisioned as **T1** framed, **E1** framed, or **E1** unframed. A non **TDM-GTI** card has been placed in this system where recovered clocks are provisioned. The **TDM-GTI** version of the **TDM** card is required.

Example

```
   station1234 99-03-05 16:28:08 EST  EAGLE 35.0.0
** 0052.0404 ** HS CLOCK SYSTEM  1116 E1/T1 clock requires TDM-GTI
```

Alarm Level: Major

Recovery

Perform one of the following:

- Replace the card in location 1116 with a **TDM-GTI** card. Refer to the *Maintenance* manual for card removal/replacement procedures for the replacement procedure.

  OR

- Use the `chg-clkoptschg-stpopts` command to change the **HSCLKSRC** parameter to **RS422**. Refer to the *Commands Manual* for proper usage of the command.

0405 - 1114, 1116 E1/T1 clock requires TDM-GTI

This message indicates that the high speed clock is provisioned as **T1** framed, **E1** framed, or **E1** unframed. A non **TDM-GTI** card has been placed in this system in slots 1114 and 1116 where recovered clocks are provisioned. The **TDM-GTI** version of the **TDM** card is required.

Example

```
   station1234 99-03-05 16:28:08 EST  EAGLE 35.0.0
** 0052.0405 ** HS CLOCK SYSTEM  1114, 1116 E1/T1 clock requires TDM-GTI
```

Alarm Level: Major

Recovery

Perform one of the following:

- Replace the cards in locations 1114 and 1116 with a **TDM-GTI** card. Refer to the *Maintenance* manual for card removal/replacement procedures for the replacement procedure.

  OR

- Use the `chg-clkoptschg-stpopts` command to change the **HSCLKSRC** parameter to **RS422**. Refer to the *Commands Manual* for proper usage of the command.

0406 - 1114 Clock selection mismatch

This message indicates that the database has been restored and the provisioned clocks do not match what is running on the **TDM**.

Example

```
   station1234 99-03-05 16:28:08 EST  EAGLE 31.6.0
** 0052.0406 ** HS CLOCK SYSTEM  1114 Clock selection mismatch
```

Alarm Level: Major

Recovery

1. Enter the following command to determine the current clock settings on the **TDM**:

```
rept-stat-clk
```

Following is an example of the output:

```
    rept-stat-clk
    Command entered at terminal #3.
;
    tekelecstp 99-03-05 13:34:15 EST EAGLE 31.6.0
    CARD LOC= 1114 (Active   )       CARD LOC= 1116 (Isolated )
    PRIMARY BITS      = Active        PRIMARY BITS      = -----
    SECONDARY BITS    = Idle          SECONDARY BITS    = -----
    HS PRIMARY CLK    = Active        HS PRIMARY CLK    = -----
    HS SECONDARY CLK  = Idle          HS SECONDARY CLK  = -----
    HS CLK TYPE       = E1 UNFRAMED   HS CLK TYPE       = -----
    HS CLK LINELEN    = SHORTHAUL     HS CLK LINELEN    = -----
                                      PST           SST       AST
    SYSTEM CLOCK                      IS-NR         ACTIVE    ALMINH
    ALARM STATUS     = No Alarms.
    # Cards using CLK A = 009         # Cards with bad CLK A = 000
    # Cards using CLK B = 000         # Cards with bad CLK B = 009
    # Cards using CLK I = 000
                                      PST           SST       AST
    HS SYSTEM CLOCK                   IS-NR         ACTIVE    ALMINH
    ALARM STATUS     = No Alarms.
    # Cards using HSCLK A = 001       # Cards with bad HSCLK A = 000
    # Cards using HSCLK B = 000       # Cards with bad HSCLK B = 002
    # Cards using HSCLK I = 000
    Command Completed.
```

2. Use the `chg-clkoptschg-stpopts` command to update the database to match the output displayed when you issued the previous command.

   Refer to the *Commands Manual* for proper usage of the command.

0407 - 1116 Clock selection mismatch

This message indicates that the database has been restored and the provisioned clocks do not match what is running on the **TDM**.

Example

```
   station1234 99-03-05 16:28:08 EST  EAGLE 31.6.0
** 0052.0407 ** HS CLOCK SYSTEM  1116 Clock selection mismatch
```

Alarm Level: Major

Recovery

1. Enter the following command to determine the current clock settings on the **TDM**:

   ```
   rept-stat-clk
   ```

   Following is an example of the output:

```
    rept-stat-clk
    Command entered at terminal #3.
;
    tekelecstp 99-03-05 13:34:15 EST EAGLE 31.6.0
    CARD LOC= 1114 (Active   )       CARD LOC= 1116 (Isolated )
    PRIMARY BITS      = Active        PRIMARY BITS      = -----
```

```
SECONDARY BITS    = Idle          SECONDARY BITS    = -----
HS PRIMARY CLK    = Active        HS PRIMARY CLK    = -----
HS SECONDARY CLK  = Idle          HS SECONDARY CLK  = -----
HS CLK TYPE       = E1 UNFRAMED   HS CLK TYPE       = -----
HS CLK LINELEN    = SHORTHAUL     HS CLK LINELEN    = -----
                                  PST           SST       AST
SYSTEM CLOCK                      IS-NR         ACTIVE    ALMINH
ALARM STATUS     = No Alarms.
# Cards using CLK A = 009        # Cards with bad CLK A = 000
# Cards using CLK B = 000        # Cards with bad CLK B = 009
# Cards using CLK I = 000
                                  PST           SST       AST
HS SYSTEM CLOCK                   IS-NR         ACTIVE    ALMINH
ALARM STATUS     = No Alarms.
# Cards using HSCLK A = 001      # Cards with bad HSCLK A = 000
# Cards using HSCLK B = 000      # Cards with bad HSCLK B = 002
# Cards using HSCLK I = 000
Command Completed.
```

2. Use the `chg-clkoptschg-stpopts` command to update the database to match the output displayed when you issued the previous command.

   Refer to the *Commands Manual* for proper usage of the command.

0408 - 1114, 1116 Clock selection mismatch

This message indicates that the database has been restored and the provisioned clocks do not match what is running on the **TDM**.

Example

```
   station1234 99-03-05 16:28:08 EST  EAGLE 31.6.0
** 0052.0408 ** HS CLOCK SYSTEM  1114, 1116 Clock selection mismatch
```

Alarm Level: Major

Recovery

1. Enter the following command to determine the current clock settings on the **TDM**:

   `rept-stat-clk`

   Following is an example of the output:

```
    rept-stat-clk
    Command entered at terminal #3.
;
    tekelecstp 99-03-05 13:34:15 EST EAGLE 31.6.0
    CARD LOC= 1114 (Active   )       CARD LOC= 1116 (Isolated )
    PRIMARY BITS      = Active        PRIMARY BITS      = -----
    SECONDARY BITS    = Idle          SECONDARY BITS    = -----
    HS PRIMARY CLK    = Active        HS PRIMARY CLK    = -----
    HS SECONDARY CLK  = Idle          HS SECONDARY CLK  = -----
    HS CLK TYPE       = E1 UNFRAMED   HS CLK TYPE       = -----
    HS CLK LINELEN    = SHORTHAUL     HS CLK LINELEN    = -----
                                      PST           SST       AST
    SYSTEM CLOCK                      IS-NR         ACTIVE    ALMINH
    ALARM STATUS     = No Alarms.
    # Cards using CLK A = 009        # Cards with bad CLK A = 000
    # Cards using CLK B = 000        # Cards with bad CLK B = 009
    # Cards using CLK I = 000
```

```
                                   PST           SST       AST
HS SYSTEM CLOCK                    IS-NR         ACTIVE    ALMINH
ALARM STATUS     = No Alarms.
# Cards using HSCLK A = 001        # Cards with bad HSCLK A = 000
# Cards using HSCLK B = 000        # Cards with bad HSCLK B = 002
# Cards using HSCLK I = 000
Command Completed.
```

2. Use the `chg-clkoptschg-stpopts` command to update the database to match the output displayed when you issued the previous command.

   Refer to the *Commands Manual* for proper usage of the command.

0422 - Insufficient extended memory

At least one **SCCP** card does not have enough memory for the **LNP** application. Loading of the **SCCP** card is automatically inhibited.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0422 ** CARD  1113 SCCP  Insufficient extended memory
               HW VERIFICATION CODE: xxx
```

Alarm Level: Major

Recovery

1. If this message contains the optional line '**HWVERIFICATIONCODE**: xxx':

   a. Decode the xxx value and correct the indicated problem.

      See Hardware Verification Codes in UAMsthe section on hardware verification codes in the *Unsolicited Alarms and Information Messages* manual.

   b. After correcting the problem, the card will be in *out-of-service maintenance disabled state* (OOS-MT-DSBLD).

      Restore the card back to *in-service normal state* (**IS-NR**) with the `alw-card` command. If this message does not contain the optional line '**HWVERIFICATIONCODE**: xxx', continue with the next step.

2. Verify the **SCCP** hardware.

   Verify the **SCCP** cards have at least 256M of memory.

3. If necessary, replace the **SCCP** card with the correct combination of motherboard and daughterboard.

   Refer to the *Maintenance* manual for card removal/replacement procedures.

0424 - LNP Subsystem is not available

The **LNP** subsystem is not available. There are no **IS-NRSCCP** cards associated with this **LNP** subsystem. The **LNP** subsystem was not taken off-line via command.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
*C 0056.0424  *C  LNP SYSTEM      LNP Subsystem  is not available
```

Alarm Level: Critical

Recovery

1. Enter the following command to verify the status and location of the subsystem cards:

   ```
   rept-stat-lnp
   ```

2. Enter the following command to move the **SCCP** cards to an **ACTIVE** status if loading is successful:

   ```
   rst-card:loc=xxxx
   ```

   where xxxx is the location of the OOS-MT-DSBLD SCCP card(s) identified in 1.

3. Enter the following command to verify the status and location of the subsystem cards:

   ```
   rept-stat-lnp
   ```

4. Verify the **SCCP** card(s) reset in 2 are **IS-NR**.

   If not, reseat the card(s).

5. If any card(s) remain **OOS-MT**, replace the card(s).

   Refer to the *Maintenance* manual for card removal/replacement procedures.

0427 - LNP Subsystem degraded, card(s) abnormal

One or more LNP cards goes out of service in (N or N+1) configuration or not IS-NR.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 46.0.0
**  0056.0427   **    LNP SYSTEM   LNP Subsystem degraded, card(s) abnormal
```

Alarm Level: Major.

Recovery

1. Restore the one or more LNP out of service cards in (N or N+1) configuration or not IS-NR.

0428 - INP Subsystem degraded, card(s) abnormal

One or more INP cards goes out of service in (N or N+1) configuration or not IS-NR.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 46.0.0
0056.0428      INP SYSTEM   INP Subsystem degraded, card(s) abnormal
```

Alarm Level: Major.

Recovery

1. Restore the one or more INP out of service cards in (N or N+1) configuration or not IS-NR.

0429 - ATINPQ Subsystem degraded, card(s) abnormal

One or more ATINPQ cards goes out of service in (N or N+1) configuration or not IS-NR.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 46.0.0
0056.0429      ATINPQ SYSTEM   ATINPQ Subsystem degraded, card(s) abnormal
```

Alarm Level: Major.

Recovery

1. Restore the one or more ATINPQ out of service cards in (N or N+1) configuration or not IS-NR.

0435 - LNP Subsystem is disabled

The **LNP** subsystem has been manually disabled using the `inh-map-ss` command.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
*C 0056.0435  *C  LNP SYSTEM      LNP Subsystem  is disabled
```

Alarm Level: Critical

Recovery

1. Enter the following command to verify the status and location of the **LNP** subsystem cards:

   `rept-stat-lnp`

2. Enter the following command to change the state of the **LNP** subsystem status to on-line:

   `ent-ss-appl:appl=lnp:ssn=xx:stat=online`

   where *xx* is primary subsystem number.

3. Enter the following command to change the state of the **LNP** subsystem to on-line:

   `alw-map-ss:ssn=xx`

   where *xx* is primary subsystem number.

4. Enter the following command to verify the status of the **LNP** subsystem:

   `rept-stat-lnp`

0436 - LNP ACG node overload

This message indicates that the number of **LNP** subsystem queries has exceeded the supported level.

Example

```
   station1234 94-03-30 16:28:08 EST EAGLE 35.0.0
** 0056.0436 ** LNP SYSTEM            LNP ACG node overload
```

Alarm Level: Major

Recovery

1. Enter the following command to verify the status, quantity, and capacity of the **SCCP** cards:

   ```
   rept-stat-lnp
   ```

2. Refer to the *ELAP Administration and LNP Feature Activation* to verify that provisioning rules are being followed.

3. If the problem persists, contact the My Oracle Support (MOS).

0437 - System SCCP TPS Capacity Exceeded

This message indicates the Eagle has exceeded its **TPS** (Transactions Per Second) message transport rate. The alarm will not stop until the **TPS** rate is below its rated **TPS** for the system for a period of 30 seconds. The alarm is cleared by the **UIM** #329 "**SCCP** capacity normal, card(s) abnormal".

Example

```
   RLGHNCXA21W 00-11-07 11:02:30 EST  EAGLE 35.0.0
*C 0100.0437 *C SYSTEM           System SCCP TPS Capacity Exceeded
```

Alarm Level: Critical

Recovery

1. Use `rept-stat-sccp` to determine the status of the **SCCP** subsystem.

   This command also identifies which **SCCP** cards are **OOS-MT**. For example, enter:

   ```
   rept-stat-sccp
   ```

   Example of the output:

   ```
   eaglestp 00-10-24 20:38:58 EST EAGLE 35.0.0
       SCCP SUBSYSTEM REPORT IS-NR          Ovflw-1       -----
       SCCP Cards Configured= 4 Cards       IS-NR= 4
       System TCP Alarm Threshold =  80% Total capacity
       System Peak SCCP Load =  3000 TPS
       System Total SCCP Capacity =  5000 TPS
       CARD   VERSION     PST        SST         AST      MSU USAGE   CPU USAGE
       ------------------------------------------------------------------------
       1212   021-001-000 IS-NR      ACTIVE      ALMINH       47%         32%
       ------------------------------------------------------------------------
       SCCP Service Average MSU Capacity = 47%     Average CPU Capacity = 32%

       Command Completed.
   ```

2. The user should evaluate this new traffic level and determine whether additional **SCCP** cards are required to maintain the **TPS** level the system is processing.

0438 - Degraded Mode, Invalid OAM HW config

This **UAM** alarm occurs when the system does not have the required baseline hardware. Baseline hardware required includes **TDM**-10 or greater. The alarm recurs every minute. Also, the `act_upgrade` command is rejected if alarm is present.

Example

```
   RLGHNCXA21W 02-12-07 12:01:43 EST  EAGLE 35.0.0
*C 0014.0438 *C SECULOG 1114   Degraded Mode, Invalid OAM HW config
```

Alarm Level: Critical

Recovery

Ensure that the Eagle has the required hardware baseline, that is, the **TDM**-10 or greater is installed.

0441 - Incorrect MBD - CPU

A card (**TSM**/**DSM**) does not have the required hardware configuration for the application, or a **TSM** is attempting to load in a slot provisioned for **SCCP GPLs**.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0441 ** CARD  1108  VSCCP    Incorrect MBD - CPU
               HW VERIFICATION CODE: xxx
```

Alarm Level: Major

Recovery

1. If this message contains the optional line '**HWVERIFICATIONCODE**: xxx':

   - Decode the xxx value and correct the indicated problem.

     See Hardware Verification Codes in UAMsthe section on hardware verification codes in the *Unsolicited Alarms and Information Messages* manual.

   - After correcting the problem, the card will be in *out-of-service maintenance disabled state* (OOS-MT-DSBLD).

     Restore the card back to *in-service normal state* (**IS-NR**) with the `alw-card` command.

   If this message does not contain the optional line '**HWVERIFICATIONCODE**: xxx', continue with the next step.

2. Verify the hardware.

   Verify the card(s) (**TSM**/**DSM**) have the correct motherboard/daughterboard combination.

3. If necessary, replace the card(s) (**TSM**/**DSM**) card with the correct combination of motherboard and daughterboard.

   Refer to the *Maintenance* manual for card removal/replacement procedures.

0442 - RTDB database capacity is 90% full

EPAP database capacity alarms are triggered by allocated capacity, whereas EAGLE alarms are triggered by provisioned capacity.

Allocated Capacity refers to the amount of memory that is currently dedicated to storing each RTDB entity-type. For instance when the very first DN is added to the EPAP RTDB, the EPAP allocates a block of memory large enough to store 6 million DNs. Although most of this memory is not in-use (provisioned) it has been

demarcated for future use and cannot be utilized to store other non-DN entities (such as IMSIs or DN-Blocks, etc).

Provisioned Capacity refers to the provisioned RTDB entries versus the max RTDB entries allowed on an EAGLE SM card by the EPAP/ELAP related quantity features activated on EAGLE. EAGLE RTDB capacity alarms are triggered when the provisioned capacity passes the 80% and 90% levels. Furthermore, if the EAGLE RTDB provisioned capacity is below 80% and the allocation of the next memory block by EPAP would cause overallocation of the DSM Memory on an EPAP SM card, the EAGLE will report the 80% capacity alarm for that card.

Example

```
RLGHNCXA21W 14-05-07 11:02:30 EST  EAGLE 46.0.0
0100.0442  *C CARD 1108  VSCCP   RTDB database capacity is 90% full
```

Alarm Level: Critical

Recovery

1. For **ELAP**, perform the following:

   a. Use the `rept-stat-sccp` command to identify all SCCP cards.

```
tekelecstp 000623 13:34:22 EST  EAGLE5 36.0.0
SCCP SUBSYSTEM REPORT IS-NR          Active
     SCCP ALARM STATUS = No Alarms
INPQ SUBSYSTEM REPORT IS-ANR         Restricted  -----
     ASSUMING MATE'S LOAD
     INPQ: SSN STATUS = Allowed     MATE SSN STATUS  = Prohibited
     INPQ ALARM STATUS = No Alarms
GFLEX SERVICE REPORT IS-ANR         Active
     GFLEX ALARM STATUS = No Alarms
MNP SERVICE REPORT   IS-ANR         Active
     MNP ALARM STATUS   = No Alarms

SCCP Cards Configured=4  Cards IS-NR=2
System TPS Alarm Threshold = 100% Total Capacity
System Peak SCCP Load = 3000 TPS
System Total SCCP Capacity = 5000 TPS

   CARD   VERSION      PST          SST         AST       MSU USAGE  CPU
USAGE
   --------------------------
   1212   101-001-000  IS-NR        Active      ALMINH       45%
30%
   1301 P 101-001-000  IS-NR        Active      ------       35%
40%
   1305   -----------  OOS-MT       Isolated    ------        0%
0%
   2112   -----------  OOS-MT-DSBLD Manual      ------        0%
0%
   --------------------------
   SCCP Service Average MSU Capacity = 40%       Average CPU Capacity =
35%

   AVERAGE CPU USAGE PER SERVICE:
     GTT   = 15%  GFLEX =  5%  MNP = 10%
     INPMR =  2%  INPQ  =  3%

   TOTAL SERVICE STATISTICS:
                                    FAIL     REROUTE\      FORWARD
```

```
      SERVICE    SUCCESS    ERRORS   RATIO     WARNINGS        TO GTT
TOTAL
      GTT:          1995         5      0%            -             -
2000
      GFLEX:         500         1      0%            4            10
515
      MNP:           800         0      0%            2             3
805
      INPMR:          50         5      0%            0
15       70
      INPQ:          499         1      0%            -             -
500

    Command Completed.
;
```

b. Use the `rept-stat-card:loc=xxxx:mode=full` command to determine daughterboard memory on each SCCP card.

where*xxxx* is the SCCP card location. Verify the DSM's database memory size.

```
rlghncxa03w 05-07-27 16:43:42 EST  EAGLE 30.0.0
CARD  VERSION     TYPE    APPL     PST           SST       AST
1113  023-102-000 GPSM    EOAM     IS-NR         Active    -----
  ALARM STATUS      = No Alarms.
  BPDCM GPL version = 023-001-000
  IMT BUS A         = Conn
  IMT BUS B         = Conn
  CLOCK A           = Active
  CLOCK B           = Idle
  CLOCK I           = Idle
  MBD BIP STATUS    = valid
  DB STATUS         = valid
  DBD MEMORY SIZE   = 256M
  TROUBLE TEXT VER. = Rev 1.6
Command Completed.
;
```

c. Use the `rtrv-ctrl-feat` command to verify the LNP Database feature quantity purchased for this system.

d. Refer to *ELAP Administration and LNP Feature Activation Guide* to view the DSM requirements for the LNP telephone number quantity verified under `rtrv-ctrl-feat`. Contact your Oracle Communications Sales Representative or Account Representative if larger DSMs are needed.

Proceed to next step if DSM capacity is not the issue.

e. From the ELAP GUI, execute View RTDB Status and verify the ELAP is reporting the same alarm as the EAGLE.

f. Verify the TN Counts listed on the GUI.

g. Go to View LNP Qty Features on the ELAP GUI and verify the LNP ported TNs. This value should reflect the same information as seen under rtrv-ctrl-feat in the EAGLE.

h. If the TN Count under View RTDB Status is 90% of the LNP ported TNs shown under View LNP Qty Features, this is the cause of the UAM 0442 – RTDB database capacity is 90% full.

i. If the TN Count is not 90% of the LNP ported TNs, check to see if the NPANXX or LRN Counts are 90% of the LNP ported NPANXXs or LRNs values.

j. Reduce the number of either TNs, LRNs, or NPANXXs by utilizing features/ tools on the LSMS. Refer to *Database Administrator's Guide* for LSMS.

k. If reducing the number of TNs, LRNs, or NPANXXs is not a viable option, increase the LNP telephone number quantity. Refer to the section "Activating the LNP Feature on the EAGLE" in *Administration and LNP Feature Activation Guide* for ELAP. Contact My Oracle Support (MOS) if you do not currently have the next higher TN quantity key.

2. For **EPAP**, perform the following:

a. Use the `rtrv-stpopts` command to determine the status of EPAP data quantity related options. The following example shows the status of the EPAP240M Feature:

```
Command Accepted - Processing
    tekelecstp 16-03-16 12:05:53 MST  EAGLE5 46.3.0.0.0-68.14.0
    STP OPTIONS
    ------------------------------
    EPAP240M                  off
;
```

b. Use the `rtrv-ctrl-feat:status=on` command to determine the status of EPAP data related features that are currently activated. The following example shows the status of the EPAP Data Split feature:

```
rlghncxa03w 12-03-13 16:40:40 EST EAGLE 46.4.0
The following features have been permanently enabled:

Feature Name              Partnum    Status  Quantity

EPAP Data Split           893039801   on     ----
Dual ExAP Config          893040501   on     ----
;
```

c. Run the `rtrv-bip:loc=<>` command and use the part number of the card to determine the hardware type:

```
Command Accepted - Processing

    eagle1 16-10-03 18:31:34 EST   EAGLE 46.3.0.0.1-68.27.0
    rtrv-bip:loc=1317
    Command entered at terminal #13.
;

    eagle1 16-10-03 18:31:34 EST   EAGLE 46.3.0.0.1-68.27.0

------------------------------------------------------------------------
    Location:  1317 - MBD

    Part Number:    870-2990-01
    Revision:       F                          Week/Year:        14/2012
    Serial Number:  10212145089

    Software Match ID:   EG - 001              Max Power Rating :  1537mA

------------------------------------------------------------------------
```

```
    END OF REPORT
;
```

See the "Hardware Baseline EAGLE Release 45.0 - 46.x" table in *Hardware Reference* for card part numbers.

d. Run the `rept-stat-card:mode=full:loc=<>` command and use the GPL name to determine the GPL type (32-bit or 64-bit) the card is running.

See Chapter 3, "Introduction" in *Database Administration - System Management* to determine the GPL types.

```
Command Accepted - Processing

    eagle1 16-10-03 18:18:12 EST   EAGLE 46.3.0.0.1-68.27.0
    rept-stat-card:mode=full:loc=1317
    Command entered at terminal #13.
;

    eagle1 16-10-03 18:18:12 EST   EAGLE 46.3.0.0.1-68.27.0
    CARD   VERSION      TYPE      GPL        PST            SST        AST
    1317   138-022-000  DSM       SCCP64     IS-NR          Active
-----
      ALARM STATUS       = No Alarms.
      BLDC64  GPL version = 138-023-000
      IMT BUS A          = Conn
      IMT BUS B          = Disc
      CLOCK A            = Active
      CLOCK B            = Fault
      CLOCK I            = Idle
      MBD BIP STATUS     = Valid
      MOTHER BOARD ID    = SMXG B
      DBD STATUS         = Valid
      DBD TYPE           = None
      DBD MEMORY SIZE    = 8192M
      HW VERIFICATION CODE = ----
      CURRENT TEMPERATURE   =  28C ( 83F)
      PEAK TEMPERATURE:     =  32C ( 90F)     [16-09-21 02:02]
      SCCP % OCCUP       = 0%
      SCCP SM DATA TYPE  = DN
      APPLICATION SERVICING
                                        MFC          MFC
          SNM     REQ STATUS =   24 hr: ---, 5 min: ---
          INM     REQ STATUS =   24 hr: ---, 5 min: ---
          MTP3    REQ STATUS =   24 hr: ---, 5 min: ---
          SFLOG   REQ STATUS =   24 hr: ---, 5 min: ---
      IPLNK STATUS
          IPLNK  IPADDR            STATUS     PST
          A      192.168.120.13    UP         IS-NR
          B      192.168.121.13    UP         IS-NR
      DSM IP CONNECTION
          PORT   PST            SST
          A      IS-NR          Active
          B      IS-NR          Active

    Command Completed.
;
```

e. Refer to the "EAGLE Feature and EPAP DB Capacity Combinations" table in *Database Administration - GTT User's Guide* to determine the maximum RTDB

capacity based on the installed hardware and EPAP Quantity features activated in the system.

f. Do one of the following:

- Reduce the size of the database to match the installed hardware capacities.
- Obtain and install a larger capacity **SM** card.
- Obtain and activate the appropriate EPAP Quantity features.
- Verify that the SM card is running the appropriate GPL type (32-bit or 64-bit).

g. If the SM card requires 64-bit GPLs and the card is currently running 32-bit GPLs, see "Conversion of SM8G-B Cards" or "Conversion of SLIC Cards" in *Database Administration - System Management User's Guide* to convert 32-bit GPLs to 64-bit.

0443 - RTDB database corrupted

A **RTDB** database is corrupt. The calculated checksum did not match the checksum value stored for one or more records.

Example

```
  RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
* 0100.0443 * CARD  1108 VSCCP     RTDB database corrupted
```

Alarm Level: Minor

Recovery

1. Enter the following command to verify the status of the **RTDB** database:

   ```
   rept-stat-db:display=all:db=mps
   ```

   Caution: If more than one card is corrupt, perform 2 through 5 to completion for one card at a time.

2. Enter the following command to verify the status of the corrupt card:

   ```
   rept-stat-card:loc=xxxx
   ```

   Where *xxxx* is the location of the card identified in the output.

3. Examine the output from 2 Verify that the **SST** (secondary state of the card) is not `Restrict`.

   If the **SST** is `Restrict`, do not continue with this procedure. Contact the My Oracle Support (MOS).

4. Enter the following command to correct the **VSCCP** card.

   This command reinitializes the card and forces the card to load the current level of the database. Wait for the reload to complete before continuing.

   ```
   init-card:loc=xxxx
   ```

   Where *xxxx* is the location of the card identified in output.

5. Enter the following command to verify that the database is the same level as the other cards in the system:

   ```
   rept-stat-db:display=all:db=mps
   ```

6. If the problem persists, contact the My Oracle Support (MOS).

0446 - RTDB database capacity is 80% full

EPAP database capacity alarms are triggered by allocated capacity, whereas EAGLE alarms are triggered by provisioned capacity.

Allocated Capacity refers to the amount of memory that is currently dedicated to storing each RTDB entity-type. For instance when the very first DN is added to the EPAP RTDB, the EPAP allocates a block of memory large enough to store 6 million DNs. Although most of this memory is not in-use (provisioned) it has been demarcated for future use and cannot be utilized to store other non-DN entities (such as IMSIs or DN-Blocks, etc.).

Provisioned Capacity refers to the provisioned RTDB entries versus the max RTDB entries allowed on an EAGLE SM card by the EPAP/ELAP related quantity features activated on EAGLE. EAGLE RTDB capacity alarms are triggered when the provisioned capacity passes the 80% and 90% levels. Furthermore, if the EAGLE RTDB provisioned capacity is below 80% and the allocation of the next memory block by EPAP would cause overallocation of the DSM Memory on an EPAP SM card, the EAGLE will report the 80% capacity alarm for that card.

Example

```
    RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0.0
*   0100.0446  * CARD 1108 VSCCP   RTDB database capacity is 80% full
```

Alarm Level: Minor

Recovery

1. For **ELAP**, perform the following from the EAGLE STP:

   a. Use the `rept-stat-sccp` command to identify all SCCP cards.

```
tekelecstp 000623 13:34:22 EST  EAGLE5 36.0.0
SCCP SUBSYSTEM REPORT IS-NR          Active
     SCCP ALARM STATUS = No Alarms
INPQ SUBSYSTEM REPORT IS-ANR         Restricted  -----
     ASSUMING MATE'S LOAD
     INPQ: SSN STATUS = Allowed     MATE SSN STATUS  = Prohibited
     INPQ ALARM STATUS = No Alarms
GFLEX SERVICE REPORT IS-ANR         Active
     GFLEX ALARM STATUS = No Alarms
MNP SERVICE REPORT   IS-ANR         Active
     MNP ALARM STATUS   = No Alarms

SCCP Cards Configured=4  Cards IS-NR=2
System TPS Alarm Threshold = 100% Total Capacity
System Peak SCCP Load = 3000 TPS
System Total SCCP Capacity = 5000 TPS

    CARD   VERSION      PST          SST         AST       MSU USAGE  CPU
USAGE
    --------------------------
    1212   101-001-000  IS-NR        Active      ALMINH       45%
```

```
30%
    1301 P 101-001-000  IS-NR        Active      ------       35%
40%
    1305   -----------  OOS-MT       Isolated    ------        0%
0%
    2112   -----------  OOS-MT-DSBLD Manual      ------        0%
0%
    --------------------------
    SCCP Service Average MSU Capacity = 40%       Average CPU Capacity =
35%

    AVERAGE CPU USAGE PER SERVICE:
      GTT   = 15%  GFLEX =  5%  MNP = 10%
      INPMR =  2%  INPQ  =  3%

    TOTAL SERVICE STATISTICS:
                                        FAIL     REROUTE\      FORWARD
      SERVICE    SUCCESS    ERRORS    RATIO     WARNINGS        TO GTT
TOTAL
      GTT:          1995         5      0%            -             -
2000
      GFLEX:         500         1      0%            4            10
515
      MNP:           800         0      0%            2             3
805
      INPMR:          50         5      0%            0
15       70
      INPQ:          499         1      0%            -             -
500

    Command Completed.
;
```

b. Use the `rept-stat-card:loc=xxxx:mode=full` command to determine daughterboard memory for each SCCP card.

where *xxxx* is the SCCP card location.

```
rlghncxa03w 05-07-27 16:43:42 EST  EAGLE 30.0.0
CARD  VERSION     TYPE    APPL     PST          SST       AST
1113  023-102-000 GPSM    EOAM     IS-NR        Active    -----
  ALARM STATUS      = No Alarms.
  BPDCM GPL version = 023-001-000
  IMT BUS A         = Conn
  IMT BUS B         = Conn
  CLOCK A           = Active
  CLOCK B           = Idle
  CLOCK I           = Idle
  MBD BIP STATUS    = valid
  DB STATUS         = valid
  DBD MEMORY SIZE   = 256M
  TROUBLE TEXT VER. = Rev 1.6
Command Completed.
;
```

c. Use the `rtrv-ctrl-feat` command to verify the LNP Database feature quantity purchased for this system.

d. Refer to *ELAP Administration and LNP Feature Activation* to view the DSM requirements for the LNP telephone number quantity verified under rtrv-ctrl-

feat. Contact your Sales Representative or Account Representative if larger DSMs are needed.

Proceed to next step if DSM capacity is not the issue.

e. From the ELAP GUI, execute `View RTDB Status` and verify the ELAP is reporting the same alarm as the EAGLE.

f. Verify the TN Counts listed on the GUI.

g. Go to `View LNP Qty Features` on the ELAP GUI and verify the LNP ported TNs. This value should reflect the same information as seen under `rtrv-ctrl-feat` in the EAGLE.

h. If the TN Count under `View RTDB Status` is 80% of the LNP ported TNs shown under `View LNP Qty Features`, this is the cause of the UAM 0446 – RTDB database capacity is 80% full.

i. If the TN Count is not 80% of the LNP ported TNs, check to see if the NPANXX or LRN Counts are 80% of the LNP ported NPANXXs or LRNs values.

j. Reduce the number of either TNs, LRNs, or NPANXXs by utilizing features/tools on the LSMS. Refer to *Database Administration Guide* for LSMS.

k. If reducing the number of TNs, LRNs, or NPANXXs is not a viable option, increase the LNP telephone number quantity. Refer to the section *Activating the LNP Feature on the EAGLE* in *ELAP Administration and LNP Feature Activation*.

Contact My Oracle Support (MOS), if you do not currently have the next higher TN quantity key.

2. For **EPAP**, perform the following:

a. Use the `rtrv-stpopts` command to determine the status of EPAP data quantity related options. The following example shows the status of the EPAP240M Feature:

```
Command Accepted - Processing
    tekelecstp 16-03-16 12:05:53 MST  EAGLE5 46.3.0.0.0-68.14.0
    STP OPTIONS
    ------------------------------
    EPAP240M                    off
;
```

b. Use the `rtrv-ctrl-feat:status=on` command to determine the status of EPAP data related features that are currently activated. The following example shows the status of the EPAP Data Split feature:

```
rlghncxa03w 12-03-13 16:40:40 EST EAGLE 46.4.0
The following features have been permanently enabled:

Feature Name               Partnum    Status  Quantity

EPAP Data Split            893039801   on     ----
Dual ExAP Config           893040501   on     ----
;
```

c. Run the `rtrv-bip:loc=<>` command and use the part number of the card to determine the hardware type:

```
Command Accepted - Processing

    eagle1 16-10-03 18:31:34 EST   EAGLE 46.3.0.0.1-68.27.0
    rtrv-bip:loc=1317
    Command entered at terminal #13.
;

    eagle1 16-10-03 18:31:34 EST   EAGLE 46.3.0.0.1-68.27.0

------------------------------------------------------------------------------
    Location:  1317 - MBD

    Part Number:    870-2990-01
    Revision:       F                          Week/Year:        14/2012
    Serial Number:  10212145089

    Software Match ID:   EG - 001              Max Power Rating :  1537mA

------------------------------------------------------------------------------
    END OF REPORT
;
```

See the "Hardware Baseline EAGLE Release 45.0 - 46.x" table in *Hardware Reference* for card part numbers.

d. Run the `rept-stat-card:mode=full:loc=<>` command and use the GPL name to determine the GPL type (32-bit or 64-bit) the card is running.

See Chapter 3, "Introduction" in *Database Administration - System Management* to determine the GPL types.

```
Command Accepted - Processing

    eagle1 16-10-03 18:18:12 EST   EAGLE 46.3.0.0.1-68.27.0
    rept-stat-card:mode=full:loc=1317
    Command entered at terminal #13.
;

    eagle1 16-10-03 18:18:12 EST   EAGLE 46.3.0.0.1-68.27.0
    CARD   VERSION      TYPE      GPL        PST            SST        AST
    1317   138-022-000  DSM       SCCP64     IS-NR          Active
-----
      ALARM STATUS       = No Alarms.
      BLDC64  GPL version = 138-023-000
      IMT BUS A          = Conn
      IMT BUS B          = Disc
      CLOCK A            = Active
      CLOCK B            = Fault
      CLOCK I            = Idle
      MBD BIP STATUS     = Valid
      MOTHER BOARD ID    = SMXG B
      DBD STATUS         = Valid
      DBD TYPE           = None
      DBD MEMORY SIZE    = 8192M
      HW VERIFICATION CODE = ----
      CURRENT TEMPERATURE   =  28C ( 83F)
      PEAK TEMPERATURE:     =  32C ( 90F)     [16-09-21 02:02]
      SCCP % OCCUP       = 0%
      SCCP SM DATA TYPE  = DN
      APPLICATION SERVICING
                                       MFC         MFC
```

```
            SNM     REQ STATUS =   24 hr: ---, 5 min: ---
            INM     REQ STATUS =   24 hr: ---, 5 min: ---
            MTP3    REQ STATUS =   24 hr: ---, 5 min: ---
            SFLOG   REQ STATUS =   24 hr: ---, 5 min: ---
        IPLNK STATUS
            IPLNK  IPADDR             STATUS     PST
            A      192.168.120.13     UP         IS-NR
            B      192.168.121.13     UP         IS-NR
        DSM IP CONNECTION
            PORT   PST             SST
            A      IS-NR           Active
            B      IS-NR           Active

    Command Completed.
;
```

e. Refer to the "EAGLE Feature and EPAP DB Capacity Combinations" table in *Database Administration - GTT User's Guide* to determine the maximum RTDB capacity based on the installed hardware and EPAP Quantity features activated in the system.

f. Do one of the following:

- Reduce the size of the database to match the installed hardware capacities.
- Obtain and install a larger capacity **SM** card.
- Obtain and activate the appropriate EPAP Quantity features.
- Verify that the SM card is running the appropriate GPL type (32-bit or 64-bit).

g. If the SM card requires 64-bit GPLs and the card is currently running 32-bit GPLs, see "Conversion of SM8G-B Cards" or "Conversion of SLIC Cards" in *Database Administration - System Management User's Guide* to convert 32-bit GPLs to 64-bit.

0449 - RTDB resynchronization in progress

This message indicates that the **MPS** database resynchronization is in process.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0449  **  CARD  1108 VSCCP   RTDB resynchronization in progress
```

Alarm Level: Major

Recovery

When the resynchronization is complete, the `RTDB database has been corrected` message is displayed.

```
0445 - RTDB database has been corrected
No further action is necessary
```

If the MPS has been inhibited, the generic clearing alarm `0500` is displayed. Otherwise, when the resynchronization is complete, the `0445 - RTDB database has been corrected` message is displayed.

0450 - Invalid HW for Integrated GLS

The **Integrated GLS Feature** requires E5-based control cards. This UAM is generated when legacy control cards are installed in the standby MASP location after the Integrated GLS feature is turned on. This action changes the **GLS** subsystem state to **IS-ANR**.

Example

```
*   0002.0450 *  GLS System           Invalid HW for Integrated GLS
```

Alarm Level: Major

Recovery

Replace the legacy control cards (labeled GPSM-II and TDM on the cards) with E5-based control cards (labeled E5-MASP) when enabling the Integrated GLS Feature.

0451 - RTDB reload required

The **RTDB** database on the **DSM** card needs to be reloaded because the resynch log does not contain all of the required updates.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0451 ** CARD  1108 VSCCP    RTDB reload required
```

Alarm Level: Major

Recovery

1. Enter the following command to verify the status of the **RTDB**:

   ```
   rept-stat-db:display=all:db=mps
   ```

2. Enter the following command to correct the **VSCCP** card.

   This command reinitializes the card and forces the card to load the current level of the database:

   ```
   init-card:loc=xxxx
   ```

   where *xxxx* is the location of the card identified in output.

3. When the reload is complete, the `RTDB database has been corrected` message is displayed.

   ```
   0445 - RTDB database has been corrected
   No further action is necessary
   ```

4. If the problem persists, contact the My Oracle Support (MOS).

0452 - Exceeded Service Error Threshold Lvl 1

This **UAM** is generated when the EAGLE 5 ISS detects **SCCP** or Application traffic failure rates greater than the defined level 1 Service Error Threshold.

Note: **UAM** 527 is also expected when the errors exceed the threshold level (**UAM**452/453). These alarms are auto-cleared when the error condition abates (below threshold level1 for **UAM** 452 and level 2 for UAM 453)

Example

```
   RLGHNCXA21W 00-11-07 11:02:30 EST  EAGLE 35.0.0
** 0014.0452 ** SCCP SYSTEM       Exceeded Service Error Threshold Lvl 1
```

Alarm Level: Major

Recovery

1. Enter the following command to verify the database threshold:

   `rtrv-th-alm`

2. Enter the following command to verify the Fail Ratio of the service in question:

   `rept-stat-sccp`

3. Enter the following command up to three times to ensure all DSMs are accepting updates:

   `rept-stat-db:display=all:db=mps`

   - If the DSMs are accepting updates, proceed to 4.
   - If the DSMs are not accepting the updates and they all stopped at the same level, inspect the respective EPAP or ELAP application attached to the EAGLE, and correct any issues on the EPAP or ELAP application.

4. Enter the following command to retrieve records from the active or standby **Alarm** and **UIM** logs generated by the Maintenance system:

   `rtrv-log:type=xxx`

   where: *xxx*=**ALL**, **ALARM**, or **UIM**.

   For more information on available parameters, refer to the *Commands Manual*.

5. For further assistance, contact the My Oracle Support (MOS).

0453 - Exceeded Service Error Threshold Lvl 2

This **UAM** is generated when the EAGLE 5 ISS detects **SCCP** or Application traffic failure rates greater than the defined level 2 Service Error Threshold.

Note: **UAM** 527 is also expected when the errors exceed the threshold level (UAM 452/453). These alarms are auto-cleared when the error condition abates (below threshold level1 for UAM 452 and level 2 for UAM 453)

Example

```
    RLGHNCXA21W 00-11-07 11:02:30 EST  EAGLE 35.0.0
*C  0014.0453 *C SCCP SYSTEM       Exceeded Service Error Threshold Lvl 2
```

Alarm Level: Critical

Recovery

1. Enter the following command to verify the database threshold:

   ```
   rtrv-th-alm
   ```

2. Enter the following command to verify the Fail Ratio of the service in question:

   ```
   rept-stat-sccp
   ```

3. Enter the following command up to three times to ensure all DSMs are accepting updates:

   ```
   rept-stat-db:display=all:db=mps
   ```

   - If the DSMs are accepting updates, proceed to the next step.
   - If the DSMs are not accepting the updates and they all stopped at the same level, inspect the respective EPAP or ELAP application attached to the EAGLE. Correct any issues on the EPAP or ELAP application.

4. Enter the following command to retrieve records from the active or standby **Alarm** and **UIM** logs generated by the Maintenance system:

   ```
   rtrv-log:type=xxx
   ```

   where: *xxx*=**ALL**, **ALARM**, or **UIM**.

   For more information on available parameters, refer to the *Commands Manual.*

5. For further assistance, contact the My Oracle Support (MOS).

0455 - EIR Subsystem is not available

The **EIR** subsystem is not available. No **IS-NRVSCCP** cards are associated with this **EIR** subsystem. No **VSCCP** cards have an Active **EIR** status; all are either out-of service (**OOS**) or loading. The **EIR** subsystem was not taken off-line via command.

Example

```
   RLGHNCXA21W 03-08-18 12:01:43 EST  EAGLE 35.0.0
*C 0056.0455  *C  EIR SYSTEM    EIR Subsystem is not available
```

Alarm Level: Critical

Recovery

1. Enter the following command to verify the status and location of the subsystem cards:

   ```
   rept-stat-mps
   ```

2. Enter the following command to move the **VSCCP** cards to an **ACTIVE** status if loading is successful:

   ```
   rst-card:loc=xxxx
   ```

   where *xxxx* is the location of the **OOS-MT-DSBLDVSCCP** card(s) identified in 1.

3. Enter the following command to verify the status and location of the subsystem cards:

```
rept-stat-mps
```

4. Verify the **VSCCP** card(s) reset in 2 are **IS-NR**.

   If not, reseat the card(s).

5. If any card(s) remain **OOS-MT**, replace the card(s).

   Refer to the *Maintenance* manual for card removal/replacement procedures.

0456 - EIR Subsystem is disabled

The **EIR** subsystem has been manually disabled with the `inh-map-ss` command. All **IS-NR** (in service normal) cards have **EIR** status of Offline, with at least one card **IS-NR**.

Example

```
   RLGHNCXA21W 03-08-18 12:01:43 EST  EAGLE 35.0.0
*C 0056.0456  *C  EIR SYSTEM   EIR Subsystem is disabled
```

Alarm Level: Critical

Recovery

1. Enter the following command to verify the status and location of the **EIR** subsystem cards:

   ```
   rept-stat-mps
   ```

2. Enter the following command to reserve the subsystem number and to change the state of the **EIR** subsystem status to on-line:

   ```
   ent-ss-appl:appl=eir:ssn=xx:stat=online
   ```

   where *xx* is primary subsystem number.

3. Enter the following command to change the state of the **EIR** subsystem to on-line:

   ```
   alw-map-ss:ssn=xx
   ```

   where *xx* is primary subsystem number.

4. Enter the following command to verify the status of the **EIR** subsystem:

   ```
   rept-stat-mps
   ```

0460 - EIR Subsystem degraded, card(s) abnormal

One or more EIR cards goes out of service in (N or N+1) configuration or not IS-NR.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 46.0.0
0056.0460      EIR SYSTEM   EIR Subsystem degraded, card(s) abnormal
```

Alarm Level: Major.

Recovery

1. Restore the one or more EIR out of service cards in (N or N+1) configuration or not IS-NR.

0466 - STC Network Unavailable

This indicates the network connected to the **STC** (port A/B) is inaccessible.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0466 ** CARD 1201 STC  STC Network Unavailable
```

Alarm Level: Major

Recovery

Re-association should take place automatically.

If it does not, contact the My Oracle Support (MOS).

0468 - All STC Networks Unavailable

All connections off all the **STC** cards (port A/B) are inaccessible.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
*C 0014.0468  *C EROUTE System  All STC Networks Unavailable
```

Alarm Level: Critical

Recovery

Re-association should take place automatically.

If it does not, contact the My Oracle Support (MOS).

0469 - All STC Cards Unavailable

All the **STC** cards are not accessible.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
*C 0014.0469 *C EROUTE System  All STC Cards unavailable
```

Alarm Level: Critical

Recovery

1. Determine if all **STC** cards are out of service by entering the following command:

   ```
   rept-stat-card
   ```

2. Reinitialize the **STC** cards by entering the following command:

   ```
   init-card:appl=eroute
   ```

3. If the fault has not cleared, reseat each faulty **STC** card.

4. If the alarm is not cleared, contact the My Oracle Support (MOS).

   Refer to the *Maintenance* manual for card removal/replacement procedures.

0473 - EROUTE System Capacity Exceeded

The **EROUTE** system has reached a rate higher than its capacity. There is the possibility of a loss of traffic monitoring.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0473 ** EROUTE System  EROUTE System Capacity Exceeded
```

Alarm Level: Major

Recovery

1. Decrease the number of links being monitored until more **STC** cards are added to the System.
2. Refer to the *Database Administration Manual - Features* for the correct procedure on adding **STC** cards.

0482 - Card(s) have been denied EROUTE service

EROUTE service is being denied service because there is a shortage of **STC** cards.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0482 ** EROUTE System  Card(s) have been denied EROUTE service
```

Alarm Level: Major

Recovery

1. Enter the following command to determine the cards that are denied **EROUTE** service: `rept-stat-mon`
2. Refer to the *Database Administration Manual - Features* for the correct procedure on adding **STC** cards.

0483 - DEIR System is not available

The S13 Feature is not ON or the System has no S23 card in ACTIVE/IS_NR.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

*C  0002.0483 *C DEIR SYSTEM           DEIR System is not available
```

Alarm Level: Critical

Recovery

1. Activate (Active/IS-NR) any of the DEIR cards in the system.

0484 - DEIR System normal, card(s) abnormal

The number of active S13 cards (i.e. in IS-NR state) is less than half the configured S13 cards.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

*  0002.0484 * DEIR SYSTEM            DEIR System normal, card(s) abnormal
```

Alarm Level: Major

Recovery

1. Activate (Active/IS-NR) half or more DEIR cards in the system.

0485 - DEIR System is available

The number of active (Active/IS-NR) S13 cards is equal to or more than half of the configured S13 cards.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

    0003.0485    DEIR SYSTEM            DEIR System is available
```

Alarm Level: None

Recovery

No further action necessary.

0486 - DEIR Threshold - Level1 exceeded

The DEIR Card TPS has exceeded configured level-1 value in DEIROPTS.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

*  0002.0486 * DEIR SYSTEM            DEIR Threshold - Level1 exceeded
```

Alarm Level: Minor

Recovery

1. Reduce the card TPS below configured level-1 value in DEIROPTS.

0487 - DEIR System Threshold - Level2 exceeded

The DEIR Card TPS has exceeded configured level-2 value in DEIROPTS.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

**  0002.0487 ** DEIR SYSTEM            DEIR System Threshold - Level2 exceeded
```

Alarm Level: Major

Recovery

1. Reduce Card TPS below configured level-2 value in DEIROPTS.

0488 - DEIR Threshold Condition Cleared

The DEIR Card TPS is below configured level-1 value in DEIROPTS..

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

  0002.0488  DEIR SYSTEM            DEIR Threshold Condition Cleared
```

Alarm Level: None

Recovery

No further action necessary.

0489 - DEIR capacity exceeded

The DEIR Card TPS has exceeded the maximum allowable cards TPS (8000).

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

*C  0002.0489 *C DEIR SYSTEM            DEIR capacity exceeded
```

Alarm Level: Critical

Recovery

1. Reduce the card TPS below the overall cards TPS.

0490 - DEIR normal

The S13 card capacity has returned to normal.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

  0002.0490  DEIR SYSTEM            DEIR normal
```

Alarm Level: None

Recovery

No further action necessary.

0491 - Connection TPS exceeded

The connection present on the DEIR Card has exceeded the maximum allowable connection TPS (MaxTPS) configured in the DCONN table.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
```

```
**  0002.0491 ** DEIR SYSTEM            Connection TPS exceeded
```

Alarm Level: Major

Recovery

1. Reduce the connection TPS to below the configured MaxTPS for that connection in the DCONN table.

0492 - Connection TPS normal

The TPS on a connection present DEIR card is below or equal to the maximum allowed TPS (MaxTPS) configured in the DCONN table.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

  0002.0492   DEIR SYSTEM            Connection TPS normal
```

Alarm Level: None

Recovery

No further action necessary.

0493 - Diameter Connection Down

The SCTP association is Open (open=yes) and the Diameter connection status is down.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

 **   0004.0493 ** DCONN DCNAME1          Diameter Connection Down
```

Alarm Level: Major

Recovery

1. Get the diameter connection UP.

0494 - Diameter Connection UP

The SCTP association is Open (open=yes) and the Diameter connection status is UP.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

    0003.0494    DEIR SYSTEM            Diameter Connection UP
```

Alarm Level: None

Recovery

No further action is necessary.

0495 - Diameter Connection Closed

The Diameter connection or SCTP association for a diameter connection is closed.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

    0002.0495   DEIR SYSTEM            Diameter Connection Closed
```

Alarm Level: None

Recovery

No further action necessary.

0496 - DEIR System is removed

The last S13 card has been deleted from the system.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

  0002.0496    DEIR SYSTEM            DEIR System is removed
```

Alarm Level: None.

Recovery

No further action is necessary.

0497 - REPT-J1F:FAC-J1 LOS failure

This alarm is present when no signal is being received on the signaling link.

Example

```
   1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890
**  0123.0497 ** J1PORT 1103,2           REPT-J1F:FAC-J1 LOS failure
```

Alarm Level: Major

Recovery

Check the physical connections.

0498 - REPT-J1F:FAC-J1 LOF failure

The 7-bit frame alignment signal does not match the pattern the EAGLE is expecting.

Example

```
   1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890
**  0124.0498 ** J1PORT 1103,2           REPT-J1F:FAC-J1 LOF failure
```

Alarm Level: Major

Recovery

Contact the far-end office to correct their framing problem.

0499 - REPT-J1F:FAC-J1 Remote Alarm

This alarm is present when there is some type of failure on the far end.

Example

```
   1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890
**  0125.0499 ** J1PORT 1103,2           REPT-J1F:FAC-J1 Remote Alarm
```

Alarm Level: Major

Recovery

Contact the far-end office to determine the cause and correct the problem.

0501 - OAM ITT sample Minor Alarm

This is an alarm clearing output that applies to Minor setting alarms. The alarm for the indicated device is being cleared.

Example

```
tekelecstp 01-01-19 14:56:48 EST  EAGLE 34.0
0045.0501    DLK 1104,A1             Alarm for this entity is being cleared
```

Note: The output can vary significantly. The output varies depending on which device the alarm is being cleared. In this example the alarm is being cleared for a Data **Link**.

Alarm Level: No alarm condition. The message is informational only.

Recovery

No further action is necessary.

0502 - OAM ITT sample Minor Alarm

This is an alarm clearing output that applies to Minor alarms. The alarm for the indicated device is being cleared.

Example

```
tekelecstp 01-01-19 14:56:48 EST  EAGLE 34.0
0045.0502    DLK 1104,A1             Alarm for this entity is being cleared
```

Note: The output can vary significantly. The output varies depending on which device the alarm is being cleared. In this example the alarm is being cleared for a Data **Link**.

Alarm Level: No alarm condition. The message is informational only.

Recovery

No further action is necessary.

0503 - OAM ITT sample Critical Alarm

This is an alarm clearing output that applies to Major alarms. The alarm for the indicated device is being cleared.

Example

```
tekelecstp 01-01-19 14:56:48 EST  EAGLE 34.0
0045.0503    DLK 1104,A1            Alarm for this entity is being cleared
```

Note: The output can vary significantly. The output varies depending on which device the alarm is being cleared. In this example the alarm is being cleared for a Data **Link**.

Alarm Level: No alarm condition. The message is informational only.

Recovery

No further action is necessary.

0504 - REPT-J1F:FAC-J1 Alarm

This alarm is present when the J1 port becomes unavailable.

Example

```
   1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890
**  0126.0504 ** J1PORT 1103,2           REPT-J1F:FAC-J1 Alarm
```

Alarm Level: Major

Recovery

Contact the far-end office to determine the cause and correct the problem.

0505 - RRCVRY-J1F:FAC-J1 available

This alarm is present when the J1 port is back in-service.

Example

```
   1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890
0127.0505    J1PORT 1103,2           REPT-J1F::FAC-J1 available
```

Alarm Level: Normal

Recovery

None.

0506 - REPT-J1F:FAC-J1 unavailable

This alarm is present when the J1 port goes down.

Example

```
   1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890
**  0128.0506 ** T1/J1PORT 1103,2           REPT-J1F::FAC-J1 unavailable
```

Alarm Level: Major

Recovery

When the J1 port becomes available.

0514 - Standby MASP inhibited

This message indicates that the standby **OAM** is inhibited. **Database** updates will be rejected until the standby **OAM** is allowed.

Example

```
   RLGHNCXA3W 00-11-06 10:55:49 EST EAGLE 35.0.0
** 0076.0514 ** CARD 1115 OAM     Standby MASP inhibited
```

Alarm Level: Major

Recovery

1. Verify the status of the **OAM** entering a `rept-stat-card` command.
2. Enter the following command to allow the card:

   `alw-card:loc=xxxx`

   where *xxxx* = card location (1115 or 1113)
3. If the card is restored, you have completed this procedure.

   If the card is not restored, check and follow the output to correct the problem, then enter the `alw-card` command.
4. If the problem persists, contact the My Oracle Support (MOS).

0517 - Degraded Mode - multiple cards failed

The Measurements Platform subsystem is degraded because more than one **MCPM** card is out of service. The Measurements Platform subsystem can successfully complete all of its work, but may have no spare **MCPM**.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0517 ** MEAS SYSTEM    Degraded Mode - multiple cards failed
```

Alarm Level: Major

Recovery

1. Enter the following command to determine the status of the **MCPM** cards:

   `rept-stat-meas`
2. Reinitialize the faulty card using the command.

   `init-card`

3. If the fault has not cleared, reseat the faulty card.
4. If the fault has not cleared, replace the faulty **MCPM** card.
5. Repeat 2 through 4 for each faulty **MCPM** card.

   Refer to the *Maintenance* manual for card removal/replacement procedures.

0518 - Measurements subsystem unavailable

The Measurements Platform subsystem is not available. All **MCPM** cards are out of service.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
*C 0100.0518   *C   MEAS SYSTEM    Measurements subsystem unavailable
```

Alarm Level: Critical

Recovery

1. Enter the following command to determine the status of the **MCPM** cards:

   `rept-stat-meas`
2. Reinitialize the faulty **MCPM** card using the `init-card` command.
3. If the fault has not cleared, reseat the faulty card.
4. If the fault has not cleared, replace the faulty **MCPM** card.
5. Repeat 2 through 4 for each faulty **MCPM** card.

   Refer to the *Maintenance* manual for card removal/replacement procedures.

0520 - Frame power usage reached LVL3

Frame power usage reached 98% of threshold value.

Example

```
   RLGHNCXA3W 00-11-06 10:55:49 EST EAGLE 35.0.0
*C 0002.0520 *C FRAME CF01 Frame power usage reached LVL3
```

Alarm Level: Critical

Recovery

1. Verify that the Frame Power Threshold value is properly configured for the frame for which **UAM** is generated using the following command:

   `rtrv-frm-pwr`
2. Verify that the card population is correct for that particular frame using the following command:

   `rtrv-stp:display-power`
3. Contact the My Oracle Support (MOS), about the generated **UAM**.

0521 - Frame power usage reached LVL2

Frame power usage reached 95% but is below 98% of threshold value.

Example

```
   RLGHNCXA3W 00-11-06 10:55:49 EST EAGLE 35.0.0
** 0002.0521 ** FRAME CF01 Frame power usage reached LVL2
```

Alarm Level: Major

Recovery

1. Verify that the Frame Power Threshold value is properly configured for the frame for which **UAM** is generated using the following command:

   `rtrv-frm-pwr`

2. Verify that the card population is correct for that particular frame using the following command:

   `rtrv-stp:display-power`

3. Contact the My Oracle Support (MOS), about the generated **UAM**.

0528 - Service is not available

The specified **SCCP** service is not available. No **IS-NRSCCP** cards are associated with this specified **SCCP** service. No **SCCP** cards providing the specified service have a service status of Active.

Example

```
   RLGHNCXA3W 00-11-06 10:55:49 EST EAGLE 34.3.0
*C 0056.0528 *C GFLEX SERVICE Service is not available
```

Alarm Level: Critical

Recovery

1. Enter the following command to verify the status and location of the **SCCP** service cards:

   `rept-stat-sccp`

2. Enter the following command to move the **SCCP** service card to an **ACTIVE** status if loading is successful:

   `rst-card:loc-xxxx`

   where: *xxxx* is the location of the **OOS-MT-DSBLDSCCP** card(s) identified in 1.

3. Enter the following command to verify the status and location of the **SCCP** service cards:

   `rept-stat-sccp`

4. Verify the **SCCP** card(s) reset in 2 are **IS-NR**.

   If not, reseat the card(s).

5. If any card(s) remain **OOS-MT**, replace the card(s).

Note: Refer to the *Maintenance* manual for card removal/replacement procedures. for card replacement procedures.

0529 - Service is disabled

The specified **SCCP** service has been manually disabled with the `chg-sccp-serv` command. All **IS-NR** cards providing the service have service status of Offline.

Example

```
   RLGHNCXA3W 00-11-06 10:55:49 EST EAGLE 34.3.0
*C 0056.0529 *C GFLEX SERVICE Service is disabled
```

Alarm Level: Critical

Recovery

1. Enter the following command to verify the status and location of the **SCCP** service cards:

   `rept-stat-sccp`

2. Enter the following command to change the state of the **SCCP** service status to on-line:

   `chg-sccp-serv:serv-xxxx:state=online`

   where: *xxxx* is the **SCCP** service name.

3. Enter the following command to verify the status of the **SCCP** service cards:

   `rept-stat-sccp`

0534 - RTX is prohibited

Traffic to the **DPC** through this exception route set is prohibited. Possible causes are as follows:

- All routes in this exception route set are unavailable.
- Adjacent point code link failures or nonadjacent failure exist in the route.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
*C  0044.0534 *C RTXN24    001-101-001   RTX is prohibited
                 ILSN=lsn012345
```

Alarm Level: Critical

Recovery

1. Enter the following command using the **DPC** and **RTX** class/criterion specified from the output message to determine which linkset has a problem:

   `rept-stat-rtx:dpc=<dpc>:<class>=<criterion>`

2. Enter the following command using the linkset name specified from the output of 1 to determine which link(s) could have a problem:

   ```
   rept-stat-ls
   ```

3. Use local procedures to test the link facilities.

0537 - Ethernet error threshold exceeded

There are two types of error that can generate UAM 0537:

- Too much data received on the port.
- An Ethernet interface experiences excessive errors at the physical layer, such as CRC or framing errors. This error is issued when the Ethernet statistics indicate errors occurring in any 15-second window. The alarm will clear when no errors have occurred in the previous 15 second window. In full-duplex mode, collisions will not be ignored but when configured for half-duplex mode, they will be ignored, since collisions are expected in half-duplex mode. When collisions occur repeatedly for the same packet more than 16 times then the "excess collisions" error count is pegged.

Example

```
   RLGHNCXA21W 06-12-07 12:01:43 EST  EAGLE 35.6.0
**  2315.0537 ** ENET 1201,B             Ethernet error threshold exceeded
```

Alarm Level: Major

Recovery

This error may be due to

- Too much incoming data for the port to handle.
- Faulty hardware; an EAGLE card, cable, or immediate IP switch/router.
- Configuration mismatch problems; the following items should match on both ends:
  - Duplex
  - Speed
  - Ethernet type
  - Autonegotiate used on EAGLE or immediate IP switch/router (it is recommended to lock down your IP connection and do not use AUTONEGOTIATE)

1. Perform this step if UAM 0537 is issued and the card boots; otherwise, skip to 2. If the card boots, the problem is probably too much incoming data on the port. Deactivate the port that has too much data using the `dact-ip-lnk:loc=xxxx:port=xxxx` command. Fix the network problem, then reactivate the port using the `act-ip-lnk:loc=xxxx:port=xxxx`.

Note: An external hardware failure can cause IP overload on the port resulting in card boot. This problem is uncommon, but can occur when a problem with the customer network overwhelms the Ethernet port with a storm of traffic. The solution is to resolve the network problem. The `dact-ip-lnk:loc=xxxx:port=xxxx` also makes it possible to deactivate a bad Ethernet port so the other port can work.

2. Use the following command to determine the current EAGLE configuration for the IP card reporting the errors.

   `rtrv-ip-lnk:loc=xxxx`

   where*xxxx* is the card location identified in the error message.

3. Use the `netstat -d pass` command to view the driver statistics for the local interface.

   - For the A ethernet interface, `pass:loc=XXXX:cmd="netstat -d 0"`
   - For the B ethernet interface, `pass:loc=XXXX:cmd="netstat -d 1"`

     where *xxxx* is the card location identified in the error message.

   Table 3-4 and Table 3-5 show the errors that show up on the DCM/DSM/EDCM/SSEDCM and E5-ENET/E5-ENET-B card types. Because the boards use different ethernet chips, the statistics that are available are different.

Table 3-4 See (DCM/DSM/EDCM/SSEDCM) Ethernet Error Statistics

Statistic Peg	Description	Half Duplex threshold count	Full Duplex threshold count
overflow	Number of times the RX FIFO overflowed for frames received.	1	1
CRC errors	Number of frames received or discarded with CRC errors but no framing errors.	1	1
short frame	Number of frames received or discarded with carrier sense or RX-D.V. activity less than the “ShortEventMaxTime” (74-82 bit times).	1	1
oversize frame	Number of receive frames with greater than the 1518 byte maximum frame size.	1	1

Table 3-4 (Cont.) See (DCM/DSM/EDCM/SSEDCM) Ethernet Error Statistics

Statistic Peg	Description	Half Duplex threshold count	Full Duplex threshold count
terminal count	Receive DMA tried to receive more than the buffer capacity.	1	1
excess collisions	Number of times a frame collided 16 times without successful transmission.	1	1
underflow	Count of transmit underflow errors.	1	1
CS error	Number of times the transmitter had transmit data available and was ready to transmit but had to defer transmission due to carrier sense going HIGH. (Tx defer count in the See data sheet).	n/a	1
alignment error	Number of frames received or discarded with both a framing error and a CRC error.	1	1
very long event	Number of times the transmitter is active for greater than the MAU Jabber Lockup Protection Timer allows ([4-7ms] at 10 Mbit and [0.4 – 0.75ms] at 100 Mb.11 rxerrorNumber of times RXERR is asserted by the Ethernet PHY.	1	1
num_job_q_full	Number of times the net task job queue was full.	1	1
rxerror	Number of times RXERR is asserted by the Ethernet PHY.	1	1

Table 3-5 GEI (E5-ENET/E5-ENET-B) Ethernet Error Statistics

Statistic Peg	Description	Half Duplex threshold count	Full Duplex threshold count
crcerrs	Number of receive frames with CRC errors.	1	1
algnerrc	Number of receive frames with alignment errors (the frame is not an integer number of bytes in length).	1	1
rxerrc	Number of frames received in which I_RX_ER was asserted by the PHY.	1	1
ecol	When 16 or more collisions have occurred on a frame, this register increments, regardless of the value of collision threshold.	1	1
tncrs	This register counts the number of successful frame transmissions in which the internal carrier sense signal from the PHY was not asserted within one slot time of start of transmission.	n/a	1
tuc	Transmit underrun count.	1	1
rlec	This register counts receive length error events.	1	1
rnbc	The number of times that frames were received when there were no available buffers in host memory to store those frames.	1	1

Table 3-5 (Cont.) GEI (E5-ENET/E5-ENET-B) Ethernet Error Statistics

Statistic Peg	Description	Half Duplex threshold count	Full Duplex threshold count
ruc	This register counts the number of received frames that passed address filtering, and were less than minimum size (64 bytes from <Destination Address> through <CRC>, inclusively), and had a valid CRC.	1	1
roc	This register counts the number of received frames with valid CRC field that passed address filtering, and were greater than maximum size.	1	1

4. If the error is due to configuration problems, correct the configurationso the EAGLE and the IP switch/router match.
5. If the configuration matches on both ends of the IP segment, replace the EAGLE card as identified in the error message.

   If replacing the card does not fix the issue, begin local procedures to verify the local IP segment.

0539 - Ethernet Interface Down

An Ethernet interface is reporting that it is down.

Example

```
    RLGHNCXA21W 06-12-09 12:01:43 EST  EAGLE 40.1
**  2315.0539 ** DLK 1201,B1  IPSG       Ethernet Interface Down
```

Alarm Level: Major

Recovery

An Ethernet interface is provisioned (`rtrv-ip-lnk` reports a non-zero IP address and the card on which the Ethernet resides is in service), but the interface is reporting that it is down.

If this UAM comes from the E5-OAM card and `rept-stat-meas` command output shows this E5-OAM card as Primary, a loss of reports on the measurement server is possible and MASP swap must be done manually.

If this UAM comes from the E5-OAM card, `rept-stat-card` shows this card is active, and `rtrv-ctrl-feat` command output shows the SNMP feature is activated, a loss of SNMP traps is possible. MASP swap must be done manually.

0541 - MSU cksum error threshold exceeded

One or more MSU checksum validation errors have been reported by a LIM or SCCP card during internal card integrity checks.

A LIM or SCCP card has reported a checksum validation failure for a MSU received from another card. The failure may be due to a hardware problem or other issue affecting the data transfer path on a particular card. It may indicate a problem with data corruption in an MSU sent to or received from another card.

The alarm is raised when a checksum validation failure occurs during internal card integrity checks. It remains active in the system until the Run-Time Diagnostic subsystem (RTD) statistics are reset and no further indications of MSU checksum validation failures are reported.

Example

```
    RLGHNCXA21W 06-12-07 12:01:43 EST  EAGLE 35.6.0
*C  2315.0541 *C RTD SYSTEM             MSU cksum error threshold exceeded
```

Alarm Level: Critical

Recovery

1. Issue the following command with no parameters to obtain the Run-Time Diagnostic subsystem (RTD) report.

   Note: Save all command outputs and reports obtained during this procedure to provide to My Oracle Support (MOS).

   `rept-stat-rtd`

   Following is an example output of the rept-stat-rtd command.

```
RLGHNCXA21W 06-12-07 12:01:43 EST EAGLE 35.6.0
Retrieving data from the cards…

RTD  SUBSYSTEM REPORT IS-ANR         Active     -----
RTD  ALARM STATUS =  541 MSU cksum error threshold exceeded

          MSU Validation Statistics
        ============================
        Total Rx   Total Rx      Total
CARD    Error      Validated        Tx
1101         275         275       710
1102           0         200       200
1103           0         200      1000
1105           0        1360       275
1107           0         200       100
1108           0         100       100
```

2. Record the timestamp reported for the alarm.

3. Record the locations for cards reporting 1 or more errors in the `Total Rx Error` column.

4. Determine if a single error or multiple errors were reported when the alarm occurred.

- Multiple errors - if multiple cards report errors or a single card reports more than 1 error in the `Total Rx Error` column.
- Single error - if only 1 card reports errors and the value in the `Total Rx Error` column is 1.

5. Issue the following command for each card reporting 1 or more errors in 1

   `rept-stat-rtd:loc=xxxx`

   Where xxxx is the card location determined from the output in 1.

   The following is an example output of a card summary for card 1101.

```
rept-stat-rtd:loc=1101

    RLGHNCXA21W 06-12-07 12:01:43 EST EAGLE 35.6.0
    Retrieving data from card …

    CARD SUMMARY: 1101     Last Alarm Timestamp: 06-12-07 12:01:43

                         MSU Validation Statistics
                      ================================

                     Total Rx     Total Rx    Total Tx
    SRC/DEST            Error    Validated
    CARD
    1102                  100          100         100
    1103                    0            0           0
    1105                   75           75         360
    1107                  100          100         200
    1108                    0           50          50
```

6. Issue the following command to clear the RTD statistics

   `rept-stat-rtd:reset=yes:force=yes`

   Following is an example output of the command.

```
rept-stat-rtd:reset=yes

    RLGHNCXA21W 06-12-07 12:09:43 EST EAGLE 35.6.0
    Reset all RTD statistics sent to each card

COMMAND COMPLETE
```

7. Issue the following command with no parameters to obtain the Run-Time Diagnostic subsystem (RTD) report.

   `rept-stat-rtd`

   Following is an example output of the command showing no alarms.

```
    RLGHNCXA21W 06-12-07 12:10:43 EST EAGLE 35.6.0
    Retrieving data from the cards…

    RTD  SUBSYSTEM REPORT IS-NR         Active     -----
    RTD  ALARM STATUS =  No Alarms

              MSU Validation Statistics
            ==============================
            Total Rx   Total Rx      Total
    CARD    Error      Validated        Tx
```

```
1101          0         275       710
1102          0         200       200
1103          0         200      1000
1105          0        1360       275
1107          0         200       100
1108          0         100       100
```

Note that the alarm did clear.

8. Have all command outputs and reports obtained during this procedure available.

   This information will be used by the Customer Care Center in determining the cause of the alarm and monitoring the system for errors.

9. If RTD alarm status reported in step 7 indicates that the alarm did not clear, then proceed with below steps. Otherwise, continue to 26

10. Enter the `rtrv-log:dir=bkwd:snum=1355:num=10` command to retrieve the 10 latest UIM 1355 records.

11. Count the total number of times a particular card location appeared in the 10 UIM 1355 samples collected in the previous step, either as the source or as the destination location.

    For example, if card 1102 appeared as the source location in 4 UIM 1355 samples, and card 1102 appeared as the destination location in 6 UIM 1355 samples, then card 1102 appeared a total of 10 times in 10 UIM 1355 samples.

12. Notify My Oracle Support (MOS) of the occurrence of the alarm immediately if none of the locations appeared exactly 10 times. Otherwise, proceed with the next step.

13. If more than one location appeared 10 times, go to step 18. If only one card location appeared 10 times, then go to the next step.

14. Inhibit the card location that appeared 10 times.

15. Enter the `rept-stat-rtd:reset=yes:force=yes` command to reset the RTD alarm.

16. Enter the `rept-stat-rtd` command to verify the RTD alarm status.

17. Notify My Oracle Support (MOS) of the occurrence of the alarm immediately if the previous steps did not clear the RTD alarm. Otherwise, go to 26.

18. Inhibit the card location that appeared 10 times as the source card location in the UIM 1355 samples collected in 10.

19. Enter the `rept-stat-rtd:reset=yes:force=yes` command to reset the RTD alarm.

20. Enter the `rept-stat-rtd` command to verify the RTD alarm status.

21. If the previous steps did not clear the RTD alarm, allow the card location that was previously inhibited and bring it back in service.

22. Inhibit the card location that appeared 10 times as the source card location in the UIM 1355 samples collected in 10.

23. Enter the `rept-stat-rtd:reset=yes:force=yes` command to reset the RTD alarm.

24. Enter the `rept-stat-rtd` command to verify the RTD alarm status.

25. Notify My Oracle Support (MOS) of the occurrence of the alarm immediately if the previous steps did not clear the RTD alarm. Otherwise, go to the next step.

26. Notify My Oracle Support (MOS) of the occurrence of the alarm within 1 business day, along with captures covering the recovery steps performed and all necessary system logs (UIM, UAM, seculog, trouble, obit, etc.) covering the incident.

0546 - SEAS Terminal Unavailable

This message indicates that the EAGLE 5 ISS system is unable to communicate with the **SEAS** subsystem.

Example

```
    RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 37.5.0
*   0043.0546 ** TERMINAL   17          SEAS Terminal Unavailable
```

Alarm Level: Major

Recovery

1. Enter the following command to determine the status of the **SEAS** terminal(s):

   `rept-stat-seas`

   Following are some examples of possible outputs:

   - Both Terminals Down (Duplex)

```
> rept-stat-seas

    tekelecstp 20-01-16 12:50:00 GMT  UNKNOWN ??.?.?-58.32.0
    rept-stat-seas
    Command entered at terminal #25.
;

Command Accepted - Processing
    tekelecstp 20-01-16 12:50:00 GMT  UNKNOWN ??.?.?-58.32.0
    SEAS SYSTEM                                 PST           SST
AST

------------------------------------------------------------------------
                                                OOS-MT        Fault
-----

    ALARM STATUS = *C 0349 SEAS unavailable

    TERM           IPADDR           PORT        PST           SST
AST

------------------------------------------------------------------------
    26             192.168.63.235   1600        OOS-MT        Disc
-----

    ALARM STATUS = ** 0546 SEAS Terminal unavailable

    24             192.168.63.235   1700        OOS-MT        Disc
```

```
-----

    ALARM STATUS = ** 0546 SEAS Terminal unavailable


    Command Completed.
;
```

- One Terminal Up (Duplex)

```
> rept-stat-seas

    tekelecstp 20-01-16 12:50:00 GMT  UNKNOWN ??.?.?-58.32.0
    rept-stat-seas
    Command entered at terminal #25.
;

Command Accepted - Processing
    tekelecstp 20-01-16 12:50:00 GMT  UNKNOWN ??.?.?-58.32.0
    SEAS SYSTEM                                 PST           SST
AST

------------------------------------------------------------------------------
                                                IS-ANR        Restrict
-----

    ALARM STATUS = ** 0348 SEAS is at min service limit

    TERM           IPADDR           PORT        PST           SST
AST

------------------------------------------------------------------------------
    26             192.168.63.235   1600        IS-NR         Active
-----

    ALARM STATUS = No Alarms.

    24             192.168.63.235   1700        OOS-MT        Disc
-----

    ALARM STATUS = ** 0546 SEAS Terminal unavailable


    Command Completed.
;
```

- One Terminal Down (Simplex)

```
> rept-stat-seas

    tekelecstp 20-01-16 12:50:00 GMT  UNKNOWN ??.?.?-58.32.0
    rept-stat-seas
    Command entered at terminal #25.
;

Command Accepted - Processing
    tekelecstp 20-01-16 12:50:00 GMT  UNKNOWN ??.?.?-58.32.0
    SEAS SYSTEM                                 PST           SST
AST

------------------------------------------------------------------------------
                                                OOS-MT        Fault
```

```
-----

    ALARM STATUS = *C 0349 SEAS unavailable

    TERM           IPADDR           PORT        PST           SST
AST

------------------------------------------------------------------------
    26             192.168.63.235   1600        OOS-MT        Disc
-----

    ALARM STATUS = ** 0546 SEAS Terminal unavailable


    Command Completed.
```

Refer to the *Commands Manual* to interpret the output.

2. Verify that the IP addresses and ports are correct.

   Correct any discrepancy found.

3. Check the physical connections.

   See the *Installation Manual* for more information about these system components. If the connections are firmly seated.

4. Check for any fuse alarms on the Fuse and Alarm Panel in the frame.

5. Check that all terminals for the IPSM card are inhibited before inhibiting the card for replacement.

6. Replace the E5-IPSM card. Refer to the *Maintenance* manual for card removal/ replacement procedures.

0547 - Service degraded

One or more SS cards goes out of service in (N or N+1) configuration or not IS-NR.

Example

```
    RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 46.0.0
0056.0547      APSS   Service degraded
```

Alarm Level: Major.

Recovery

1. Restore the one or more SS out of service cards in (N or N+1) configuration or not IS-NR.

0548 - GTT HexTree DB corrupted. TPS derated

This message indicates there is a memory corruption in the HexTree DB that is affecting the lookup of GTT translations.

Example

```
12345678901234567890123456789012345678901234567890123456789012345678901234567890

**  0002.0548 ** CARD 1203              GTT HexTree DB corrupted. TPS derated
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Reboot the card or turn OFF GTTHITPS.

0549 - GTT HexTree DB incoherent. TPS derated

This message indicates the HexTree DB could not be updated successfully on the RADB command and the DB is incoherent..

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

**  0002.0549 ** CARD 1203              GTT HexTree DB incoherent. TPS derated
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Reboot the card or turn OFF GTTHITPS.

0550 - GTT HexTree DB alarm cleared

This message indicates the HexTree DB error has been cleared.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

    0002.0550    CARD 1203              GTT HexTree DB alarm cleared
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

This message indicates a previous fault has been corrected.

No further action is necessary.

0551 - V-Flex Subsystem is not available

No SCCP cards have a V-Flex status of Active. (All SCCP cards are OOS or loading)

Example

```
     RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 37.6.0
 *C  0056.0551 *C VFLEX SYSTEM           VFLEX Subsystem is not available
```

Alarm Level: Critical.

Recovery

1. The V-Flex feature must be turned on and activated.

0552 - V-Flex Subsystem is disabled

All IS-NR SCCP cards have V-Flex status of Offline (with at least 1 card IS-NR). INH-MAP-SS command has been executed.

Example

```
    RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 37.6.0
 *C  0056.0552 *C VFLEX SYSTEM           VFLEX Subsystem is disabled
```

Alarm Level: Critical.

Recovery

1. The V-Flex feature must be enabled and turned on.

0556 - V-Flex Subsystem degraded, card(s) abnormal

One or more V-Flex cards goes out of service in (N or N+1) configuration or not IS-NR.

Example

```
    RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 46.0.0
0056.0556      VFLEX Subsystem   VFLX Subsystem degraded, cards abnormal
```

Alarm Level: Major.

Recovery

1. Restore the one or more V-Flex out of service cards in (N or N+1) configuration or not IS-NR.

0561 - Can't establish Hi Bit rate;All HW OK

This message is issued if the system cannot establish high bit rate operation when it is equipped with HIPR2 cards at all MUX locations and the HIPR2 High Rate Mode feature is ON.

Note: This UAM might appear during transition phase when the HIPR2 High Rate Mode feature status has changed, but eventually it will be cleared if high bit rate is established on both IMT buses.

Example

```
RLGHNCXA21W 09-02-07 12:01:43 EST  EAGLE 41.1.0
*C  5025.0561 *C SYSTEM           Can't establish Hi Bit rate;All HW OK
```

Alarm Level: Critical

Recovery

1. Verify the status of the cards using the command: `rept-stat-mux`.

   Example of the output:

```
CARD   TYPE       PST            SST        AST       BITRATE   BITRATE
                                                        (OPER)    (ACT)
------------------------------------------------------------------------
1109   HIPR2      IS-ANR         Restrict   -----     HIGH      LOW
1110   HIPR2      IS-NR          Active     -----     HIGH      HIGH
1209   HIPR2      IS-ANR         Restrict   -----     HIGH      LOW
1210   HIPR2      IS-NR          Active     -----     HIGH      HIGH
1309   HIPR2      IS-ANR         Restrict   -----     HIGH      LOW
1310   HIPR2      IS-NR          Active     -----     HIGH      HIGH
Command Completed.
```

2. Replace any faulty HIPR2 cards with a new HIPR2 card.

   Refer to the *Maintenance* manual, *Appendix A, Card Removal/Replacement Procedures* for information on replacing the HIPR2 cards.

3. If the alarm does not clear, contact the My Oracle Support (MOS).

0563 - IMT Bit rate mismatch detected

This message indicates that the the IMT Bus A and B are operating at different bit rates. This can occur if the BERT Test fails for only one bus, or if some of the HIPR2 cards have been replaced with HMUX/HIPR cards after the HIPR2 High Rate Mode feature was turned ON.

Note: This UAM might appear during transition phase when the HIPR2 High Rate Mode feature status has changed, but eventually it will be cleared if high bit rate is established on both IMT buses.

Example

```
RLGHNCXA21W 09-02-07 12:01:43 EST  EAGLE 41.1.0
**  0590.0563 ** IMT SYSTEM        IMT Bit rate mismatch detected
```

Alarm Level: Major

Recovery

1. Verify the card status. Enter this command: `rept-stat-mux`.

   Example of the output:

```
CARD   TYPE       PST            SST        AST       BITRATE   BITRATE
                                                        (OPER)    (ACT)
------------------------------------------------------------------------
1109   HIPR2      IS-ANR         Restrict   -----     HIGH      LOW
1110   HIPR2      IS-NR          Active     -----     HIGH      HIGH
1209   HIPR2      IS-ANR         Restrict   -----     HIGH      LOW
1210   HIPR2      IS-NR          Active     -----     HIGH      HIGH
1309   HIPR2      IS-ANR         Restrict   -----     HIGH      LOW
1310   HIPR2      IS-NR          Active     -----     HIGH      HIGH
Command Completed.
```

2. Enter the command to verify the IMT status: `rept-stat-imt`.

   Example of the output:

```
 IMT   PST              SST          AST
  A    IS-ANR          Restrict     -----
  ALARM STATUS       = No alarms

 IMT   PST             SST         AST
 B     IS-NR           Active      -----
 ALARM STATUS       = No alarms

Command Completed.
```

3. Replace the faulty HIPR2 card or replace the HMUX/HIPR cards with HIPR2 cards.

0565 - ATINPQ Subsystem is not available

The ATINP subsystem is not available. There are no IS-NR SCCP cards associated with this ATINP subsystem. The ATINP subsystem was not taken off-line via command.

Example

```
    RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 39.2.0
*C  0056.0565 *C ATINP SYSTEM           ATINPQ Subsystem is not available
```

Alarm Level: Critical

Recovery

1. Enter the following command to verify the status and location of the subsystem cards:

   `rept-stat-mps`

2. Enter the following command to move the SCCP cards to an ACTIVE status if loading is successful:

   `rst-card:loc=xxxx`

   where xxxx is the location of the OOS-MT-DSBLD SCCP card(s) identified in 1.

3. Enter the following command to verify the status and location of the subsystem cards:

   `rept-stat-mps`

4. Verify the SCCP card(s) reset in 2 are IS-NR.

   If not, reseat the card(s).

5. If any card(s) remain OOS-MT, replace the card(s).

   Refer to the *Maintenance* manual for card removal/replacement procedures.

0566 - ATINPQ Subsystem is disabled

The ATINP subsystem has been manually disabled using the `inh-map-ss` command.

Example

```
    RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 39.2.0
*C  0056.0566 *C ATINP SYSTEM           ATINPQ Subsystem is disabled
```

Alarm Level: Critical

Recovery

1. Enter the following command to verify the status and location of the ATINP subsystem cards:

   `rept-stat-mps`

2. Enter the following command to to reserve the subsystem number and to change the state of the ATINP subsystem status to on-line:

   `ent-ss-appl:appl=ATINPQ:ssn=xx:stat=online`

where *xx* is primary subsystem number.

3. Enter the following command to activate the ATINP subsystem and to bring it on-line:

   `alw-map-ss:ssn=xx`

   where *xx* is primary subsystem number.

4. Enter the following command to verify the status of the ATINP subsystem:

   `rept-stat-mps`

0570 - Incompatible flash image for sys rel

The new card inserted into system with a flash image is not compatible with the system release. The card is auto-inhibited. A manual flash download is required.

Example

```
isht01 09-07-21 09:19:16 EST  EAGLE5 41.1

ALARM STATUS       = **  0570 Incompatible flash image for sys rel
   99  Inserted H/W is not compatible with the provisioned slot
                  HW VERIFICATION CODE: 98
```

Alarm Level: Major

Recovery

1. Enter the command to load and activate the approved **GPL** onto the inhibited card:

   `flash-card:code=appr:loc=xxxx:force=yes`

   where *xxxx* is the card location used in the previous step. The optional `force=yes` is used to force the command to work on an IS-NR card. Links provisioned on the card are inhibited during command execution. The card and inhibited links are restored to their previous state when the command is completed.

   Example of the output using card location 1105:

```
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Downloading BLBIOS on card 1105.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Card 1105 download BLBIOS complete.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Downloading BLDIAG on card 1105.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Card 1105 download BLDIAG complete.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Downloading PLDE1T1 on card 1105.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Card 1105 download PLDE1T1 complete.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Downloading IMTPCI on card 1105.
```

```
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Card 1105 download IMTPCI complete.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Downloading BLVXW on card 1105.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Card 1105 download BLVXW complete.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Downloading PLDPMC1 on card 1105.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Card 1105 download PLDPMC1 complete.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Activating BLBIOS on card 1105.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Card 1105 activation BLBIOS complete.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Activating BLDIAG on card 1105.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Card 1105 activation BLDIAG complete.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Activating PLDE1T1 on card 1105.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Card 1105 activation PLDE1T1 complete.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Activating IMTPCI on card 1105.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Card 1105 activation IMTPCI complete.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Activating BLVXW on card 1105.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Card 1105 activation BLVXW complete.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Activating PLDPMC1 on card 1105.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Card 1105 activation PLDPMC1 complete.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Downloading BLCPLD on card 1105.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Card 1105 download BLCPLD complete.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Activating BLCPLD on card 1105.
;
```

```
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Card 1105 activation BLCPLD complete.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Command Completed.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Canceling links on card 1105.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Inhibiting card 1105.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 Rel 34.0.0
    Flash Card: Downloading BPMPL on card 1105.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Card 1105 download BPMPL complete.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Allowing card 1105.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Activating BPMPL on card 1105.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Card 1105 activation BPMPL complete.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Flash Card: Activating links on card 1105.
;
    tekelecstp 05-04-11 01:52:11 EST  EAGLE5 34.0.0
    Command Completed.
;
```

2. Enter the command to put the card that was inhibited in 1 back into service:

   `alw-card:loc=xxxx`

   where *xxxx* is the card location used in 1.

   Example of the output:

```
RLGHNCXA03W  00-06-05  11:11:28 EDT  EAGLE 35.0.0
Card has been allowed.
```

   Note: Allow the card to run for 5 minutes before continuing.

3. Enter the command to activate all links on the card.

   `act-slk:loc=xxxx:link=y`

   where *xxxx* is the card location identified in the output and *y* is the link.

4. Enter the command to verify all links on the card are active.

   `rept-stat-slk:loc=xxxx:link=y`

   where *xxxx* is the card location identified in the output and *y* is the link

5. Enter the command to verify the approved **GPLs** match the running **GPLs**:

`rept-stat-gpl:gpl=xxxxxxx`

where *xxxxxxx* is the **GPL** identified in the output.

6. If the **GPLs** match, you have completed this procedure.

   If the **GPLs** do not match, continue with the following step.

7. Repeat this procedure for each card that shows ALM in the output.

8. If the same card shows in an alarm condition after executing the procedure, please contact the My Oracle Support (MOS).

0573 - BERT Test Failed

This message is displayed when the **BERT** diagnostic test, which is initiated by the HIPR2 card as a part of the IMT bus alignment process, has failed. This message may indicate that a HIPR2 card has failed; it may also indicate that there is a bad high rate Fibre-Channel cable, or that the high rate Fibre-Channel cables have not been installed.

Example

```
RLGHNCXA21W 09-02-07 12:01:43 EST  EAGLE 41.1.0
**  0590.0573 ** Card 1109         BERT Test Failed
```

Alarm Level: Major

Recovery

1. Determine the status of the **HIPR2** cards using the command: `rept-stat-mux`.

   Replace any faulty HIPR2 card with a new HIPR2 card.

2. Verify that the high rate **Fibre-Channel** cables have been installed.

3. Inspect the cables and verify that the cable connections are secure.

4. The BERT test will run again during the bus alignment. Once the BERT Test is successful, the alarm will be cleared.

5. Contact the My Oracle Support (MOS) for more information.

0575 - Card type not HIPR2

This message is displayed when the HIPR2 High Rate Mode feature is ON and a non-HIPR2 card has replaced the HIPR2 card.

Example

```
RLGHNCXA21W 09-02-07 12:01:43 EST  EAGLE 41.1.0
**  0590.0575 ** Card 1309         Card type not HIPR2
```

Alarm Level: Major

Recovery

This alarm will be cleared when:

1. The HIPR/HMUX card is replaced with a HIPR2 card.

2. The HIPR2 High Rate Mode feature is turned OFF.

0576 - All FC Network Unavailable

This indicates that the FC Network is down on all FC enabled cards.

Example

```
    RLGHNCXA21W 00-12-09 12:01:43 EST  EAGLE 40.1
**  0100.0576 ** FCS                    All FC Network Unavailable
```

Alarm Level: Major

Recovery

Re-association should take place automatically.

If it does not, contact the My Oracle Support (MOS).

0588 - FC Port De-activated

This indicates that FC enabled Card CPU Idle reached Threshold level 1 and deactivated the FCS IP port (see Example 1) or if negotiation for data rate and traffic flow do not result in 100 Mbps and full duplex mode for the FC port (see Example 2).

Example 1

```
    RLGHNCXA21W 00-12-09 12:01:43 EST  EAGLE 40.1
**  0705.0588 ** DLK 1106,B1  IPSG       FC Port De-activated
                 REASON: Onset of CPU Congestion
```

Example 2

```
    RLGHNCXA21W 00-12-09 12:01:43 EST  EAGLE 40.1
**  0772.0588 ** DLK 1106,B1  IPSG       FC Port De-activated
                 REASON: Auto-Neg Fails
```

Alarm Level: Major

Recovery - Onset of CPU Congestion

No action necessary.

Recovery - Auto-Negotiation Fails

Corrective action needs to be taken at the switch to auto-negotiate successfully with Fast Copy Ports, for data rate and traffic as 100 Mbps/Full Duplex.

0592 - AIQ Subsystem is not available

The AIQ subsystem is not available. There are no IS-NR SCCP cards associated with this AIQ subsystem. The AIQ subsystem was not taken off-line via command.

Example

```
RLGHNCXA21W 00-02-10 12:01:43 EST EAGLE 42.0.0
*C  0135.0592 *C LSS AIQ      Subsystem is not available
;
```

Alarm Level: Critical

Recovery

1. Enter the following command to verify the status and location of the subsystem cards:

```
rept-stat-sccp
```

2. Enter the following command to move the **SCCP** cards to an **ACTIVE** status if loading is successful:

   ```
   rst-card:loc=xxxx
   ```

   where xxxx is the location of the **OOS-MT-DSBLD SCCP** card(s) identified in 1.

3. Enter the following command to verify the status and location of the subsystem cards:

   ```
   rept-stat-sccp
   ```

4. Verify the **VSCCP** card(s) reset in 2 are **IS-NR**.

   If not, reseat the card(s).

5. If any card(s) remain **OOS-MT**, replace the card(s).

   Refer to the *Maintenance* manual for card removal/replacement procedures.

0593 - AIQ: Subsystem is disabled

The AIQ subsystem has been manually disabled using the `inh-map-ss` command.

Example

```
RLGHNCXA21W 00-02-10 12:01:43 EST EAGLE 42.0.0
*C  1571.0593 *C LSS AIQ      Subsystem is disabled
;
```

Alarm Level: Critical

Recovery

1. Enter this command to verify the status and location of the **AIQ** subsystem cards:

   ```
   rept-stat-sccp
   ```

2. Enter this command to to reserve the subsystem number and to change the state of the **AIQ** subsystem status to on-line:

   ```
   ent-ss-appl:appl=aiq:ssn=xx:stat=online
   ```

   where *xx* is primary subsystem number.

3. Enter this command to change the state of the **AIQ** subsystem to on-line:

   ```
   alw-map-ss:ssn=xx
   ```

   where *xx* is primary subsystem number.

4. Enter this command to verify the status of the **AIQ** subsystem:

   ```
   rept-stat-sccp
   ```

0598 - Subsystem degraded, card(s) abnormal

One or more SS cards goes out of service in (N or N+1) configuration or not IS-NR.

Example

```
    RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 46.0.0
0056.0598    Subsystem   Subsystem degraded, cards abnormal
```

Alarm Level: Major.

Recovery

1. Restore the one or more SS out of service cards in (N or N+1) configuration or not IS-NR.

0619 - SIP SYSTEM is not available

This alarm indicates SIP feature is not ON and System has no SIP card that is Active/IS-NR.

Example

```
1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890

*C  0002.0619 *C SIP SYSTEM             SIP System is not available
```

Alarm Level: Critical

Recovery

1. Enter the following command to verify the status and location of the SIP card: `rept-stat-sip`.
2. Enter the following command to move the SIP card to an ACTIVE status if loading is successful: `rst-card:loc=xxx` where xxxx is the location of the SIP card identified in Step 1.
3. Enter the following command to verify the status and location of the SIP card: `rept-stat-sip`.
4. Verify the SIP card reset in 2 are ACTIVE/IS-NR.
5. If the SIP card remains INACTIVE, replace the card. Refer to *Maintenance Guide* for card removal/replacement procedures.

0620 - SIP SYSTEM is available

This message indicates that at least one SIP card is ACTIVE/IS-NR.

Example

```
1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890

    0002.0620    SIP SYSTEM             SIP SYSTEM is available
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No further action is necessary.

0622 - SIP Threshold - Level1

This **UAM** is generated when the EAGLE detects **SIP** Congestion Level 1 based on the threshold set in TH-ALM table for the SIP card.

Example

```
   1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890

    0002.0622    SIP SYSTEM             SIP Threshold - Level1
```

Alarm Level: Minor

Recovery

1. Use `rept-stat-sip` command to determine the status of the SIP SYSTEM. If the TPS is beyond the allowed limit, decrease the TPS.
2. Follow the procedures to add more SIP cards to handle the increased SIP traffic.

0623 - SIP Threshold - Level2

This **UAM** is generated when the EAGLE 5 detects **SIP** Congestion Level 2 based on the threshold set in TH-ALM table for the SIP card.

Example

```
   1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890

    0002.0623    SIP SYSTEM             SIP Threshold - Level2
```

Alarm Level: Major

Recovery

1. Use `rept-stat-sip` command to determine the status of the SIP SYSTEM. If the TPS is beyond the allowed limit, decrease the TPS.
2. Follow the procedures to add more SIP cards to handle the increased SIP traffic.

0624 - SIP Threshold Condition Cleared

This **UAM** is generated when the SIP Threshold congestion is cleared.

Example

```
   1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890

    0002.0624    SIP SYSTEM             SIP Threshold Condition Cleared
```

Alarm Level: No Alarm Condition.

Recovery

This alarm indicates a previous fault has been corrected.

No further action is necessary.

0625 - SIP SYSTEM normal, card(s) abnormal

This message indicates that the number of active SIP cards (i.e. in IS-NR state) is less than half of the configured SIP cards.

Example

```
   1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890

    0002.0625    SIP SYSTEM             SIP SYSTEM normal, card(s) abnormal
```

Alarm Level: NO alarm condition. The message is informational only.

Recovery

1. Enter the following command to determine which SIP cards are out of service: `rept-stat-sip`.
2. Use the `init-card` command to reinitialize any SIP cards OOS-MT.
3. Use the `rept-stat-sip` command again to determine if the card(s) have returned to IS-NR. If not, reseat the card(s).
4. If the SIP card remains OOS-MT, replace the card(s). Refer to *Maintenance* for card removal/replacement procedures.

0626 - SIP Threshold Level Critical

This message indicates that there is a Congestion Level of Critical based on the threshold set in TH-ALM table for the SIP card.

Example

```
   1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890

    0002.0626    SIP SYSTEM             SIP Threshold Level Critical
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. Use `rept-stat-sip` command to determine the status of the SIP SYSTEM. If the TPS is beyond the allowed limit, decrease the TPS.
2. Follow the procedures to add more SIP cards to handle the increased SIP traffic.

0627 - SFLOG SYSTEM is not available

This message indicates the system has no SFLOG card that is Active/IS_NR status.

Example

```
12345678901234567890123456789012345678901234567890123456789012345678901234567890

    *C  yyyy.0627 *C SFLOG SYSTEM              SFLOG SYSTEM is not available
```

Alarm Level: Critical.

Recovery

Activate (Active/IS-NR) any one of the SFLOG card in the system.

0628 - SFLOG SYSTEM is available

This message indicates the system has at least one SFLOG card that is Active/IS_NR status.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

    yyyy.0628    SFLOG SYSTEM               SFLOG SYSTEM is available
```

Alarm Level: Normal.

Recovery

No further action necessary.

0629 - SFLOG SYSTEM is removed

This message indicates that all SFLOG cards are deleted from the system.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

   yyyy.0629    SFLOG SYSTEM               SFLOG SYSTEM is removed
```

Alarm Level: Normal.

Recovery

No further action necessary.

0630 - Throttle Threshold - exceeded

This message indicates the Throttle threshold for a particular Throttling GTT Action has exceeded. Any new messages hitting this Throttling Action will be discarded for the remaining duration of the current 30-second window. This alarm is issued for each Throttling Action for which the threshold has exceeded.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

**  yyyy.0630 ** TA - abc               Throttle Threshold - exceeded
```

Alarm Level: Major.

Recovery

Review and modify the throttle threshold for the Throttle GTT action if it is not currently set appropriately to handle the desired traffic volume.

1. Use the `rept-stat-sfthrot` command to verify the Throttle Action status.
2. Use the `rtrv-gttact` and `chg-gttact` commands to review and modify the Throttle Action settings.

0631 - Throttle Threshold - cleared

This message indicates the Throttle threshold for a particular Throttling GTT Action, or alarm threshold for UAM 0632, has cleared.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

   yyyy.0631    TA - abc               Throttle Threshold - cleared
```

Alarm Level: Normal.

Recovery

No further action necessary.

0632 - Alarm Threshold - exceeded

This message indicates the system wide alarm threshold for the throttling GTT Action has exceeded.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

  *   yyyy.0632 *  SCCP SYSTEM               Alarm Threshold – exceeded
```

Alarm Level: Minor.

Recovery

1. Use the `rept-stat-sfthrot` command to verify the number of MSUs currently received by the throttling GTT Action in the 30-second window.

   Example of the output:

```
Command Accepted - Processing
    tklc1181001 16-01-08 05:40:53 MST  EAGLE5 46.3.0.0.0-68.8.0
    rept-stat-sfthrot
    Command entered at terminal #3.
;
    tklc1181001 16-01-08 05:40:53 MST  EAGLE5 46.3.0.0.0-68.8.0

    SCCP Cards Configured= 5      Cards IS-NR= 5
    Average CPU Usage  =  5%

    CARD   VERSION     PST             SST           AST        TPS

------------------------------------------------------------------------------

    2201   138-008-000 IS-NR           Active        -----      0
    2213   138-008-000 IS-NR           Active        -----      0
    2217 P 138-008-000 IS-NR           Active        -----      0
    2317   138-008-000 IS-NR           Active        -----      0
    1111   138-008-000 IS-NR           Active        -----      116

    PER TA TPS STATISTICS:

==============================================================================
                         CURRENT 30 SECS            PREVIOUS 30 SECS
                         -----------------------    ----------------------
    TA         STATUS    SUCCESS     DISCARD        SUCCESS     DISCARD

------------------------------------------------------------------------------
    throt1     ALLOWED   0           0              0           0
    throt2     ALLOWED   0           0              0           0

     Command Completed.
;
```

2. Use the `rtrv-gttact` command to display throttle threshold (THRESHOLD) configured for the throttling GTT Action.
3. Use the `rtrv-th-alm` command to display the system wide alarm threshold percentage (SFTHROTTHRESH) configured for throttling GTT Actions.
4. No action is required if the throttle threshold for the throttling GTT Action and system wide alarm threshold percentage for throttling GTT Actions are configured as necessary.
5. Use the `chg-gttact` command to update the throttle threshold if the throttle threshold currently configured for the throttling GTT Action is not adequate.
6. Use the `chg-th-alm` command to update the system wide alarm threshold percentage for throttling GTT Actions, if a higher alarm threshold percentage needs to be set.

0633 - Alarm Threshold - cleared

This message indicates the system wide alarm threshold has cleared.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890

   yyyy.0633    SCCP SYSTEM                Alarm Threshold - cleared
```

Alarm Level: Normal.

Recovery

No further action necessary.

0901 - Card DB load timeout, check GLS SS

This message indicates that the database of a card or subsystem has been in a transition for 9 minutes. This alarm shows the unavailability of the GLS subsystem. If the Integrated GLS feature is OFF or not yet enabled, this alarm shows that no TSM/E5-TSM is in IS-NR state or no TSM/E5-TSM card is responding to GWS requests. If the Integrated GLS feature is ON, this alarm shows that the E5-OAM cards are not performing the GLS functionality properly.

Example

```
tekelecstp 02-09-21 17:09:58 EST EAGLE5 42.0.2-63.38.33
** 0076.0901 ** CARD 1201 SS7ANSI Card DB load timeout, check GLS SS
```

Alarm Level: Major

Recovery

1. Use the `rtrv-ctrl-feat` command to check the state of Integrated GLS feature. If the Integrated GLS feature is enabled and ON, the GLS subsystem is running. Go to step 6.
2. If the Integrated GLS feature is OFF or not yet enabled, the GLS subsystem is a collection of TSM/E5-TSM cards running the GLS application. Verify that at least one TSM/E5-TSM card is in IS-NR state using the `rept-stat-card:appl=gls` command.

3. If TSM/E5-TSM card(s) are not in IS-NR state, enter the `init-card:appl=gls` command to boot the GLS subsystem.

4. Verify that the cards come back in service. Use the `rept-stat-card:appl=gls` command.

5. Run the `rept-stat-db:display=all` command to identify which cards are in transition, and note all cards that are in transition state (T column set to "Y"). If the transition is not cleared, turn the Integrated GLS feature ON again, then contact the My Oracle Support (MOS).

   Example of `rept-stat-db` command:

```
tekelecstp 02-09-21 16:01:58 EST  EAGLE5 42.0.2-63.38.33
    DATABASE STATUS: >> NOT OK (DMS) <<
            TDM 1114 ( STDBY)                TDM 1116 ( ACTV )
            C   LEVEL    TIME LAST BACKUP     C   LEVEL    TIME LAST BACKUP
            - -------- -------------------- - --------
----------------------
    FD BKUP Y       22 02-09-07 13:33:18 EST  Y        1     -        -
    FD CRNT Y       71                        Y       71
            MCAP 1113                         MCAP 1115
            - --------                        - --------
    RD BKUP -    -         -        -         -    -         -        -
    USB BKP -    -         -        -         -    -         -        -

    CARD/APPL  LOC   C  T  LEVEL       TIME LAST UPDATE   EXCEPTION
    ---------  ----  -  -  ----------  -----------------  --------------
    VSCCP      1101  Y  N  71          02-09-20 13:25:06       -
    MCP        1104  -  -      -           -        -          -
    CCS7ITU    1105  Y  N  71          02-09-20 13:25:06       -
    MCP        1107  -  -      -           -        -          -
    VSCCP      1111  Y  N  71          02-09-20 13:25:06       -
    OAM-RMV    1113  -  -      -           -        -          -
    TDM-CRNT   1114  Y  N  71          02-09-20 13:25:06       -
    TDM-BKUP   1114  Y  -  22          02-08-31 10:31:00  DIFF LEVEL
    OAM-RMV    1115  -  -      -           -        -          -
    OAM-USB    1115  -  -      -           -        -          -
    TDM-CRNT   1116  Y  N  71          02-09-20 13:25:06       -
    TDM-BKUP   1116  Y  -  1           00-00-00 00:00:00  DIFF LEVEL
```

6. If the Integrated GLS feature is ON, turn it OFF with the `CHG-CTRL-FEAT:partnum=893038901:status=OFF` command.

7. Wait for 5 minutes, and use the `rept-stat-db:display=all` command to verify that there are no cards in transition. Turn the Integrated GLS feature back on using the `CHG-CTRL-FEAT:partnum=893038901:status=ON` command.

8. If the problem persists, contact the My Oracle Support (MOS).

0903 - IP Link A is down

This message indicates that an **IP** application socket is out of service due to a **IP** link down (ethernet problem) or due to the signaling link being deactivated.

Example

```
   RLGHNCXA03W 01-01-10 16:28:08 EST EAGLE 35.0.0
** 0046.0903  ** CARD 1111  EBDADCM   IP Link A is down
```

Alarm Level: Major

Recovery

1. Enter the following command to determine the **IP** address of the link:

   `rtrv-ip-lnk:loc=xxxx:port=a`

   Where *xxxx* is the card identified in the alarm output.

2. Enter the following command to retrieve the name of the local host:

   `rtrv-ip-host:ipadr=xxxx.xxxx.xxxx.xxxx`

   Where *xxxx.xxxx.xxxx.xxxx* = the link **IP** address from 1.

3. Enter the following command to get the name of the remote host:

   `rtrv-appl-sock:lhost=xxxxxxxx`

   Where *xxxxxxxx* = local host name from 2.

4. Enter the following command to test the **TCP/IP** connection:

   `pass:loc=xxxx:cmd="ping yyyyyyyyyy"`

   Where: *xxxx* = **Card** location from the alarm output. *yyyyyyyyyy* = logical name of the remote host from 3.

5. If the `ping` command fails, perform the following checks:

   a. Check the remote host hardware and software.

   b. Use your company procedures to check the network.

   c. Check cable connections at the **IP**[7] Secure Gateway and at the remote host.

6. If the **UNAVAILREASON** still indicates an alignment problem, enter the following command:

   `rept-stat-slk:loc=xxxx:port=a`

   Where *xxxx* is the card identified in the alarm output. If the **DCM** card is not **OOS-MT**, proceed to 8.

7. If the **DCM** card is **OOS-MT**, do the following, using the `rept-stat-card` command to check for card **IS-NR** state after each action:

   a. Reinitialize card using the `init-card` command.

   b. Reseat the card.

   c. Replace the card.

      Refer to the *Maintenance* manual for card removal/replacement procedures.

8. If the fault is not cleared, contact the My Oracle Support (MOS).

0905 - IP Link B is down

This message indicates that an **IP** application socket is out of service due to a **IP** link down (ethernet problem) or due to the signaling link being deactivated.

Example

```
   RLGHNCXA03W 01-01-10 16:28:08 EST EAGLE 35.0.0
** 0046.0905 ** CARD  1111 EBDADCM    IP Link B is down
```

Alarm Level: Major

Recovery

1. Enter the following command to determine the **IP** address of the link:

   `rtrv-ip-lnk:loc=xxxx:port=b`

   Where *xxxx* is the card identified in the alarm output.

2. Enter the following command to retrieve the name of the local host:

   `rtrv-ip-host:ipadr=xxxx.xxxx.xxxx.xxxx`

   Where *xxxx.xxxx.xxxx.xxxx* = the link **IP** address from 1.

3. Enter the following command to get the name of the remote host:

   `rtrv-appl-sock:lhost=xxxxxxxx`

   Where *xxxxxxxx* = local host name from 2.

4. Enter the following command to test the **TCP/IP** connection:

   `pass:loc=xxxx:cmd="ping yyyyyyyyyy"`

   Where: *xxxx* = **Card** location from the alarm output. *yyyyyyyyyy* = logical name of the remote host from 3.

5. If the `ping` command fails, perform the following checks:

   - Check the remote host hardware and software.
   - Use your company procedures to check the network.
   - Check cable connections at the **IP**[7] Secure Gateway and at the remote host.

6. If the **UNAVAILREASON** still indicates an alignment problem, enter the following command:

   `rept-stat-slk:loc=xxxx:port=b`

   Where *xxxx* is the card identified in the alarm output. If the **DCM** card is not **OOS-MT**, proceed to 8.

7. If the **DCM** card is **OOS-MT**, do the following, using the `rept-stat-card` command to check for card **IS-NR** state after each action:

   - Reinitialize card using the `init-card` command
   - Reseat the card
   - Replace the card

   Refer to the *Maintenance* manual for card removal/replacement procedures.

8. If the fault is not cleared, contact the My Oracle Support (MOS).

0908 - HW cannot support purchased TPS rate

This message indicates that the purchased transactions per second (**TPS**) rate running on the **DCM**(s) is higher than can be supported by you current hardware.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 5.0.0-32.0.0
** 0100.0908 ** CARD 1101 SS7IPGW  HW cannot support purchased TPS rate
               ASSY SN:  102199815a1234
```

RLGHNCXA21W 00-02-07 12:01:43 **EST EAGLE** 5.0.0-32.0.0

** 0100.0908 ** **CARD** 1101 **SS7IPGW HW** cannot support purchased **TPS** rate

ASSY SN: 102199815a1234

Alarm Level: Major

Recovery

1. Upgrade your **DCM** hardware.

   This alarm can be cleared only when the concerned **DCM** hardware is unplugged.

2. Contact the My Oracle Support (MOS), for information about upgrading your **DCM** hardware.

0911 - Dynamic database is inconsistent

The dynamic database (**DDB**) audit (whether running automatically or on-demand) has detected that checksums are inconsistent. This means that one or more cards do not concur with the current network configuration. (The UIM lists a maximum of four affected cards.)

The dynamic database audit looks for checksum errors in dynamic database tables on **LIM** and **Service Module** cards. The fixed database, which is entered via the OAM card, includes all provisionable tables and options. The dynamic database has information about the *state* of those static-database entries (for example, which links are actually available). Each LIM and Service Module card has a copy of the fixed database and the dynamic database. The entries in the tables in the dynamic database on each card change as network conditions change. Cards calculate and record dynamic database checksums in real time as updates are applied.

If the dynamic database is being updated during the dynamic database audit, then the inconsistent checksums might not indicate a true problem. To ensure that all dynamic database changes have been received and applied, the OAM processes audit replies after a required quiet period.

Note:

You can use the “DDBAUDTIMER” SS7OPTS option to enable and disable the background audit.

Typically, when the dynamic database copies are consistent among all the cards except one, then there is a problem on that one card. It is possible, however, for one card to have the correct information when the other cards do not (for example, a card might have a link on it that is actually available when the other cards incorrectly show the

link as unavailable). When this alarm occurs, further troubleshooting is necessary to determine the actual status of the routes, links, linksets, and subsystems.

Example

```
    RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 41.0
**  0100.0911 ** SYSTEM                  Dynamic database is inconsistent
                 Card 1101, 1102, 1107, 1108, ... (3 others)
```

Alarm Level: Major

Recovery

The Eagle cannot automatically determine which cards are inconsistent. Do the following to address a dynamic-database inconsistency alarm:

1. Run the `rept-stat-ddb` command to display the last dynamic database audit report.
2. Initialize the affected cards identified in the dynamic database audit report:
   a. If a small number of cards are reported inconsistent, initialize them using the `init-card:loc=` command. You should initialize the affected cards immediately.
   b. If all cards of the same type report inconsistencies, initialize them using the `init-card:appl=`command.

   Caution: This command could affect service as it will boot all the appl cards at the same time (for example, the command could cause loss of SCCP if the `init-card:appl=VSCCP`command is run).
3. Run the `rept-stat-card:mode=full:loc=` command on each card identified as inconsistent to verify the card is **IS-NR**.
4. If a large number of cards of various types report inconsistent, you might need to issue the `init-network` or the `init-sys` command to clear the inconsistency.

   Caution: These commands*will* cause a nodal outage.
5. After the cards are initialized, run the `aud-data:type=DDB` command. If the report shows no inconsistency, then the problem is fixed.
6. Next, you can use the `dbg-ddb` command to troubleshoot the problem. The parameters to use in the `dbg-ddb` command depend on the type of dynamic database update that was missed (route/link/linkset).

   When a system reports dynamic database inconsistencies, first check the IMT buses statistics to make sure they are clean. This is important because multicast updates resulting from network activity transit via the IMT buses and any outstanding issue on this part of the system may lead some cards to miss the updates and OAM to report dynamic database inconsistencies. When a checksum is identified to be incorrect and is updated by a wild write audit, you may want to know that a dynamic database inconsistency reported on a card was due to a wild write (rather than any other cause, such as a missed multicast). In the scenario where one or a group of cards miss a dynamic database update related to a network state change, then the counter collecting the total number of update misses is incremented. Use the `dbg-ddb` command to retrieve this counter.

7. Contact the My Oracle Support (MOS).

UIMs

The following are UIMs that may be displayed.

1000 - MTP rcvd UPU - user part is not SCCP

The system forwarded a unit data (**UDT**) message to a distant node that does not support **SCCP**. In response, the distant node sent back a user part unavailable (**UPU**) message.

The message provides the affected point code (which sent the **UPU**), as well as the service information octet (**SIO**) field of the message and the cause code.

All fields are in decimal values. The **SIO** field values applicable to this message are:

03 – **SCCP**

04 – Telephone User Part (**TUP**)

05 – **ISDN** User Part (**ISUP**)

06 – Data User Part (call and circuit related messages)

07 – Data User Part (facility registration and cancellation)

08 – **MTP** Testing User Part

The message also provides the value for the User Part that was unavailable (**UPU**=). The values shown above apply to this field as well.

The Cause Codes (Unavail Cause =) applicable to this message are:

000 – Unknown

001 – Unequipped Remote User

002 – Inaccessible User Part

Unequipped remote user indicates the distant node is not equipped for **SCCP**. Inaccessible user part indicates that the distant node is equipped with **SCCP** capability, but there has been a failure in **SCCP** making it impossible to handle messages sent to it by **MTP**.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.1000    CARD 1201,A  INFO   MTP rcvd UPU - user part is not SCCP
SIO=03   OPC=003-232-000  DPC=001-004-000
AFTPC=004-000-001  UPU=03  UNAVAIL CAUSE=001
LSN=A1234567
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1020 - IARCDPN NPP Service is off

This message is issued when the IARCDPN NPP service is called for at run-time, but the service status is currently set to OFF instead of ON.

Example

```
RLGHNCXA21W 09-07-21 16:20:19 EST  EAGLE 41.1.0
0002.1020    CARD 1113     INFO      IARCDPN NPP Service is off
             Report Date:09-07-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Use the `chg-npp-serv` command to change the service status to ON. Enter `chg-npp-serv:srvn=iarcdpn:status=on`.

1021 - IARCGPN NPP Service is off

This message is issued when the IARCGPN NPP service is called for at run-time, but the service status is currently set to OFF instead of ON.

Example

```
RLGHNCXA21W 09-07-21 16:20:19 EST  EAGLE 41.1.0
0002.1021    CARD 1113     INFO      IARCGPN NPP Service is off
             Report Date:09-07-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Use the `chg-npp-serv` command to change the service status to ON. Enter `chg-npp-serv:srvn=iarcgpn:status=on`.

1022 - System Meas. limit exceeded for LSONISMT

This **UIM** alarm is issued when the either of these limits is exceeded:

- Maximum of 3000 **LSONISMT** measurements, or
- Maximum of 100 **ISUP** message type measurements per linkset.

Example

```
RLGHNCXA21W 00-04-18 19:09:14 EST  EAGLE 31.3.0
0140.1022  SYSTEM  INFO   System Meas. limit exceeded for LSONISMT
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. Each link in a linkset collects measurements for 100 **ISUP** message type measurements.

   Only the first 100 types collected per linkset are reported. Those links that are not reported in the **LSONISMT** Report have their counts added to the totals in the **LSORIGNI** Gateway Report and the **STP** Report (*MSUDSCRD* field).

2. If the system total exceeds 3000, only the first 3000 collected are reported in the **LSONISMT** Gateway Report.

   Any counts not included in this report are added to the totals in the **LSORIGNI** Gateway Report and the **STP** Report (*MSUDSCRD* field).

1026 - System Meas Limit exceeded for LSORIGNI

This gateway related data has exceeded its threshold for the accumulation interval.

Example

```
RLGHNCXA21W 00-04-18 19:05:43 EST  EAGLE 31.3.0
0128.1026    CARD 1105  INFO   System Meas Limit exceeded for LSORGNI
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1027 - System Meas Limit exceeded for LSDESTNI

This gateway related data has exceeded its threshold for the accumulation interval.

Example

```
RLGHNCXA21W 00-04-18 19:05:43 EST  EAGLE 31.3.0
0128.1027    CARD 1105  INFO   System Meas Limit exceeded for LSDESTNI
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1028 - System Meas. Limit exceeded for ORIGNI/NINC

This gateway related data has exceeded its threshold for the accumulation interval.

Example

```
RLGHNCXA21W 00-04-18 19:05:43 EST  EAGLE 31.3.0
0128.1028   CARD 1105  INFO   System Meas. Limit exceeded for ORIGNI/NINC
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1030 - Inh EIR SS request already outstanding

An `inh-map-ss` command is already entered and queued.

For more information about the `inh-map-ss` command, refer to the *Commands Manual*.

Example

```
RLGHNCXA21W 03-08-18 19:09:14 EST  EAGLE 31.3.0
0140.1030  CARD 1201  INFO  Inh EIR SS request already outstanding
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1031 - Failure Inhibiting EIR SS

The `inh-map-ss` command was unsuccessful in taking the **EIR** subsystem off-line. For more information about the `inh-map-ss` command, refer to the *Commands Manual*.

Example

```
RLGHNCXA21W 03-08-18 19:09:14 EST  EAGLE 31.3.0
0140.1031  CARD 1201  INFO  Failure Inhibiting EIR SS
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Enter the `inh-map-ss` command specifying the `force=yes` parameter.

1032 - Set ETS Mismatch

There is a discontinuity between the **ETS** broadcast and what the card expects. A discontinuity can occur when both **OAM** cards are booted at the same time and **ETS** gets reset to zero.

Example

```
RLGHNCXA21W 03-08-18 19:09:14 EST  EAGLE 31.3.0
0140.1032  CARD 1201  INFO  Set ETS Mismatch
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

The affected **LIM/ATM/STC** card recalibrates to the new **ETS** value and should continue to operate correctly.

If not, this is a reference point for possible invalid timestamps to Sentinel.

1061 - Meas sync not allowed from old version

This **UIM** is generated when the secondary **MCP** receives measurements data from a primary **MCP** that is running an older version of the software. This message indicates that measurements data was discarded by the secondary **MCP** due to the version mismatch. This problem occurs during a system upgrade to a new release.

Example

```
RLGHNCXA21W 00-04-18 19:09:14 EST  EAGLE 31.4.0
0140.1061  CARD 1201  INFO   Meas sync not allowed from old version
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

This **UIM** should only occur during an upgrade.

Complete the upgrade per approved procedure.

1062 - String Data Dump

A **screen set** was created with too many rows.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
    9912.1062    CARD 1113     INFO    a50 too large
         Report Date:14-08-01  Time:13:32:14
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. This message indicates that the **screen set** is too large to be loaded.

   Remove some of the entries (one entry at a time).

2. If the screen set is still too large, use the `rtrv-scrset` command to see if there are any unnecessary entries already in the screen set that can be deleted.

3. Retry adding to the screen set with the `chg-scrset` command.

   If the message appears again, your screen set is too large. Try a different screen set or change the existing screen set.

1063 - SCCP screen set is too large

The screen set is too large to fit on a **LIM** or **SCCP** card and has failed loading.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
    5946.1063    CARD 1113     INFO    SCCP screen set is too large
         Report Date:14-08-02  Time:17:01:45
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. This message indicates that the screen set is too large to be loaded to a **LIM** or **SCCP**.

   Remove some of the entries (one entry at a time).

2. If the screen set is still too large, use the `rtrv-scrset` command to see if there are any unnecessary entries already in the screen set that can be deleted.

3. Retry adding to the screen set with the `chg-scrset` command.

   If the message appears again, your screen set is too large. Try a different screen set or change the existing screen set.

1072 - SLTC failure: no response

The signaling link test control has reported “No Response” received for a signaling link test message (**SLTM**) sent to the far end.

Example

```
tekelecstp 13-07-11 06:06:31 EST  EAGLE5 44.0.4-64.34.24
5757.1072    CARD 4205,B1  INFO    SLTC failure: no response
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Contact the far-end to find out why there is no response to the **SLTM**.

1075 - MTP: link bypassed SLT phase

The link has aligned and may be brought into service without a successful signaling link test (**SLT**).

Example

```
RLGHNCXA21W 00-04-18 19:09:14 EST  EAGLE 31.3.0
0140.1075    CARD 1201,A  INFO   MTP: link bypassed SLT phase
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. Enter the `rtrv-slk` command with the card location and port shown in this message (for example, card location 1201, port A).

   Example of the output:

   ```
   tekelecstp 00-02-19 21:17:04 EST EAGLE 35.0.0
   rtrv-slk:loc = 1202:port = a
   Command entered at terminal #3.
   tekelecstp 94-02-19 21:17:04 EST EAGLE 35.0.0
                                        L2T         L1               PCR  PCR
   LOC  PORT LSN         SLC TYPE     SET  BPS    MODE TSET  ECM   N1   N2
   1201 A    lsa1         0  LIMV35   2    64000  DTE  ---   PCR   ---  3800
   ```

2. Use the `rtrv-ls` command using the linkset name (lsn) displayed in the output of 1.

   Example of the output:

   ```
   >  rtrv-ls:lsn = lsa1
   tekelecstp 00-06-10 11:43:04 EST EAGLE 35.0.0
                             SCR   L3T  SLT
       LSN       APCA (SS7)   SET   SET  SET BEI  LST LNKS GWSA GWSM GWSD DOMAIN
       lsa1      240-020-000  scr1  1    1   yes  A   4    off  off  off  SS7
                 TFATCABMLQ
                 2
                                      L2T          L1              PCR  PCR
                 LOC   PORT SLC TYPE     SET  BPS    MODE TSET  ECM   N1   N2
                 1201  a    3   LIMV35   2    64000  DTE  ---   BASIC ---  -----
                 1205  b    0   LIMDS0   1    56000  ---  ---   BASIC ---  -----
                   b    1   LIMOCU   1    56000  ---  ---   BASIC ---  -----
                 1211  a    2   LIMDS0   1    56000  ---  ---   BASIC ---  -----
       Link set table is (114 of 255) 45% full.
   ```

3. Enter the `rtrv-slt` command with the `sltset` parameter and the value shown in the **SLTSET** column from the output of Step 2 to determine whether the signaling link test message is on or off.

4. If the signaling link test message is off, enter the `chg-slt` command with the **sltset** parameter and the value used in Step 3, and the **enabled=on** parameter.

5. If the signaling link test message is on, enter the `rept-stat-card` command to verify the status of the card that contains the specified signaling link.

   The status of the card should be **IS-NR** (In-Service - Normal).

6. If the card is out of service, put it back into service by entering the `rst-card` command.
7. If the fault is not cleared, enter the `rept-stat-slk` command to verify the status of the signaling link.

   The status of the signaling should be **IS-NR** (In-Service - Normal).
8. If the signaling link is out of service, enter the `act-slk` command to put the signaling link back into service.
9. If the fault is not cleared, enter the `tst-slk` command specifying the signaling link that generated this message.
10. If the fault is not cleared, contact the My Oracle Support (MOS).

1080 - disk measurement status unreadable

The active **MASP** could not determine the measurement collection status so that the measurements task could perform routine polling and measurement collection. If the measurement collection status cannot be determined, the routine polling and measurement collection tasks cannot be performed.

Example

```
RLGHNCXA21W 00-04-18 19:10:54 EST  EAGLE 31.3.0
0145.1080    CARD 1116  INFO   disk measurement status unreadable
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. Enter the `rept-meas` command.

   If the `rept-meas` command fails, a system problem is the likely cause.

   a. If any messages are generated with the `rept-meas` command failure, take the appropriate action for that message.

   b. If no messages are generated, contact the My Oracle Support (MOS).
2. If the `rept-meas` command is rejected with a system busy message, the disk is reserved by another command (for example, `copy-disk`).

   Check to see if another command is running (`copy-disk` or a `chg-db` command).

1081 - MTP: Changeback T5 timeout

When a link changes back, the EAGLE 5 ISS sends up to six changeback declaration messages and starts the T4 timer. The EAGLE 5 ISS waits for a changeback acknowledgment message for each of these declarations. If the T4 timer expires before the EAGLE 5 ISS receives an acknowledgment message, the EAGLE 5 ISS sends the changeback declaration message again and starts the T5 timer. If the T5 timer expires before the EAGLE 5 ISS receives an acknowledgment message, this message is generated and the EAGLE 5 ISS restarts traffic on the link.

Example

```
RLGHNCXA21W 00-04-18 19:11:03 EST  EAGLE 31.3.0
0146.1081    CARD 1105, A  INFO   MTP: Changeback T5 timeout
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

The system restarts traffic and no further action is necessary.

1082 - Amem single bit error report

This message indicates that an SCCP, GLSHC, SIP or S13 (DEIR) card encountered a single bit dynamic ram error. This message gives the user a record of single bit errors for the last 24 hours.

Example

```
RLGHNCXA21W 14-05-18 19:12:00 EST  EAGLE 46.0.0
0147.1082    CARD 1101       INFO   Amem single bit error report
Any Errors      :  YES    current hour-------v
24 Hour History :  NNNYNN NNNNNN NNNNYN NYNNNY
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

There is no immediate action needed, but the message indicates that the error was encountered and corrected.

If many errors are reported then the card may be beginning to fail and should be targeted for replacement in the future.

1083 - REPT COND: system alive

This message is a periodic system message indicating that the system is alive.

Example

```
RLGHNCXA21W 00-04-18 19:12:00 EST  EAGLE 31.3.0
0147.1083    SYSTEM       INFO   REPT COND: system alive
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1086 - LFS test aborted with OAM switchover

The link fault sectionalization (**LFS**) test aborted with **OAM** switch over.

Example

```
RLGHNCXA21W 14-05-18 19:11:03 EST  EAGLE 46.0.0
1111.1086 CARD 1115 LFS test terminated with OAM switch over
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1087 - MTP RSTRT rcvd unexpected user traffic

This message indicates the system encountered traffic during the **MTP** Restart process.

Example

```
RLGHNCXA21W 00-04-18 19:12:00 EST  EAGLE 31.3.0
0147.1087    CARD 1101     INFO   MTP RSTRT rcvd unexpected user traffic
Report Date:00-03-30      Time:  16:27:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

There is no immediate action needed, but the message indicates that the error was encountered.

1088 - REPT-MTP-RSTRT MTP Restart started

This message indicates that a full **MTP** Restart has begun.

Example

```
RLGHNCXA21W 00-04-18 19:12:00 EST  EAGLE 31.3.0
0147.1088    CARD 1101     INFO   REPT-MTP-RSTRT MTP Restart started
Report Date:00-03-30      Time:  16:27:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

There is no immediate action needed, but the message indicates that **MTP** Restart has begun.

1089 - RCVRY-MTP-RSTRT MTP Restart completed

This message indicates a full **MTP** Restart is complete.

Example

RLGHNCXA21W 00-04-18 19:12:00 **EST EAGLE** 31.3.0

0147.1089 **CARD** 1101 **INFO RCVRY-MTP-RSTRT MTP** Restart completed

Report Date:00-03-30 Time: 16:27:19 :

Alarm Level: No alarm condition. The message is informational only.

Recovery

There is no immediate action needed, but the message indicates that **MTP** Restart is complete.

1095 - ITU GWY:GRS buffer full

This message indicates the circuit group reset (**GRS**) buffer is full.

Example

```
station5 00-04-18 19:12:00 EST  EAGLE 31.3.0
0110.1095    CARD 1205,B  INFO   ITU GWY:GRS buffer full
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

There is no immediate action needed, but the message indicates that the error was encountered.

1096 - ITU GWY:RSC buffer full

This message indicates the reset circuit (**RSC**) buffer is full.

Example

```
station5 00-04-18 19:12:00 EST  EAGLE 31.3.0
0110.1096    CARD 1205,B  INFO   ITU GWY: RSC buffer full
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

There is no immediate action needed, but the message indicates that the error was encountered.

1097 - ITU GWY:CGB buffer full

This message indicates the circuit group blocking (**CGB**) buffer is full.

Example

```
station5 00-04-18 19:12:00 EST  EAGLE 31.3.0
0110.1097    CARD 1205,B  INFO   ITU GWY: CGB buffer full
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

There is no immediate action needed, but the message indicates that the error was encountered.

1098 - Unexpected disk access timeout

This message is used to determine whether there are problems with the disk access system.

Example

```
station5 00-04-18 19:12:00 EST  EAGLE 31.3.0
0110.1098    CARD 1113    INFO   Unexpected disk access timeout
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

If the target disk is the same **CARD** that corresponds to the **GPSM-II**, there is a software timing issue that needs to be addressed.

If the target disk is the mate **GPSM-II**/**TDM** or the removable and access is physically impossible, no action is necessary.

1099 - String Data Dump

This is a generic UIM. The informational message in the UIM varies.

Example

```
FTP Transfer Failed due to network congestion
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1101 - SDRAM Single Bit Error Report

This message indicates SDRAM memory on HIPR (or IMTPCI) is detecting Single Bit Errors (SBEs). This may be an indication that the card should be replaced (memory becoming faulty) before Multi Bit Errors (MBEs) begin to occur, which results in an OBIT of the card.

Example

```
RLGHNCXA21W 02-07-21 16:20:19 EST EAGLE 35.0
0024.1101    CARD 1109     INFO      SDRAM single bit error report
             Any Errors      : YES     current hour------v
             24 Hour History : NNNYNN NNNNNN NNNNYN NYNNNY
             Microengine Count : 12345678
             PCI         Count : 12345678
             StrongARM   Count : 12345678
             Report Date:02-07-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

The card generating the error may need replacement. Refer to the *Maintenance* manual for card removal/replacement procedures. Contact the My Oracle Support (MOS).

1104 - IP Connection Failed

Reports that either an attempt to connect to an **IP** server failed, or that a client socket failed to establish a connection with the system (**IP7** Secure Gateway).

Example

```
RLGHNCXA03W 99-04-10 16:28:08 EST EAGLE 35.0.0
0003.1104 DCM 1213,A IP Connection Failed
          RIPADDR = 123.123.123.123
          RPORT = 1314
          LIPADDR = 123.123.123.124
          LPORT = 1315
          SNAME=LONGSOCKETNAME1
          Report Date: 02-04-10 Time: 16:27:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

Reports on connection status can be obtained for each **DCM** card with the following commands:

`pass:loc=xxxx:cmd="connmgr -l"` displays the connection manager event log.

`pass:loc=xxxx:cmd="connmgr -c"` displays socket client data.

`pass:loc=xxxx:cmd="connmgr -s"` displays socket server data.

1105 - REPT EVT:IMT GPL reloading

This message indicates the **IMT** software download procedure is initiated. This is the first message that the system displays.

Example

```
RLGHNCXA21W 00-04-18 18:59:58 EST EAGLE 31.3.0
0105.1105 SYSTEM INFO REPT EVT:IMT GPL reloading
          cards loaded : 1 of 25
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1106 - REPT COND:IMT GPL reloading

This message displays the progress of the **IMT** software downloading procedure.

Example

```
RLGHNCXA21W 00-04-18 18:59:58 EST EAGLE 31.3.0
0105.1106 SYSTEM INFO REPT COND:IMT GPL reloading
          cards loaded : 10 of 25
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1114 - Database BACKUP started

A local database backup is beginning. This **UIM** follows the issue of the `chg-db:action=backup` command.

Example

```
RLGHNCXA21W 00-06-18 19:12:00 EST EAGLE 31.3.0
0147.1114 CARD 1201,A INFO Database BACKUP started
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1115 - Database RESTORE started

A local database restore is beginning. This **UIM** follows the issue of the `chg-db:action=restore` command.

Example

```
RLGHNCXA21W 00-06-18 19:12:00 EST EAGLE 31.3.0
0147.1115 CARD 1201,A INFO Database RESTORE started
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1116 - Database action ended - OK

A local database backup or restore has successfully completed. This **UIM** follows the issue of the `chg-db` command.

Example

```
RLGHNCXA21W 00-06-18 19:12:00 EST EAGLE 31.3.0
0147.1116 CARD 1201,A INFO Database action ended - OK
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1117 - Database action ended - FAIL

This error message indicates that one or more cards specified in the `init-flash/act-flash` command is out of phase with the command.

Example

```
RLGHNCXA21W 00-06-18 19:12:00 EST EAGLE 31.3.0
0147.1117 CARD 1201,A INFO Database action ended - FAILED
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1118 - TOD change affects MEAS collection

This message indicates that due to a time change, the measurements in a specific period may be inaccurate.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
    0020.1118    CARD 1106     INFO      TOD change affects MEAS collection
                 Report Date:02-07-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1119 - Cards out of phase with flash procedure

This message indicates that the collection sequence has been disrupted and the 60-minute and/or 30-minute data may be inaccurate.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
0020.1119    CARD 1115     INFO      Cards out of phase with flash procedure
                                                 Card List: 1101, 1201, 1302,
2103, 2204, ... (2 others)
                 Report Date:02-07-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1120 - TRBL Queue is full:elements overwritten

This message indicates that too many **UIMs** per second are being output. One or more might be lost.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
0014.1120 CARD 1113 INFO RBL Queue is full;elements overwritten
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1124 - SIP: Dgts truncated in 302 response

SIP 302 response shall encode only 30 digits in dialed string/telephone number and 25 digits in RN. The remaining digits shall be truncated.

Example

```
12345678901234567890123456789012345678901234567890123456789012345678901234567890
    0014.1124    CARD 1103,B   INFO      Dgts truncated in 302 response
                 CNAME= conn1
                 Branch ID = z9hG4bKnashds8
                 RURI: INVITE sip:+1 206 555-0146@127.0.0.1:5070;user=phone

                 Report Date:10-10-12  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No further action is required.

1132 - SLAN DLK ping test completed

This message indicates that the manual **TCP/IP** ping test has completed. The ping test is initiated by the `tst-dlk` command.

Example

```
RLGHNCXA21W 00-06-18 19:12:00 EST EAGLE 31.3.0
0147.1132 CARD 1201 INFO SLAN DLK ping test completed.
TESTS REQUESTED= 0 PASSED COUNT=0 FAILED COUNT =00
AVR RND TRIP=0 MAX RND TRIP=06 MIN RND TRIP=0 HOST IPADDR =194.4.201.50
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. If the test passes with **FAILEDCOUNT** = 00, no further action is necessary.

2. If the test fails:
   a. confirm that **IP** addresses are correct
   b. confirm with the end user that their equipment and software is up and functioning properly
   c. have the end user check their network and their cable connections
   d. check the cable connections at the EAGLE 5 ISS
   e. Contact the My Oracle Support (MOS).

1133 - Diameter msg decode failed

This message indicates that the Diameter message parsing has failed. This may be cause by:

- ECR Message does not have IMEI AVP or a value in IMEI AVP
- CER Message does not have mandatory AVP present
- DPR message received does not have disconnect cause AVP present

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
    xxxx.1133    CARD 1103,B   INFO     Diameter msg decode failed
                 DCNAME= dcon1
                 Command Code=(R)            AVP Code=
                 Origin Host= host1
                 Error Cause= avp not present
```

Alarm Level: No alarm condition. The message is informational only.

1134 - Diameter msg encode Failed

This message indicates that the Diameter message Encoding has failed.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
    xxxx.1134    CARD 1101,B INFO     Diameter msg encode failed
                 DCNAME=dcon2
                 Command Code= (A)
                 Origin Host=host1
                 Error Cause=Invalid IMEI digits
```

Alarm Level: No alarm condition. The message is informational only.

1135 - Invalid diameter Msg received

This message indicates that the Diameter message received is not supported by the EAGLE.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
```

```
    xxxx.1135    CARD 1101,B INFO     Invalid Diameter Msg received
                 DCNAME= dcon1
                 Command Code= 4022 (R)
                 Origin Host=---
                 Error Cause=---
```

Alarm Level: No alarm condition. The message is informational only.

1136 - Invalid Diameter Msg length

This message indicates one of the following conditions:

1. The total Diameter message length specified in the diameter header does not match the actual diameter message length.
2. The diameter message length is greater than the maximum length of 448 bytes supported by current EIR S13/S13's implementation.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
    xxxx.1136    CARD 1101,B INFO     Invalid Diameter Msg length
                 DCNAME= dcon1
                 Command Code=  (R)
                 Origin Host=---
                 Error Cause=---
```

Alarm Level: No alarm condition. The message is informational only.

1137 - Diameter AVP Decode Fail

This message indicates an invalid length for the IMEI/IMSI AVP has received.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
    xxxx.1137    CARD 1101,B INFO     Diameter AVP Decode Fail
                 DCNAME= dcon1
                 Command Code=  (R)          AVP Code=
                 Origin Host=---
                 Error Cause=AVP Decode Error
```

Alarm Level: No alarm condition. The message is informational only.

1138 - Connection Refused

This message indicates that the Origin host and Origin Realm AVPs in the CER message does not match the host and real values provisioned in the IPAPSOCK table. The Source IP Address of the CER does not match the IP Address present in the Host-IP-Address AVP. This may be cause by:

- Origin Host Mismatch
- Origin Realm Mismatch
- IP Address Mismatch
- No common Application

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
    xxxx.1138    CARD 1101,B INFO     Connection Refused
                 DCNAME= dcon1
                 Command Code=  (R)
                 Origin Realm=aricent.com
                 Error Cause=Origin Realm Mismatch
```

Alarm Level: No alarm condition. The message is informational only.

1139 - DEIROPTS: DEIR Global Response is ON

This message indicates that the DEIR Global response is ON.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
    6056.1139    CARD 1115     INFO    DEIROPTS: DEIR Global Response is ON
```

Alarm Level: No alarm condition. The message is informational only.

1140 - DEIROPTS: DEIR Global Response is OFF

This message indicates that the DEIR Global response is OFF.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
    6056.1140    CARD 1115     INFO    DEIROPTS: DEIR Global Response is OFF
```

Alarm Level: No alarm condition. The message is informational only.

1141 - AIN INP Qry rejected: AINPQ is OFF

The EAGLE 5 ISS has rejected an **ANSI INP** query that is decoded as an **AIN** query because the appropriate **AINPQ** (**ANSI INP** Query) feature key is not on.

Example

```
6812.1141    CARD 1103     INFO    AIN INP Qry rejected: AINPQ is OFF
                 TRANSLATED PC= 001-001-001        TRANSLATED SS=002
                 CDPA:  NI=0  RI=0  GTI=02  SSNI=1  PCI=1
                        TT=006  NP=--  NAI=---  ADDR=234567
                        PC=   003-003-001    SSN=002
                 CGPA:  NI=0  RI=1  GTI=00  SSNI=1  PCI=1
                        PC=   002-002-001    SSN=002
                 LSN=ls221
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. If you want to support the **AINPQ** feature, issue the following commands to process `ANSI AIN` queries: `enable-ctrl-feat:partnum: 893017801:fak=<ANSI-41 INP Query FAK>`
2. Enter `chg-ctrl-feat:partnum:893017801:status=on` command.

3. If you do not want to support the **AINPQ** feature, ignore this informational message.
4. For additional information or assistance about the **AINPQ** or any feature to purchase, contact the My Oracle Support (MOS).

1142 - GWS Strip Stop Action Failed

GWS Strip stop action has failed to de-encapsulate the MSU.

Example

```
6812.1142    CARD 1103     INFO      GWS Strip Stop Action Failed
                Report Date:13-10-10  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. Send the redirected MSU for the STRIP action to be applied.
2. Verify that the filtering criteria of the 'STRIP' action matches the parameters encoded by REDIRECT stop action.

1143 - GTT(FLOBR) failure: duplicate settype

This message indicates that any one of the MBR GTT Settypes (IMSI\MSISDN\VLRnb \SMRPOA\SMRPDA) is found twice in the FLOBR search path, and the fallback is set to "NO" in the last matched translation. This results in GTT failure.

Example

```
    0018.1143    CARD 1103     INFO      GTT(FLOBR) failure: duplicate
settype
                 SIO=03 OPC=4-123-5 DPC=6-018-7
                 CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                        TT=25   NP=04  NAI=010  ADDR=123456789012345678901
                        PC=3-026-5           SSN=005
                 CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                        TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                        PC=-----------       SSN=004
                        LSN=ls2314n2 GTTSETIDX=211 215
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. Update the FLOBR GTT search path configuration via the `chg-gta` command so that the same MBR GTT settype is not encountered in the search path again.

1144 - GTT(FLOBR) warning: duplicate settype

This message indicates that any one of the MBR GTT Settypes (IMSI\MSISDN\VLRnb \SMRPOA\SMRPDA) is found twice in the FLOBR search path, and the fallback is set to "Yes" in the last matched translation. GTT is then performed on the basis of the last matched translation. This is a successful scenario.

Example

```
    0028.1144    CARD 1103     INFO      GTT(FLOBR) warning: duplicate settype
                 SIO=03 OPC=4-123-5 DPC=6-018-7
```

```
                  CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                         TT=25   NP=04  NAI=010  ADDR=123456789012345678901
                         PC=3-026-5           SSN=005
                  CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                         TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                         PC=-----------       SSN=004
                         LSN=ls2314n2 GTTSETIDX=211 215
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. Update the FLOBR GTT search path configuration via the `chg-gta` command so that the same MBR GTT settype is not encountered in the search path again.

1145 - MBR decoding failed

This message indicates that there is a problem with decoding the TCAP portion of the incoming MSU. The UIM information displays the error reason and the parameter value. The GTT will be performed on the basis of the "fallback" value set in the last matched translation.

Example

```
0018.1145    CARD 1103     INFO      MBR decoding failed
                 Reason= MSISDN decoding failed (Extension bit is zero)
                 OPC=4-123-5      DPC=6-018-7
                 CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                        TT=25   NP=04  NAI=010  ADDR=123456789012345678901
                        PC=3-026-5           SSN=005
                 CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                        TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                        PC=-----------       SSN=004
                 Op-Code=2  PKG-Type= TC BEGIN(0x62)
                 Comp-Type= Invoke(0xA1)
                MAP PARAM: NP=1  NON=1  Ext-Bit=0
                 MAP Digits=12345678912

                 Report Date:15-07-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1146 - REPT-XLST-TIMO: X-LIST entry expired

This message indicates that the timer has expired for an x-list entry and that entry has been removed.

Example

```
RLGHNCXA21W 00-06-18 19:12:00 EST EAGLE 31.3.0
0147.1146 CARD 1201 INFO REPT-XLST-TIMO:X-LIST entry expired
          DPC=001-001-001
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No further action is necessary.

1149 - SLK Level-3 T19 timer expired

The link has been down for 5 minutes or the timer T19 has timed out.

Example

```
RLGHNCXA21W 00-06-18 19:12:00 EST EAGLE 31.3.0
0147.1149    CARD 1201,A INFO SLK Level-3 T19 timer expired
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. Activate measurements using the `chg-meas:collect=on` command.

   This starts measurements collection.

2. If the link is placed **OOS-MT**, use the measurements collected over the appropriate time period to determine the cause, and determine which action is now necessary.

Note: Refer to the *Measurements Manual* for traffic measurements information.

1150 - SLK Inhibit Denied

The request to inhibit the link has been denied.

Example

- The following is an example of an error occurring at the near end.

```
RLGHNCXA21W 03-12-22 21:49:03 EST EAGLE 40.1
7271.1150    CARD 1202,A   INFO    SLK Inhibit denied
             Source:  Local
             Reason:  Only one link available in the linkset
Report Date:03-12-22  Time:21:49:03
```

- The following is an example of an error occurring at the far end.

```
RLGHNCXA21W 03-12-22 21:49:03 EST EAGLE 40.1
7271.1150    CARD 1202,A   INFO    SLK Inhibit denied
             Source:  Remote
             Reason:  Unknown
Report Date:03-12-22  Time:21:49:03
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. If denied locally, inhibiting the link would cause the far end to prohibit the point code. If remotely denied, contact the far-end office to determine the cause and to correct the problem.

1151 - SLK Inhibit Response Timeout

The system has sent a link inhibit request, but no inhibit acknowledge was received.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
0014.1151    CARD 1205,A nc00027 SLK Inhibit Response Timeout
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Try the inhibit command again.

If still unsuccessful, contact the far-end office and verify the status.

1152 - SLK Uninhibit Denied

The far end has denied the craftsperson's request to uninhibit the link.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
0014.1152    CARD 1205,A nc00027 SLK Uninhibit Denied
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Contact the far end office to determine why this was denied.

1153 - SLK Uninhibit Response Timeout

An uninhibit request was sent, but an uninhibit acknowledge was not received.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
0014.1153    CARD 1205,A nc00027 SLK Uninhibit Response Timeout
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Try the uninhibit request again.

If still unsuccessful, contact the far-end.

1154 - MSU received threshold exceeded

This UIM is produced by the OAM. It is produced whenever the cumulative count of MSUs received due to gateway screening on a given linkset exceeds the specified GWS activity threshold (MSU_recvd_threshold) within a specified time period.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
0014.1154    SYSTEM   INFO   MSU-received threshold exceeded
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No further action is necessary.

1155 - MSU-rejected threshold exceeded

This UIM is produced by the OAM. It is produced whenever the cumulative count of MSUs discarded due to gateway screening on a given linkset exceeds the specified GWS activity threshold (MSU_reject_threshold) within a specified time period.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
0014.1155    SYSTEM   INFO   MSU-rejected threshold exceeded
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No further action is necessary.

1156 - Minor congestion event detected

This message is issued when a HIPR2 card detects a minor congestion event. A congestion event is one 10 millisecond time slice that exceeds the specified bus utilization for that time slice on a segment as detected by the HIPR2.

Example

```
RLGHNCXA21W 09-02-07 12:01:43 EST EAGLE 41.1.0
    0023.1156    CARD 1109     INFO     Minor congestion event detected
                 Report Date:09-02-07  Time:12:01:43
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Although no action is required, the message can serve as a notification that this particular section of the IMT bus is reaching its saturation.

Contact the My Oracle Support (MOS) for more information.

1157 - Major congestion event detected

This message is issued whenever a HIPR2 card detects a major congestion event. A congestion event is one 10 millisecond time slice that exceeds the specified bus utilization for that time slice on that segment.

Example

```
RLGHNCXA21W 09-02-07 12:01:43 EST EAGLE 41.1.0
    0023.1157    CARD 1109     INFO     Major congestion event detected
                 Report Date:09-02-07  Time:12:01:43
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Although no action is required, the message can serve as a notification that this particular section of the IMT bus is reaching its saturation.

Contact the My Oracle Support (MOS) for more information.

1158 - Minor HIPR2 switching capacity reached

This message is issued when the minor switching rate is observed by the HIPR2 card. This rate is a measure of the switching capacity of the HIPR2 card.

Example

```
RLGHNCXA21W 09-02-07 12:01:43 EST EAGLE 41.1.0
    0023.1158    CARD 1109     INFO     Minor HIPR2 switching capacity reached
                 Report Date:09-02-07  Time:12:01:43
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Contact the My Oracle Support (MOS).

1159 - Major HIPR2 switching capacity reached

This message is issued when the major switching rate is observed by the HIPR2 card. This rate is a measure of the switching capacity of the HIPR2 card.

Example

```
RLGHNCXA21W 09-02-07 12:01:43 EST EAGLE 41.1.0
    0023.1159    CARD 1109     INFO     Major HIPR2 switching capacity reached
                 Report Date:09-02-07  Time:12:01:43
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Contact the My Oracle Support (MOS).

1164 - Inh LNP SS request already outstanding

An `inh-map-ss` command is already entered and queued.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
0014.1164 SYSTEM INFO Inh LNP SS request already outstanding
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1166 - ACG Node Overload Level Change

The **SCM** has detected that the node overload level for the system has changed.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.1166   SYSTEM    INFO        ACG Node Overload Level Change
OLD ACG LEVEL= 0    NEW ACG LEVEL= 10
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1167 - SIP connection established

This message indicates that the SIP connection has been established.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
    0014.1167    CARD 1101     INFO    SIP connection established
                 Connection Name : tcp1101d
                 Report Date:10-10-12  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1168 - SIP connection terminated

This message indicates that the SIP connection has been terminated.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
    0014.1168    CARD 1101     INFO    SIP connection terminated
                 Connection Name : tcp1101d
                 Report Date:10-10-12  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1170 - OAMHC Meas transition complete.

The full capabilities of the E5-OAM Integrated Measurements feature are available now. The Measurements Platform, if in use before the transition, has been replaced by the the E5-OAM Integrated Measurements feature.

Example

```
RLGHNCXA21W 09-11-17 12:01:43 EST  EAGLE 42.0.0
    yyyy.1170    SYSTEM        INFO      OAMHC Meas transition complete.
                 Report Date:09-11-17  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action required.

1171 - Schd UI Rpt disbld-link cnt exceeds 700

To prevent sending too much information to the terminal during the time available, the E5-OAM Measurements Interface feature disables UI reports whenever the number of provisioned links is greater than 700 .

Example

```
RLGHNCXA21W 09-11-17 16:20:19 EST  EAGLE 42.0.0
    0014.1171    SYSTEM        INFO      Schd UI Rpt disbld-link cnt exceeds 700

                 Report Date:09-11-17  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action required.

1172 - REPT-OVSZMSG: MTP MSU too large to rte

An oversized **MTP MSU** was received and discarded.

Example

```
0056.1172    CARD 1113     INFO    REPT-OVSZMSG: SCCP MSU too large to rte
                 LEN=50
                 SIO=04   OPC=   016-032-048    DPC=   032-032-048
                 SCCP MT=012
                 CDPA: AI=04 PC=   016-032-048   SSN=004 TT=004
                       ADDR=43210FEDCBA9876543210
                 CGPA: AI=04 PC=   016-032-048   SSN=004 TT=004
                       ADDR=0123456789ABCDEF01234
                 LSN=ls211
                 Report Date:12-12-15  Time:11:03:31
;
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1174 - Inh INP SS request alrdy outstanding

An `inh-map-ss` command is already entered and queued.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.1174   SYSTEM  INFO  Inh INP SS request alrdy outstanding
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1176 - Unexpected DB version - Using UDT

This message indicates that an unexpected DB version was received from the **MPS** during the database download. As a result, the UDP-based Data Transfer protocol will be used to transfer the database from the MPS to the Eagle 5.

Example

```
0020.1176    CARD 1113    INFO      Unexpected DB version – using UDT
                 Report Date:02-07-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1185 - GTI input clock anomalies detected

This message indicates additional high speed clock diagnostic data is available although the high speed clocks are valid.

Example

```
RLGHNCXA21W 03-01-06 13:46:23 EST  EAGLE 35.0.0
0379.1185    CARD 1113     INFO    GTI input clock anomalies detected
             Reporting TDM Location        : 1114
             GTI Clock Status Register     : H'0021
             Primary LIU Violation Count   :  56
             Secondary LIU Violation Count : 129
             GTI Status Register           : H'0022
             Report Date:03-01-05  Time:13:46:25
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1186 - Meas data load failure: old version

This message can be generated if the primary MCP is running an older version of the GPL than the secondary MCP. This could possibly occur in an upgrade failure or upgrade back out procedure.

Example

```
 RLGHNCXA21W 02-07-21  16:20:19  EST EAGLE 31.3.0
 0002.1186    CARD 1103     INFO      Meas data load failure: old version
                Report Date:02-07-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Boot the primary and/or secondary MCPs with the approved GPL version of the system release.

1187 - Table Checksum Mismatch

This message indicates additional diagnostic information in the event of a GPL or a specific table corruption alarm. Whenever a GPL corruption alarm (UAM 0040) is raised during the GPL Audit or a subset data corruption alarm (UIM 1188) is raised during static data Audit, this UIM 1187 is also output to provide the Table ID, Reference Checksum, and Calculated Checksum of the GPL or the specific tablein question.

Example

```
RLGHNCXA21W 07-01-06 13:46:23 EST  EAGLE 41.0.0
0014.1187    CARD 1113     INFO      Table Checksum Mismatch
             TBL ID = 136  CALC CHKSUM=H'B7C0   REF CHKSUM=H'4A5F
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Refer to the recovery procedure for the appropriate UAM that accompanied this alarm.

1188 - DB Subset Checksum Mismatch

This message indicates additional diagnostic information in the event of DB corruption alarm (UAM 35, 38, or 427). Whenever a DB corruption is detected during the DB audit, this UIM 1188 is also output to provide the Table ID, Reference Checksum, and Calculated Checksum of the DB Subset in question.

Example

```
RLGHNCXA21W 03-01-06 13:46:23 EST  EAGLE 35.0.0
0008.1188    CARD 1113     INFO      DB Subset Checksum Mismatch
             SUBSET = 3  CALC CHKSUM = H'abcd  REF CHKSUM = H'
         Report Date:03-01-06  Time:13:46:25
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Refer to the recovery procedure for the appropriate UAM that accompanied this alarm.

1194 - IP Connection Refused, RHOST mismatch

This message indicates that an association in MATCH validation mode cannot be established due to mismatch in configured RHOST or ARHOST with the INIT message contents.

Example

```
station1234 09-09-21 16:28:08 EST Rel 41.0.0-62.6.0
0003.1194    CARD 1213,A   INFO     IP Connection Refused, RHOST mismatch
                  RIPADDR = 123.123.123.123
                  RPORT   = 1314
                  LIPADDR = 123.123.123.124
                  LPORT   = 1315
                  SNAME   = LONGSOCKETNAME1
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Check ARHOST provisioning.

Reports on connection status can be obtained for each **DCM** card with the following commands:

`pass:loc=xxxx:cmd="connmgr -l"` displays the connection manager event log.
`pass:loc=xxxx:cmd="connmgr -c"` displays socket client data.
`pass:loc=xxxx:cmd="connmgr -s"` displays socket server data.

1197 - IP Connection refused

Reports that an attempt to connect to an **IP** client was rejected by the client.

Example

```
RLGHNCXA03W 99-04-10 16:28:08 EST EAGLE 35.0.0
0003.1197    DCM 1213,A    IP Connection refused
RIPADDR = 123.123.123.123
RPORT = 1314
LIPADDR = 123.123.123.124
LPORT = 1315
SNAME=Unknown
Report Date: 02-04-10  Time: 16:27:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

Reports on connection status can be obtained for each **DCM** card with the following commands:

`pass:loc=xxxx:cmd="connmgr -l"` displays the connection manager event log.
`pass:loc=xxxx:cmd="connmgr -c"` displays socket client data.
`pass:loc=xxxx:cmd="connmgr -s"` displays socket server data.

1198 - IP Connection, Cannot resolve RHOST(S)

Reports that an attempt to connect to an IP client failed because the hostname, RHOST and ARHOST (if configured), could not be found on the IP network.

Example

```
RLGHNCXA03W 02-07-21 16:20:19 EST EAGLE 41.0.0
0003.1198    CARD 1213,A   INFO      IP Connection, Cannot resolve RHOST(S)
                  RIPADDR = Unknown
                  RPORT   = 1314
                  LIPADDR = 123.123.123.124
                  LPORT   = 1315
                  SNAME   = LONGSOCKETNAME1
             Report Date:02-07-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

Reports on connection status can be obtained for each **DCM** card with the following commands:

`pass:loc=xxxx:cmd="connmgr -l"` displays the connection manager event log.
`pass:loc=xxxx:cmd="connmgr -c"` displays socket client data.
`pass:loc=xxxx:cmd="connmgr -s"` displays socket server data.

1199 - LNP DTH Measurements Discarded for DPC

Reports that **LNP DTH** measurements are being discarded because the capacity of the **SSP DTH** table has been exceeded.

Example

```
RLGHNCXA03W 00-04-10 16:28:08 EST EAGLE 35.0.0
1234.1199    SYSTEM       INFO LNP DTH Measurements Discarded for DPC
DPC=001-001-001
Non-Zero Measurements Discarded: Yes
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. If the Non-Zero Measurements Discarded flag is set **No**, the discarded measurements are all zero, no action is necessary.

   Note: If the Non-Zero Measurements Discarded flag is set **Yes**, Daily **LNP** Measurements will be lost for the specified **DPC** from the time of the **LIM** 1199 occurrence until the end of the day.

2. To retrieve the prior hour **LNP SSP** measurement pegs. Refer to the *Measurements Manual*.

   To retrieve the prior hour **LNP** measurements or other specific periods, set the Accessible Collection Period: **Last or Specific**.

   `Example: rept-meas:type=mtch:enttye=lnp:period=last`

1200 - INW ALT card as first to be preloaded

Reports the alternate card the system selected to be loaded with **GPLs** and data.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.1200   SYSTEM      INFO  INW ALT card as first to be preloaded
CARD=1203   GPL=SS7ANSI
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1201 - INW MAIN card as last to be reset

Reports the main card the system selected to be loaded with **GPLs** and data.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.1201   SYSTEM      INFO  INW MAIN card as last to be reset
CARD=1203   GPL=SS7ANSI
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1202 - INW Asserted DDL inhibition

Reports that card cross loading is inhibited.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.1202   SYSTEM      INFO  INW Asserted DDL inhibition
CARD=1203   GPL=SS7ANSI
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1203 - INW Card reset command issued

Reports that a card reset command has been issued.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.1203   SYSTEM      INFO  INW Card reset command issued
CARD=1203   GPL=SS7ANSI
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1204 - INW Waiting for card loading validation

Reports that **INW** is waiting for validation of card loading.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.1204   SYSTEM      INFO  INW Waiting for card loading validation
CARD=1203   GPL=SS7ANSI
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1205 - INW Detected card loaded

Reports that **INW** has detected a successful completion of a card loading.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.1205   SYSTEM      INFO  INW Detected card loaded
CARD=1203   GPL=SS7ANSI
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1206 - INW Detected card reset or removed

Reports that **INW** has detected the reset or removal of a card.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.1206   SYSTEM      INFO  INW Detected card reset or removed
CARD=1203   GPL=SS7ANSI
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1207 - INW Allowed card to skip DDL inhibited

Reports that a card is being allowed to crossload.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.1207   SYSTEM      INFO  INW Allowed card to skip DDL inhibited
CARD=1203   GPL=SS7ANSI
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1208 - INW Removed DDL inhibition

Reports that **INW** has removed the Dynamic Data Loading (**DDL**) inhibition on a card.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
0014.1208 SYSTEM INFO INW Removed DDL inhibition
CARD=1203 GPL=SS7ANSI
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1209 - INW Need to reset/remove/inhibit card

Reports that card must be manually reset, removed, or inhibited.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
0014.1209 SYSTEM INFO INW Need to reset/remove/inhibit card
CARD=1203 GPL=SS7ANSI
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1210 - INW Card failed to reset

Reports that card has failed to reset.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
0014.1210 SYSTEM INFO INW Card failed to reset
CARD=1203 GPL=SS7ANSI
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1211 - INW Failed to assert DDL inhibition

Reports that a **DDL** inhibition has failed.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
0014.1211 SYSTEM INFO INW Failed to assert DDL inhibition
CARD=1203 GPL=SS7ANSI
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1212 - INW Failed to remove DDL inhibition

Reports that an attempt to remove **DDL** inhibition has failed.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
0014.1212 SYSTEM INFO INW Failed to remove DDL inhibition
CARD=1203 GPL=SS7ANSI
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1213- INW Card failed to DDL crossload

Reports that a card failed to **DDL** crossload.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
0014. SYSTEM INFO INW Card failed to DDL crossload
CARD=1203 GPL=SS7ANSI
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1214 - INW Allowed card to DDL crossload

Reports that a card was allowed to crossload.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
0014.1214 SYSTEM INFO INW Allowed card to DDL crossload
CARD=1203 GPL=SS7ANSI
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1233 - MTP Invalid ITU TFR RCVD

This message indicates an **ITU TFR** (Transfer **Restricted**) procedure was received on a linkset that is not configured to receive these procedures.

Example

```
RLGHNCXA21W 00-11-18 19:12:00 EST EAGLE 35.0.0
0147.1233 CARD 1201,A INFO MTP Invalid ITU TFR RCVD
OPC=001-001-001 CPC=002-002-002
LSN=lsn01a
```

Legend

CPC
Concerned point code

LSN
Linkset name

OPC
Origination point code

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. Verify whether the **MTP** (**Message Transfer Part**) is supposed to support an **ITUTFR** on the linkset on which it was received.

The **ITUTFR** procedure is valid for **ITU** national linksets only. As currently configured, the linkset does not accept **TFRs**.

2. If **ITUTFRs** are to be accepted on the linkset, you must reconfigure the linkset to accept them.

   Use the **itutfr=on** parameter in the `chg-ls` command to enable the transfer restricted procedure. You must specify this parameter on each **ITU** national linkset you want to receive **ITUTFRs**.

1234 - LNP Day Meas. Discarded for NPANXX

This message is indicates that the Daily **LNP NPANXX** measurement counts are incorrect because of discards due to provisioning.

Example

```
station5 00-04-18 19:12:00 EST EAGLE 31.0
0002.1234 CARD 1201 INFO LNP Day Meas. Discarded for NPANXX
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Correct counts can be derived via calculation from **LNP** queries - discards - **LRN** pegs.

1235 - Unable to connect Primary SFLOG Server

This message indicates the connection to Primary SFLOG server cannot be established.

Example

```
0002.1235    CARD 1201     INFO    Unable to connect Primary SFLOG server
                 IP: 123.678.123.467   FTP Error: 24
                 File Name: tekelecstp_sflog_150429_031655.pcap

  Report Date: 15-04-30  Time: 16:27:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1236 - Unable to connect both SFLOG Servers

This message indicates the connection to the Primary and Secondary SFLOG servers cannot be established.

Example

```
0002.1236    CARD 1202     INFO    Unable to connect both SFLOG servers
                 IP: 123.678.123.467   FTP Error: 11
                 File Name: tekelecstp_sflog_150429_031655.pcap

  Report Date: 15-04-30  Time: 16:27:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1237 - Dynamic database audit not current

The dynamic database audit cannot determine whether the dynamic database is inconsistent because there has not been the required quiet period (500 milliseconds by default) to perform the audit. There are always inconsistencies among the copies of the dynamic database on the LIM and Service Module cards while the networks is updating the cards.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
0014.1237 SYSTEM INFO Dynamic database audit not current
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. Determine whether there are issues with links, point codes, linksets, or SSN that are causing network status changes. If so, use your site's normal procedures to address the problems.
2. Contact the My Oracle Support (MOS).

1238 - Full LNP database reload initiated

This message indicates that a cold restart is required for a **TSM**/**BLM** card. In this case, the entire **LNP** database is reloaded to the card.

Example

```
station1234 96-08-01 16:28:08 EST EAGLE 35.0.0
1234.1238 SYSTEM INFO Full LNP database reload initiated:
CARD=1101 GPL=SCCP CAUSE=<xxxxxxxx>
```

where <*xxxxxxxx*> is one of the following parameters:

Table 3-6 CAUSE Parameters

Parameter	Description
XILINX	**M256** Xilinx version has changed.
POWER ON	Power on reset.
DB VER	**LNP** database version has changed.
DB LVL	**Database** level is not supported or difference exceeds incremental loading capability.
HW ERR	Hardware error bit checks on the card fail.
CHECKSUM	**Checksum** comparisons of the **LNP** database fail.
NO **AUDIT**	Unable to perform **LNP DB** audit. **LNP** audit not on or excessive number of unknown checksums.

Table 3-6 (Cont.) CAUSE Parameters

Parameter	Description
USER REQ	User initiated init-card or init-sys command reload type cold.
OTHER	Other or unknown.

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. If this **UIM** indicates that there is a hardware error or the database checksum test failed, there may be a hardware problem.

   When this condition repeats (the board resets and displays the same conditions again), do the following:

   a. Reseat the card.

   b. Replace the card to determine if it is defective.

2. For additional support, contact the My Oracle Support (MOS).

1239 - Ntwrk Card Reload Failed during Upg

This message indicates the OAM has determined that a card has failed to load.

Example

```
xxxx.1239    SYSTEM        INFO      Ntwrk Card Reload Failed during Upg
                         CARD=1103    GPL=SS7ANSI
                         Report Date:02-01-08  Time:01:24:34
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. Manually download card(s) running non-approved flash.

1240 - MAP SCCP Validation Fail

This message indicates that the MAP and SCCP parameter validation performed by SCPVAL GTT Action has failed. Look for the validation failure reason printed by the UIM.

Example

```
5072.1240    CARD 1105     INFO    GTT Action MAP-SCCP validation FAILED
                 Cause: SMRPDA-CDPA Digits Mismatch
                 OPC=   7-101-0        DPC=   1-001-0
                 CDPA:  NI=0  RI=0  GTI=04  SSNI=0  PCI=1
                        TT=010  NP=01  NAI=004  ADDR=9192051234
                        PC=   1-001-0        SSN=---
                 CGPA:  NI=0  RI=1  GTI=00  SSNI=1  PCI=1
                        PC=   7-101-0        SSN=008
                 SMRPDA: NP=1    NON=1    ADDR=9192056000
                 LSN=ls710100  Op-Code= 46  GTT Action Set=scpval1
```

```
Report Date:15-08-01  Time:15:50:30
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1241 - SCCP Card logging capacity exceeded

This message indicates the SCCP card logging capacity has been exceeded.

Example

```
XXXX.1241    CARD XXXX     INFO      SCCP Card logging capacity exceeded
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Reduce the card logging below the recommended capacity level.

1251 - Measurements data copy failure

Measurements data is copied to all **MCPM** cards after collection. Measurements data copy to a Secondary **MCPM** failed.

Example

```
station5 00-04-18 19:12:00 EST EAGLE 31.3.0
0002.1251 CARD 1201 INFO Measurements data copy failure
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

There is no immediate action needed, but the message indicates that the error was encountered.

1252 - Report generation failure

This message is generated by the Primary **MCPM**. The measurement report identified in the output message did not generate.

Example

```
station5 00-04-18 19:12:00 EST EAGLE 31.3.0
0002.1252 CARD 1201 INFO Report generation failure
IP:111.111.111.111 FTP Error: XXXX
File Name: tues_serv.csv
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Enter the `rept-ftp-meas` command to manually initiate the generation and **FTP** transfer of the indicated measurement report.

Refer to the *Commands Manual* for the correct usage of this command.

1253 - Report transfer failure FTP Server

This message is generated by the Primary **MCPM**. The **FTP** transfer of the indicated report failed.

Example

```
station5 00-04-18 19:12:00 EST EAGLE 31.3.0
0002.1253 CARD 1201,A INFO Report transfer failure FTP Server
IP:111.111.111.111 FTP Error: XXXX
File Name: tues_serv.csv
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Enter the `rept-ftp-meas` command to manually initiate the generation and **FTP** transfer of the indicated measurement report. Refer to the *Commands Manual* for the correct usage of this command.

1254 - Scheduled transfer failure

This message is generated by the Primary **MCPM**. Some of the reports scheduled to be generated and transferred were not transferred.

Example

```
station5 00-04-18 19:12:00 EST EAGLE 31.3.0
0002.1254 CARD 1201 INFO Scheduled transfer failure
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Enter the `rept-ftp-meas` command to manually initiate the generation and **FTP** transfer of the affected measurement report. Refer to the *Commands Manual* for the correct usage of this command.

1257 - DB restore has cleared and Disabled PDS

A **DB** restore has rendered the data on **PDS** table obsolete. The **PDS** table will be updated when the **OAM** is rebooted.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
0014.1257 SYSTEM INFO DB restore has cleared and Disabled PDS
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1298 - SIP message decode failed

SIP message parsing FAILS. Examples of decoding fail:

1. TEL-URI with a Local Number does not contain a "phone-context" parameter
2. SIP-URI does not contain "user=phone" parameter

3. SIP INVITE does not have E164 num

Example

```
         1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890
    0014.1298    CARD 1103,B   INFO     SIP msg decode failed
                 CSeq No: 96781            Cname: tcp1107d
                 Reason: Incorrect Content-Length Header
                 Report Date:10-10-12  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1305 - MTP rcvd UPU - User SCCP, Cause invalid

This message is generated for a **UPU** message for a **SCCP** user when the unavailability cause indicates a **SCCP** translation exists for a node that does not have a **SCCP** user part.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST EAGLE 35.0.0
0100.1305 CARD 1201,A INFO MTP rcvd UPU - user SCCP, Cause invalid
SIO=03 OPC=003-232-000 DPC=001-004-000
AFTPC=004-000-001 UPU=03 UNAVAIL CAUSE=001
LSN=A1234567
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1306 - GSMOPTS: EIR Global Response is ON

The **EIR** Global Response Type is on. The **EIR** Global Response Type is set by the `chg-gsmopts` command and the `eirgrsp` parameter.

The Global Response Type is used to override the response that is returned to the **MSC** (Mobile Switching Center). The default value is **OFF**. When this parameter to **OFF**, the normal list logic is applied to the **IMEI**. If the Global Response Type is set to a value other than **OFF**, there is no list logic processing, and the response corresponding to the `eirgrsp` value is sent to the **MSC**.

For more information about `eirgrsp`, refer to the `chg-gsmopts` command in the *Commands Manual*.

Example

```
RLGHNCXA21W 03-08-18 19:09:14 EST EAGLE 31.3.0
0140.1306 CARD 1201 INFO GSMOPTS: EIR Global Response is ON
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No corrective action is required.

1307 - GSMOPTS: EIR Global Response is OFF

The **EIR** Global Response Type is off. The **EIR** Global Response Type is set by the `chg-gsmopts` command and the `eirgrsp`parameter.

The Global Response Type is used to override the response that is returned to the **MSC** (Mobile Switching Center). The default value is **OFF**. When this parameter to **OFF**, the normal list logic is applied to the **IMEI**. If the Global Response Type is set to a value other than **OFF**, there is no list logic processing, and the response corresponding to the `eirgrsp` value is sent to the **MSC**.

For more information about `eirgrsp`, refer to the `chg-gsmopts` command in the *Commands Manual*.

Example

```
RLGHNCXA21W 03-08-18 19:09:14 EST EAGLE 31.3.0
0140.1307 CARD 1201 INFO GSMOPTS: EIR Global Response is OFF
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No corrective action is required.

1308 - Updates inhibited: Target-Cell CRC Fail

This message appears if the new source-cell and the target-cell checksums do not match. This message, similar to UIM 1239, but including the table id, shall be issued by the Eagle User Interface (UI) for each event.

Example

```
station1234 96-08-01 16:28:08 EST EAGLE 34.0.0
1234.1308   SYSTEM INFO    Updates inhibited:Target-Cell CRC Fail
       CARD=1107 TABLE=50  OFFSET=XXXX TRGT CRC=1423697
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

This is an automatic process and no action is necessary.

1309 - Updates inhibited: Source-Cell CRC Fail

If the source cell fails validation this message, similar to UIM 1239, but including the table ID, shall be issued by the Eagle User Interface (UI) for each event.

Example

```
station1234 96-08-01 16:28:08 EST EAGLE 34.0.0
1234.1309 SYSTEM INFO Updates inhibited:Source-Cell CRC Fail
          CARD=1107 TABLE=50 OFFSET=XXXX
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

This is an automatic process and no action is necessary.

1310 - System Meas. Limit exceeded for LRN

This **UIM** is issued if the Measurements Platform is not enabled and if the number of provisioned **LRNs** exceeds 100,000. When the limit of 100,000 is exceeded, this **UIM** is notification that the **LNP LRN** measurements report will be truncated, and additional **LRN** measurements will not be collected or reported.

Example

```
RLGHNCXA21W 00-04-18 19:09:14 EST EAGLE 31.3.0
0140.1310 CARD 1201 INFO System Meas. Limit exceeded for LRN
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

You have two options if this **UIM** appears:

- Install the Measurements Platform to increase the reporting limits, or
- If you have any unused **LRN** entries, you can remove them such that the number of provisioned **LRNs** does not exceed the limit of 100,000.

1311 - System Meas. Limit exceeded for NPANXX

This **UIM** is issued if the Measurements Platform is not enabled and if the number of provisioned **NPANXXs** exceeds 150,000. When the limit of 150,000 is exceeded, this **UIM** is notification that the **LNP NPANXX** measurements report will be truncated, and additional **NPANXX** measurements will not be collected or reported.

Example

```
RLGHNCXA21W 00-04-18 19:09:14 EST EAGLE 31.3.0
0140.1311 CARD 1201 INFO System Meas. limit exceeded for NPANXX
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

You have two options if this **UIM** appears:

- Install the Measurements Platform to increase the reporting limits, or
- If you have any unused **NPANXX** entries, you can remove them such that the number of provisioned **NPANXXs** does not exceed the limit of 150,000.

1312 - LSS: Interrogation Type missing

This **UIM** occurs when the Interrogation type is missing from the SRI.

Example

```
RLGHNCXA21W 00-04-18 19:09:14 EST EAGLE 33.2.0
0140.1312 Application Subsystem 1201 INFO LSS: Interrogation Type missing
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Modify the SRI to include the Interrogation Type parameter.

1313 - LSS: Invalid Interrogation Type

This **UIM** occurs when the SRI Interrogation Type is not valid for NT Number Translation.

Example

```
RLGHNCXA21W 00-04-18 19:09:14 EST EAGLE 33.2.0
0140.1313 Application Subsystem 1201 INFO LSS: Invalid Interrogation Type
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Set the Interrogation Type to 30 for NP Number Translation queries.

1314 - LSS: MSISDN missing

This **UIM** occurs when the SRI does not contain MSISDN parameter.

Example

```
RLGHNCXA21W 00-04-18 19:09:14 EST EAGLE 31.3.0
0140.1314 Application Subsystem 1201 INFO LSS: MSISDN missing
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Modify the SRI to include the MSISDN parameter.

1315 - ICNP: Response PC prohibited

This UIM occurs when the OPC of the IAM for processing is not accessible.

Example

```
RLGHNCXA21W 00-04-18 19:09:14 EST EAGLE 31.3.0
0140.1315 CARD 1201 INFO ICNP:  Response PC prohibited
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

If this **UIM** appears, take these actions:

1. Check the status of the point code via `rept-stat-dstn`.
2. Perform provisioning and maintenance activities to make the point code allowed.

1316 - ICNP: Invalid Message received

This **UIM** occurs when an unexpected ISUP message is received.

Example

```
RLGHNCXA21W 00-04-18 19:09:14 EST EAGLE 33.2.0
0140.1316 CARD 1201 INFO ICNP: Invalid Message received
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Modify the originator of the message to send valid ISUP messages for this feature (IAM, SAM, REL, RLC) only.

1317 - ICNP: Response PC unknown

This **UIM** occurs when the OPC of the IAM for processing is not known..

Example

```
RLGHNCXA21W 00-04-18 19:09:14 EST EAGLE 33.2.0
0140.1317 CARD 1201 INFO ICNP:  Response PC unknown
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

If this **UIM** appears, take these actions:

- Check the point code using the `rtrv-dstn` command.
- Perform provisioning activities to make the point code allowed.

1318 - ICNP: OPC/DPC correlation problem

This **UIM** occurs when the DPC of the IAM is not the True or Secondary Point Code assigned to the OPC in the routing table.

Example

```
RLGHNCXA21W 00-04-18 19:09:14 EST EAGLE 33.2.0
0140.1318 CARD 1201 INFO ICNP:  OPC/DPC correlation problem
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Make sure that the OPC is using the True or Secondary Point code assigned to it in the routing table as the DPC of the IAM.

1319 - ICNP: IDCA not reachable

This **UIM** when the required IDCA application is not currently reachable.

Example

```
RLGHNCXA21W 00-04-18 19:09:14 EST EAGLE 31.3.0
0140.1319 CARD 1201 INFO ICNP:  IDCA is not reachable
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

If this **UIM** appears, take these actions:

- Bring the IDCA application online.
- Verify the connection between the EAGLE and IDCA.

1320 - FPT value unprovisioned for frame

This **UIM** is periodically raised at hourly intervals, starting at the system initialization time, for all the provisioned frames if the Frame Power Threshold value is not provisioned for that frame.

Example

```
RLGHNCXA21W 00-04-18 19:05:43 EST EAGLE 35.0
0021.1320 CARD 1113 INFO FTP value unprovisioned for frame CF00
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. Verify that the Frame Power Threshold value is not configured for the provisioned frame for which the **UIM** is generated by using the following command:

   `rtrv-frm-pwr`

2. Configure the appropriate Frame Power Threshold value for the frame using the following command:

   `ent-frm-pwr`

   Otherwise, contact the My Oracle Support (MOS) about the generated **UIM**.

1321 - Eagle RTDB Birthdate Mismatch

This message appears if the EAGLE 5 ISS connects to an **ELAP** and the birthdates do not match between the **RTDB** on the **ELAP** and the **RTDB** on the EAGLE 5 ISS.

Example

```
RLGHNCXA21W 00-04-18 19:09:14 EST EAGLE 35.0.0
0008.1321 SYSTEM INFO Eagle RTDB Birthdate Mismatch
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Contact the My Oracle Support (MOS).

1322 - Eagle RTDB Levels Invalid

This message appears if the EAGLE 5 ISS connects to an **ELAP** and the **ELAP**'s **RTDB** db-level is less-than the EAGLE 5 ISS's **RTDB** db-level.

Example

```
RLGHNCXA21W 00-04-18 19:09:14 EST EAGLE 35.0.0
0008.1322 SYSTEM INFO Eagle RTDB Levels Invalid
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Contact the My Oracle Support (MOS).

1323 - Eagle/Elap TN Quantity Mismatch

This message appears if the EAGLE 5 ISS connects to an **ELAP** that has a greater number of **TNs** provisioned than the EAGLE 5 ISS's quantity keys allow.

Example

```
RLGHNCXA21W 00-04-18 19:09:14 EST EAGLE 35.0.0
0008.1323 SYSTEM INFO Eagle/Elap TN Quantity Mismatch
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Contact the My Oracle Support (MOS).

1324 - Eagle/Elap NPANXX Quantity Mismatch

This message appears if the EAGLE 5 ISS connects to an **ELAP** that has a greater number of **NPANXXs** provisioned than the EAGLE 5 ISS's quantity keys allow.

Example

```
RLGHNCXA21W 00-04-18 19:09:14 EST EAGLE 35.0.0
0008.1324 SYSTEM INFO Eagle/Elap NPANXX Quantity Mismatch
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Contact the My Oracle Support (MOS).

1325 - Eagle/Elap LRN Quantity Mismatch

This message appears if the EAGLE 5 ISS connects to an **ELAP** that has a greater number of **LRN** s provisioned than the EAGLE 5 ISS's quantity keys allow.

Example

```
RLGHNCXA21W 00-04-18 19:09:14 EST EAGLE 35.0.0
0008.1325 SYSTEM INFO Eagle/Elap LRN Quantity Mismatch
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Contact the My Oracle Support (MOS).

1326 - Eagle RTDB Depth Alert

RTDB data is stored as inverse tree structures the trees have a maximum depth allowed. This alarm indicates that the maximum depth has been reached for a tree. If the alarm was initiated during a data update, the update will continually fail until there is manual intervention.

Example

```
RLGHNCXA21W 00-04-18 19:09:14 EST EAGLE 35.0.0
0008.1326 SYSTEM INFO Eagle RTDB Depth Alert
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Contact the My Oracle Support (MOS).

1331 - IP Route Table Entry Conflict

A conflict exists between user configured static **IP** routes and dynamically added routes. (The Integrate Message Feeder application monitoring dynamically creates host specific **IP** routes to an **IMFVIP** address.) There are two scenarios in which such a conflict can result:

1. If an Integrated Message Feeder application receives a service accept message and attempts to add a host specific **IP** route for the **IP** address received in the service accept message and there is an user configured static **IP** route (entered by `ent-ip-rte`EAGLE 5 ISS command) whose destination is the same **IP** address, then the route is not added and the **UIM** is sent indicating the route and result.
2. If a user enters a host specific **IP** route using the `ent-ip-rte` command and there currently exists a dynamically added route with the same destination **IP** address, then the dynamic route is deleted, the static route is added, and this **UIM** indicating the result is generated.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
0003.1331 CARD 1213 INFO IP Route Table Entry Conflict
Dynamic IP Route Add Fail
Destination = 172.130.155.110
Gateway = 172.120.154.111
Mask = 255.255.255.255
Report “Date:02-02-21 Time:02:07:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Resolve the **IP Address** conflict.

One must either change the Integrated Message Feeder application **VIP** address or delete the static **IP** address using the following command:

`dlt-ip-rte`

1333 - UA RCVD MSG DISCARDED

When processing a received **PDU** at the **UA** L2 layer, various errors can be detected which cause the **MSU** to be pegged and discarded. The **SG** responds to a number of these **MSU**'s with error messages and transmits them to the customer. Some scenarios exist where a received **PDU** causes an error to be pegged, the message to be discarded, and the **SG** to not respond with an error message. A new **UIM** is issued when a **PDU** excluding **UA ERROR** messages is received at the **UA** L2 layer and results in the **SG** discarding the message plus pegging an error count. The generation of this **UIM** is paced (every 30 seconds), and in situations where multiple messages are discarded within a 30 second window of time, a **UIM** is only generated for the first message discarded.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 38.0.0
0003.1333    CARD 1305,A   INFO    UA RCVD MSG DISCARDED
             IP CONNECTION NAME=LONGCONNECTNAME ADPTR=M3UA
```

```
REASON=Large MSU for IP Sig Not Supported
SIO=0D OPC=1-1-1          DPC=2-2-2
Report Date:yy-mm-dd  Time:hh:mm:ss
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. The following table summarizes why the **UIM** was issued.

   The "reason" text in the **UIM** identifies why the **UIM** was displayed. Look at the reason and take action based on that field. Most of the time, to correct the issue, the customer needs to stop issuing the message. The **UIM**'s diagnostic field usually indicates which message was received.

Table 3-7 SG Received Messages Discarded

REASON MSG DISCARDED AND PEGGED	UIM 'REASON' TEXT	UIM 'DIAGNOSTIC' TEXT
PDU received with invalid version	Invalid Version (Error Code=0x01)	<msg rcvd> Rcvd; Version=<version value rcvd> Ex. **ASP**-Inactive Rcvd; Version=0x02
1. **PDU** has unsupported class 3. **PDU** received was **SUA CLDT/CLDR** on an **M3UA Association**	Unsupported Message Class (Error Code=0x03)	Class=<Message Class Value>; Type=<Message Type Value> Ex: Class=0x09; Type=0x01
PDU has unsupported type	Unsupported Message Type (Error Code=0x04)	Type=<Msg Type Value >; Class=<Message Class Value > Ex: Type=0x15; Class=0x02
ASP-ACTIVE contains an unsupported traffic mode Type.	Unsupported Traffic Mode (Error Code=0x05)	<**MSG**> Rcvd; Mode=<traffic mode received > Ex : **ASP**-Active Rcvd; Mode=0x03
1. **PDU** received was **DAVA/DUNA/DRST/ DUPU** in the **ASP**-Inactive/ **ASP**-Active States(end nodes shouldn't generate these) 2. **ASP-UP** received while in **ASP-ACTIVE** state 3. **ASP-ACTIVE** received while in **ASP-DOWN** state	Unexpected Message (Error Code=0x06)	1. **DUNA** Msg Rcvd 2. **DAVA** Msg Rcvd 3. **DRST** Msg Rcvd 4. **DUPU** Msg Rcvd 5. **ASP-UP** Rcvd while in **ASP**-Act State 6. **ASP**-Act Rcvd while in **ASP**-Down State

Table 3-7 (Cont.) SG Received Messages Discarded

REASON MSG DISCARDED AND PEGGED	UIM 'REASON' TEXT	UIM 'DIAGNOSTIC' TEXT
1. **PDU** could not be decoded or invalid length. 2. **ASP-UP-ACK**/**ASP-DOWN-ACK**/ **ASP-ACTIVE-ACK**/**ASP-INACTIVE-ACK** received in the **ASP**-Inactive/**ASP**-Active States while in server mode (not client) 3. **ASP-INACTIVE-ACK** received while in client mode and in **ASP-ACTIVE** state 4. **DATA** contains multiple routing contexts	Protocol Error (Error Code=0x07)	1. <Message> Decode Failed 2. <Message> Encode Failed 3. <Message> Length Invalid 4. **ASP-UP**-Ack Rcvd 5. **ASP**-Down-Ack Rcvd 6. **ASP**-Active-Ack Rcvd 7. **ASP**-Inactive-Ack Rcvd 8. **M3UA** to **MTP3** Conversion Failed
ASP-UP received on a connection this is Deactivated or Blocked.	Refused Managment Blocking (Error Code=0x0d)	ASP-Active Rcvd when SLK OOS-MT-DSBLD
Sent if a **UA** Message is received with an invalid parameter value.	Invalid Parameter Value (Error Code=0x11)	<msg rcvd> Rcvd; Value=<parameter value rcvd > Ex. **ASP**-Inactive Rcvd; Value=0x00000009
PDU has fixed length parameters of incorrect size	Parameter Field Error (Error Code=0x12)	<msg rcvd> Rcvd; Length=<invalid parameter length > Ex. **ASP**-Inactive Rcvd; Length=0x0200
Sent if a **UA** message received contains an invalid parameter.	Unexpected Parameter (Error Code=0x13)	<msg rcvd> Rcvd; Parm Tag=<parameter tag rcvd > Ex. **DATA** Rcvd; Parm Tag=0x0500
Invalid Network Appearance value received in a **M3UA** message	Invalid Network Appearance (Error Code=0x15)	<Msg Type> Rcvd; **NA**=<**NA** value rcvd > Ex: **DAUD** Rcvd; **NA**=0x00000011
1. **PDU** is missing one or more mandatory parameters 2. **DATA** contains no routing context and the association the **PDU** was received on is configured with more than 1 routing context	Missing Parameter (Error Code=0x16)	1. <Msg Type> Rcvd; Missing Tag=<tag value > 2. Hdr Len Invalid

Table 3-7 (Cont.) SG Received Messages Discarded

REASON MSG DISCARDED AND PEGGED	UIM 'REASON' TEXT	UIM 'DIAGNOSTIC' TEXT
1. **ASP-ACTIVE** received with routing context but no routing key(s) are provisioned for linkset 2. **PDU** contains one or more routing contexts that could not be matched to one associated with the connection the **PDU** was received on	Invalid Routing Context (Error Code=0x19)	For this error code, use existing **UIM** "Mismatched **UA** Routing Context" only if the message is still processed. If the message is discarded, issue **UIM** format 62. <msg rcvd> Rcvd; **RC**=<routing context value> Ex: **DAUD** Rcvd; **RC**=0x00000008
DATA received while in the **ASP**-Inactive State (server mode)	Invalid **ASP** State	**DATA** Rcvd while in **ASP**-Inact State
A message was discarded and there is no error code.	No **ERR** Received	Reason Unknown

2. Otherwise change the **M2PA** version at the **M2PA** peer to match the version configured for the signaling link/association at the Eagle.
3. If the fault is not cleared contact the My Oracle Support (MOS).

1334 - UA TX MSG DISCARDED

The generation of this **UIM** is paced (every 30 seconds), and in situations where multiple messages are discarded within a 30-second window of time, a **UIM** is only generated for the first transmitted message that is discarded.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 37.0.0
0003.1334    CARD 1305,A   INFO    UA TX MSG DISCARDED
             IP CONNECTION NAME=LONGCONNECTNAME ADPTR=M3UA
             REASON=M3UA Conversion Error
             SIO=0D OPC=1-1-1          DPC=2-2-2
             Report Date:yy-mm-dd  Time:hh:mm:ss
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Correct the problem based on the "reason" text displayed.

The reasons listed in this UIM cause a discard in the transmit path.

Table 3-8 SG Messages Discarded in the Transmit Path

UIM 'REASON' TEXT	UIM SPECIFIC TEXT
M3UA Conversion Error	**MTP3** to **M3UA** Conversion Failed

1335 - Table Information

An update to the **SCCP** contained an invalid table identifier.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
0003.1335 CARD 1105 INFO Table Information
Table 4294967296 Invalid Table ID
Report Date:02-07-21 Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1336 - UA ERROR MSG RECEIVED

This **UIM** is issued for message discards in the transmit path. The generation of this **UIM** is paced (every 30 seconds), and in situations where multiple messages are discarded within a 30-second window of time, a **UIM** is only generated for the first transmitted message that was discarded.

This **UIM** is being displayed because the customer is sending an error message to the **SG**. The following is a list of all the possible error codes that can appear in the **UIM** for received **UA ERROR** messages. Each one has the error code appended in parenthesis.

- Invalid Version (0x01)
- Unsupported Message Class (0x03)
- Unsupported Message Type (0x04)
- Unsupported Traffic Mode (0x05)
- Unexpected Message (0x06)
- Protocol Error (0x07)
- Invalid Stream Identifier (0x09)
- Refused Management Blocking (0x0d)
- **ASP** Identifier Required (0x0e)
- Invalid **ASP** Identifier (0x0f)
- Invalid Parameter Value (0x11)
- Parameter Field Error (0x12)
- Unexpected Parameter (0x13)
- Destination Status Unknown (0x14)
- Invalid Network Appearance (0x15)
- Missing Parameter (0x16)
- Invalid Routing Context (0x19)

- No Configured **AS** for **ASP** (0x1a)
- Subsystem Status Unknown (0x1b)
- Invalid Loadsharing Label (0x1c)

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 38.0.0
0003.1336    CARD 1305,A   INFO   UA ERROR MSG RECEIVED
             IP CONNECTION NAME=association1 ADPTR=M3UA
             ERROR CODE=Missing Parameter (0x16)
             Report Date:02-07-21 Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Contact far end node and investigate reason for error.

1340 - REPT COND: TRBL resynch required

Under conditions of prolonged, high alarm activity the alarm processing capacity of the EAGLE 5 ISS can be reached. In an effort to keep the internal state machine current, alarms normally generated to the **UI** are discarded.

Under this scenario, when alarm processing recovers sufficiently, this message is generated to indicate to the attached network or element management systems that they should resynchronize with the EAGLE 5 ISS.

The generation of this message is expected to be limited to large configurations during severe outages, and the expected occurrence rate of this message is low; however, it has been added as a precaution. Although alarms may have been discarded, the internal alarm state of the EAGLE 5 ISS has been maintained and is stable.

Example

```
tekelecstp 99-03-09 12:01:43 EST EAGLE 35.0.0
5061.1340 SYSTEM INFO REPT COND: TRBL resynch required
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

The attached network or element management systems (such as Harris NetBoss) should use this message as an indication that they should perform the following command to synchronize alarm status with the EAGLE 5 ISS:

```
rept-stat-trbl
```

Note:

Network or element management systems attached through terminals configured as **EMSALM** type terminals must not filter this message. See the `chg-trm` command in the *Commands Manual* for further details.

1.

2. Use the following command to check whether **GTT** selectors in the arrived **MSU** are provisioned in **SCCPOPTS** table:

```
rtrv=sccpopts
```

3. If the **SCCPOPTS** table does not have an entry with the **GTT** selectors in the arrived **MSU**, use the following command to add a record with the **GTT** selectors in the arrived **MSU** to the **SCCPOPTS** table:

```
ent-sccpopts
```

1345 - CRD Auto-Clear Sent to All MTP Cards

EAGLE 5 ISS generates this **UIM** when Circular **Route** Auto-Recovery procedure clears the Circular **Route** Detection (**CRD**) status of a destination that was marked prohibited.

Example

```
RLGHNCXA21W 03-04-18 19:02:05 EST  EAGLE 36.0.0
1234.1345    CARD 1203     INFO      CRD Auto-Clear Sent to All MTP Cards
DPC=001-001-001
Report Date:06-06-19  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1347 - IS-41 Digits - Bad Encoding Scheme

EAGLE 5 ISS has rejected the **ANSI IS** 41 **INP** Query message, because the encoding scheme of the **DIGITS** parameter of the **ANSI IS-41 TCAP** portion is invalid.

Example

```
tklc1091301 07-01-19 03:31:57 EST EAGLE5 36.0.0-57.9.0
6925.1347 CARD 2113 INFO IS-41 Digits - Bad Encoding Scheme
SIO=83 OPC= 0-000-0-aa DPC= 5-090-5-aa
CDPA: AI=d3 SSN=250 TT=025
ADDR=197055512340
CGPA: AI=c3 PC= 1-137-4-aa SSN=250
DATA=23 e2 21 c7 04 00 00 00 00 e8 19 e9
17 cf 01 00 d1 02 09 3e f2 0e 84 0c
01 01 12 0f 76 18 79 70
LSN=ls1102n0
Report Date:07-01-19 Time:03:31:57
```

Alarm Level: No **Alarm** condition. Message is for information only.

Recovery

Ensure **ANSI IS** 41 **INP** Query message contains only digits with **BCD** encoding scheme.

1348 - IS-41 Number of dgts exceeds the maximum

EAGLE 5 ISS has rejected the **ANSI IS** 41 **INP** Query message; because the number of digits in the **DIGITS** parameter exceeds 21 digits.

Example

```
tklc1091301 07-01-19 03:34:40 EST EAGLE5 36.0.0-57.9.0
6936.1348 CARD 2317 INFO IS-41 Num of dgts exceeds the maximum
```

```
SIO=83 OPC= 0-000-0-aa DPC= 5-090-5-aa
CDPA: AI=d3 SSN=250 TT=025
ADDR=197055512340
CGPA: AI=c3 PC= 1-137-4-aa SSN=250
DATA=27 e2 25 c7 04 00 00 00 00 e8 1d e9
1b cf 01 00 d1 02 09 3e f2 12 84 10
01 01 11 18 76 18 79 70
LSN=ls1102n0
Report Date:07-01-19 Time:03:34:40
```

Alarm Level: No **Alarm** condition. Message is for information only.

Recovery

Ensure **ANSI IS** 41 **INP** Query message's **DIGITS** parameter contains less than 21 digits.

1349 - MSU invalid size – discarded

An **MSU** less than 5 bytes or greater than 279 bytes was detected by the **MTP** layer 3 software in an **ATM** card. A four byte **MSU** may cause the **ATM** connection to bounce (four byte **PDU**s are used for **SSCF** control). **MSU** length limit is 279 bytes.

Example

```
2864.1349    CARD 6112,A  INFO    MSU invalid size - discarded
             LEN=114
             SIO=93  OPC=  227-040-000    DPC=  209-122-150
             DATA=09 81 03 0c 15 09 89 06 0a 21 80 95
                   97 10 89 09 89 95 0a 21 80 95 89 30
                   03 44 62 42
             LSN=n209068063
             Report Date:13-11-09  Time:09:48:33
```

Note: The length of the MSU (for example, LEN=114) includes the length of the SIF plus some other parameters. The length of these other parameters varies depending on the protocol managed by the LIM card issuing the UIM.

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1350 - Discrd Rcvd Lrg MSU CTRL-FEAT Off

IPL receives on a M2PA connection a large MSU greater than 272 bytes and the feature is not enabled.

Example

```
    0047.1350    CARD 1113     INFO    Discrd Rcvd Large MSU CTRL-FEAT Off
                 LEN=50
                 SIO=04   OPC=   016-032-048    DPC=   032-032-048
                 DATA=01 02 03 04 05 06 07 08 09 0a 0b 0c
                      0d 0e 0f 10 11 12 13 14 15 16 17 18
                      19 1a 1b 1c
                 LSN=ls211
                 Report Date:12-12-15  Time:11:01:50
;
```

Note: The length of the MSU (for example, LEN=50) includes the length of the SIF plus some other parameters. The length of these other parameters varies depending on the protocol managed by the LIM card issuing the UIM.

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. Enter the following command to retrieve information about controlled features:

   `rtrv-ctrl-feat`

   The output of the `rtrv-ctrl-feat` command displays information about the enabled features.

2. The alarm will be cleared when the feature is enabled using the `enable-ctrl-feat` command.

1351 - Discrd Trans Lrg MSU Unsupported SLK

An **MSU** less than 5 bytes or greater than 279 bytes was detected by the **MTP** layer 3 software in an **ATM** card. A four-byte **MSU** may cause the **ATM** connection to bounce (four byte **PDUs** are used for **SSCF** control). The **MSU** length limit is 279 bytes. IN this case, an SSEDCM-IPLIM SAAL/TALI signaling link receives from IMT a large MSU greater than 272 bytes. The discard occurs on the outbound card.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 37.0.0
0003.1351    CARD 1105,B   INFO     Discrd Trans Lrg MSU Unsupported SLK
             LEN=475
             SIO=0D   OPC=001-001-001    DPC=002-002-002
             LSN=ABCD123
             Report Date:yy-mm-dd  Time:hh:mm:ss
```

Note: The length of the MSU (for example, LEN=50) includes the length of the SIF plus some other parameters. The length of these other parameters varies depending on the protocol managed by the LIM card issuing the UIM.

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1352 - Discrd Rcvd Lrg MSU Unsptd Outbnd SLK

An IP7 GPL receives a large MSU greater than 272 bytes, the BICC controlled feature is on, there are available routes for the destination point code, but selected outbound card does not support large MSUs.

Example

```
    0049.1352    CARD 1113     INFO    Discrd Rcvd Lrg MSU Unsprtd Outbnd SLK
                 LEN=50
                 SIO=04   OPC=   016-032-048    DPC=   032-032-048
                 DATA=01 02 03 04 05 06 07 08 09 0a 0b 0c
                      0d 0e 0f 10 11 12 13 14 15 16 17 18
```

```
                    19 1a 1b 1c
               LSN=ls211
               Report Date:12-12-15  Time:11:02:11
;
```

Note: The length of the MSU (for example, LEN=50) includes the length of the SIF plus some other parameters. The length of these other parameters varies depending on the protocol managed by the LIM card issuing the UIM.

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1353 - DTA Bypassed for Rcvd Lrg MSU

An IP7 GPL receives a large MSU that triggers DTA processing instead of converting the MSU (the MSU is routed normally, DTA is bypassed).

Example

```
    0050.1353    CARD 1113     INFO    DTA Bypassed for Rcvd Large MSU
                 LEN=50
                 SIO=04   OPC=   016-032-048    DPC=   032-032-048
                 DATA=01 02 03 04 05 06 07 08 09 0a 0b 0c
                      0d 0e 0f 10 11 12 13 14 15 16 17 18
                      19 1a 1b 1c
                 LSN=ls211
                 Report Date:12-12-15  Time:11:02:21
;
```

Note: The length of the MSU (for example, LEN=50) includes the length of the SIF plus some other parameters. The length of these other parameters varies depending on the protocol managed by the LIM card issuing the UIM.

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1354 - STPLAN Copy Bypassed for Lrg MSU

An IP7 GPL receives a large MSU that triggers STPLAN copy instead of copying the MSU (STPLAN is bypassed).

Example

```
    0051.1354    CARD 1113     INFO    STPLAN Copy Bypassed for Large MSU
                 LEN=50
                 SIO=04   OPC=   016-032-048    DPC=   032-032-048
                 DATA=01 02 03 04 05 06 07 08 09 0a 0b 0c
                      0d 0e 0f 10 11 12 13 14 15 16 17 18
                      19 1a 1b 1c
                 LSN=ls211
                 Report Date:12-12-15  Time:11:02:31
;
```

Note: The length of the MSU (for example, LEN=50) includes the length of the SIF plus some other parameters. The length of these other parameters varies depending on the protocol managed by the LIM card issuing the UIM.

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1356 - EXT BERT terminated with OAM switchover

This message is issued when the Extended BERT is aborted due to OAM switchover.

Example

```
RLGHNCXA21W 09-09-07 16:20:19 EST EAGLE 42.0.0
    0023.1356    CARD 1115     INFO     EXT BERT terminated with OAM switchover
                 Report Date:09-09-07  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1357 - Negotiation at 100Mbps/Full Duplex failed

The negotiation for data rate and traffic flow did not result in 100 Mbps and full duplex mode respectively, for all data links.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 37.0.0
0010.1357    CARD 1103     INFO    Negotiation at 100Mbps/Full Duplex failed
             DLK configuration: SPEED = 100 Mbps, DUPLEX = HALF
             Report Date:00-02-07  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Use a valid combination of speed and duplex parameters on the card and Ethernet switch for configuring a data link. An invalid combination may cause link degradation and unreliable behavior.

1358 - MSU discarded - too big after MTP conv.

- When ITUI or ITUN MSU, routed to ANSI or ITUN24 network, with SI less than or equal to 5 is received on any card type where the original MSU is of sufficient size that when the 14-bit point codes are converted to 24-bit point codes the resulting converted MSU will have SIF greater than 272 bytes.
- When ITUI or ITUN MSU, routed to ANSI or ITUN24 network, with SI ranging from 6 to 15 is received on any non-IP card type where the original MSU is of sufficient size that when the 14-bit point codes are converted to 24-bit point codes the resulting converted MSU will have SIF greater than 272 bytes. The MSU will be discarded even if the outbound linkset is on IP card type and Large MSU Support is enabled (Large MSU for IP Sig, Feature P/N 893018401) because

conversion is performed on the inbound card, so both the inbound and outbound cards must be able to support MSU greater than 272 bytes.

- When ITUI or ITUN MSU, routed to ANSI or ITUN24 network, with SI ranging from 6 to 15 is received on any IP card type where the original MSU is of sufficient size that when the 14-bit point codes are converted to 24-bit point codes the resulting converted MSU will have SIF greater than 4095 bytes.

Example

```
    0055.1358    CARD 1113     INFO    MSU discarded - too big after MTP conv.
                 LEN=50
                 SIO=04   OPC=   016-032-048    DPC=   032-032-048
                 DATA=01 02 03 04 05 06 07 08 09 0a 0b 0c
                      0d 0e 0f 10 11 12 13 14 15 16 17 18
                      19 1a 1b 1c
                 LSN=ls211
                 Report Date:12-12-15  Time:11:03:11
;
```

Note: The length of the MSU (for example, LEN=50) includes the length of the SIF plus some other parameters. The length of these other parameters varies depending on the protocol managed by the LIM card issuing the UIM.

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action required.

1359 - SCCP Looping Detected

When a SCCP Looping condition is found, the mode of operation of the loopset will be notify or discard (based on provisioning). The mode of operation either only notifies the user (via this UIM), or notifies the user (via this UIM) and discards the MSU. The data shown in the output will be from the original MSU, before any GTT modifications were applied to it.

A hop counter violation message is also sent by EAGLE to the UDTS. The message indicates either ANSI or ITU Networks based on the provisioned GTT Translation point code type.

Example

```
nbsa01 12-01-23 19:41:10 BRA  EAGLE5 41.1.1-62.67.1
    0527.1359    CARD 3217    INFO    SCCP Looping Detected
                 SIO=83  OPC=  000-004-666      DPC=  000-006-500
                 SCCP MSG TYPE=09
                 CDPA:  NI=0  RI=0  GTI=04  SSNI=1  PCI=0
                        TT=000  NP=01  NAI=004  ADDR=554197388383
                        PC=--------------    SSN=008
                 CGPA:  NI=0  RI=0  GTI=04  SSNI=1  PCI=0
                        TT=000  NP=01  NAI=004  ADDR=551181134001
                        PC=--------------    SSN=008
                 LSN=ylrjo1  GTTSETIDX=(0)
                 Report Date:12-01-23  Time:19:41:00
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Analysis of measurements and messages is required to ensure messages are correctly being discarded.

> **Note:** Entering the wrong data in the SCCP Loop Table and/or incorrectly connecting a GTT translation with a particular SCCP Loop Table entry could result in unwanted traffic loss.

Refer to the *Commands Manual* for more information using `ENT/CHG/DEL/RTRV-LOOPSET` commands.

1. Remove invalid or unwanted entries from the SCCP Loop Tables.
2. Create a valid SCCP Loop Table entry for a GTT translation if the available tables are valid for other translations, but not the one in error.
3. Set the "notify only" mode until confidence is gained in the EAGLE SCCP Loop Tables, this is also the recommended setting for initial provisioning with a subsequent change.
4. Periodic auditing of UIMs to ensure that valid messages are not being discarded.

1360 - Inv SR-5129 msg rcvd, Bad Src.

An SR-5129 message was received with a bad source name in the message header.

Example

```
station1234 06-12-21 16:28:08 EST Rel 37.5.0-58.12.0
0020.1360    SYSTEM        INFO     Inv SR-5129 msg rcvd, Bad Src.
             Terminal = 17
             Name = SNAMNJCCSM1YSA701
             Report Date:06-12-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1361 - Inv SR-5129 msg rcvd, Bad Dst.

An SR-5129 message was received with a bad destination name in the message header.

Example

```
station1234 06-12-21 16:28:08 EST Rel 37.5.0-58.12.0
0020.1361    SYSTEM        INFO     Inv SR-5129 msg rcvd, Bad Dst.
             Terminal = 17
             Name = SNAMNJCCSM1YSA701
             Report Date:06-12-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1362 - Inv SR-5129 msg rcvd, Bad Ver.

An SR-5129 message was received with a bad version in the message header.

Example

```
    station1234 06-12-21 16:28:08 EST Rel 37.5.0-58.12.0
    0020.1362    SYSTEM         INFO    Inv SR-5129 msg rcvd, Bad Ver.
                 Terminal = 17
                 Ver = xxxx
                 Report Date:06-12-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1363 - SR-5129 Err Msg rcvd Err Code 1(Bad Src)

An SR-5129 Error Message received with Error Code as 1 (Bad Source).

Example

```
    station1234 06-12-21 16:28:08 EST Rel 37.5.0-58.12.0
    0020.1363    SYSTEM         INFO    Inv SR-5129 Err Msg rcvd Err Code 1(Bad
Src)
                 Terminal = 17

                 Report Date:06-12-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1364 - SR-5129 Err Msg rcvd Err Code 2(Bad Dst)

An SR-5129 Error Message received with Error Code as 2 (Bad Destination).

Example

```
    station1234 06-12-21 16:28:08 EST Rel 37.5.0-58.12.0
    0020.1364    SYSTEM         INFO    Inv SR-5129 Err Msg rcvd Err Code 2(Bad
Dst)
                 Terminal = 17

                 Report Date:06-12-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1365 - SR-5129 Err Msg rcvd Err Code 3(Bad Ver)

An SR-5129 Error Message received with Error Code as 3 (Bad Version).

Example

```
    station1234 06-12-21 16:28:08 EST Rel 37.5.0-58.12.0
    0020.1365    SYSTEM         INFO    Inv SR-5129 Err Msg rcvd Err Code 3(Bad
Ver)
                 Terminal = 17

                 Report Date:06-12-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1366 - SR-5129 Err Msg rcvd Err Code Other

An SR-5129 Error Message received with Error Code other than 1, 2 and 3.

Example

```
    station1234 06-12-21 16:28:08 EST Rel 37.5.0-58.12.0
    0020.1366    SYSTEM         INFO    Inv SR-5129 Err Msg rcvd Err Code
Other
                 Terminal = 17

                 Report Date:06-12-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1367 - SOIP connection failed.

Failed to start SOIP connection.

Example

```
    station1234 06-12-21 16:28:08 EST Rel 37.5.0-58.12.0
    0009.1367    SYSTEM        INFO     SOIP connection failed.
                 Terminal=17
                 IPADDR=192.168.57.52
                 PORT = 2336
                 Report Date:06-12-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1368 - Inv SR-5129 msg rcvd, Other

An SR-5129 Message Received with error other than Bad Source Name, Bad Destination Name and Bad Version in the Message Header.

Example

```
    station1234 06-12-21 16:28:08 EST Rel 37.5.0-58.12.0
    0020.1368    SYSTEM         INFO    Inv SR-5129 msg rcvd, Other
                 Terminal = 17

                 Report Date:06-12-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1369 - ISUP IAM decode failed

An ISUP IAM decode failed with error other than Bad Source Name, Bad Destination Name, and Bad Version in the Message Header.

Example

```
        1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890
    0020.1369    CARD 1201,A INFO      ISUP IAM decode failed
                 SIO=3   OPC=&&-001-001-001 DPC=&&-002-002-002
                 DATA=26 80 03 09 0e 06 09 00fe 08 50 55 43
                      00
                 LSN=LS0032
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1370 - ISUP IAM Cld Pty decode failed

An ISUP IAM Cld Pty decode failed with error other than Bad Source Name, Bad Destination Name and Bad Version in the Message Header.

Example

```
        1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890
    0020.1370    CARD 1201,A INFO      ISUP IAM Cld Pty decode failed
                 SIO=3   OPC=&&-001-001-001 DPC=&&-002-002-002
                 DATA=26 80 03 09 0e 06 09 00fe 08 50 55 43
                      00
                 LSN=LS0032
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1371 - ISUP encode Failed

An ISUP encode failed with error other than Bad Source Name, Bad Destination Name and Bad Version in the Message Header.

Example

```
        1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890
    0020.1371    CARD 1201,A INFO      ISUP encode failed
                 SIO=3   OPC=&&-001-001-001 DPC=&&-002-002-002
                 DATA=26 80 03 09 0e 06 09 00fe 08 50 55 43
                      00
                 LSN=LS0032
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1372 - SLTC Failure-SLTM not sent, Invalid SIO

The EAGLE attempted to send SLTM with SIO=2 for ITU APC.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 37.0.0
1230.1372    CARD 1201,A   INFO    SLTC Failure-SLTM not sent, Invalid SIO
             ADJ PC=001-001-001        SLC=02    LEN=0f
             DATA=01 02 03 04 05 06 07 08 09 10 11 12 13 14 15
             Report Date:00-02-07  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Change the sltset corresponding to the link/port to the one that has sio=1 (Regular SLTM message).

Note: Special maintenance messages are not supported for ITU PCs.

1373 - TFC Generated for Congested Link

Implementation of auto decrementing of congestion abatement is multicast to all MTP cards (SRC and DEST).

In both ANSI and ITU networks, UIM 1373 indicates the level of congestion; for example, CONG STATUS=00**1** is a lower level of congestion than CONG STATUS=00**3** (the highest level of congestion).

For **M3UA** links, signaling congestion (**SCON**) network-management messages also report congestion:

- In an **ANSI** network, the value in the SCON always matches the value in UIM 1373.
- In a non-ANSI (**ITU**) network, SCON messages report only 0 (not congested) or 1 (congested), so the congestion value reported in UIM 1373 can differ from the value in the SCON. For example, if UIM 1373 reports CONG STATUS=00**2** or CONG STATUS=00**3**, then the value in the related SCON will be **1** (not 2 or 3).

Example

```
   station1234 02-07-21 16:28:08 EST Rel 37.0.0 -46.12.0
   8441.1373    CARD 1101,A   INFO      TFC Generated for Congested Link
                DPC=   001-115-000    CPC=   008-001-001
                CONG SLK: 1305,A3     CONG STATUS=001
  Report Date:07-01-05  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. Use local troubleshooting procedures to determine the cause for congestion.

1374 - SMS B-Party address decode failed

An error was detected during decode of SMS message destination address.

Example

```
tekelecstp 02-03-20 07:40:50 EST  EAGLE 39.1.0-61.4.0
6815.1374    CARD 1103     INFO    SMS B-Party Address decode failed
             SIO=83   OPC=   002-002-001    DPC=   009-008-007
             CDPA: AI=8b  SSN=002  TT=006
                   ADDR=110000
             CGPA: AI=43  PC=   002-002-001     SSN=002
             DATA=49 e2 47 c7 04 47 04 25 1e e8 3f e9
                  3d cf 01 e9 d1 02 09 35 f2 34 9f 69
                  01 00 9f 74 02 00 00 89
             LSN=ls221
             Report Date:02-03-20  Time:07:40:50
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

The message should be analyzed to determine the error, and the originating node should be contacted to send corrected message.

When processing MSU for SMS MO, this UIM is generated when one of the following occurs:

- Mandatory SM-RP-UI parameter is absent from the MO ForwardSM message.
- The TPDU type is SMS-SUBMIT and the parameter length is less then 4 + number of digit bytes specified in the number of digit field.
- The TPDU type is SMS-COMMAND and the parameter length is less then 7 + number of digit bytes specified in the number of digit field.
- Number of digits is 0 or greater than 20.

1375 - SMS B-party Failed to modify TCAP MSU

The formatted outbound digit string length generated by SMS NP for encoding the TCAP message exceeded system limits.The formatted outbound digit string length generated by SMS NP or MO SMS B-Party Routing for encoding the TCAP message exceeded system limits.

Example

```
tekelecstp 02-03-20 07:40:50 EST  EAGLE 39.1.0-61.4.0
6815.1375    CARD 1103     INFO    SMS B-party Failed to modify TCAP MSU
             SIO=83   OPC=   002-002-001    DPC=   009-008-007
             CDPA: AI=8b  SSN=002  TT=006
                   ADDR=110000
             CGPA: AI=43  PC=   002-002-001     SSN=002
             DATA=49 e2 47 c7 04 47 04 25 1e e8 3f e9
                  3d cf 01 e9 d1 02 09 35 f2 34 9f 69
                  01 00 9f 74 02 00 00 89
             LSN=ls221
             Report Date:02-03-20  Time:07:40:50
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

The message and outbound digits formatting options should be analyzed to determine the error and the originating node or the requested outbound digit formatting option should be modified to correct the encoding error.

This UIM is generated when processing MSU for SMS MO and TCAP message needed to be expanded to accommodate new digits and either

- New SM-RP-UI parameter length exceeds 127 digits.
- The length of new parameter sequence, Invoke component, component portion or TCAP package exceeds 127 bytes.
- The SCCP user data length (TCAP payload size) exceeds 255 bytes.
- The MSU length exceeds 279 bytes.

1376 - SMS Failed to modify B-Party digits

During processing of SMS message, the formatted outbound digit string length exceeded limit for number of digits.

This message is raised when:

- During processing of SMS message, the formatted outbound digit string length exceeded limit for number of digits.
- For MO SMS B-Party routing, AMGTT data provisioned in the GTT Table entry corresponding to MAP B-Party number is used to modify MAP B-Party digits. If outbound length exceeds 20 or becomes less than 0.

Example

```
tekelecstp 02-03-20 07:40:50 EST  EAGLE 39.1.0-61.4.0
6815.1376    CARD 1103     INFO    SMS Failed to modify B-Party digits
             SIO=83   OPC=   002-002-001    DPC=   009-008-007
             CDPA: AI=8b  SSN=002  TT=006
                   ADDR=110000
             CGPA: AI=43  PC=   002-002-001     SSN=002
             DATA=49 e2 47 c7 04 47 04 25 1e e8 3f e9
                  3d cf 01 e9 d1 02 09 35 f2 34 9f 69
                  01 00 9f 74 02 00 00 89
             LSN=ls221
             Report Date:02-03-20  Time:07:40:50
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

The message and the digit format provisioning should be analyzed to determine the error and the originating node or the requested outbound digit formatting option should be modified to correct the encoding error. For MO SMS B-Party Routing, AMGTT data (NSDD/NPDD/NSDS/NPDS) provisioned in GTT entry corresponding to MAP B-Party number should be modified to correct the encoding error.

This UIM is generated when SMS NP or MO SMS B-Party Routing feature generated an outbound digit string for encode in TCAP message, which exceeded 20 digits in length or is less than 0 digits in length forcing SMS NP/MO SMS B-Party Routing to route original MSU.

1378 - Inh VFlex SS request already outstanding

A second attempt to inhibit the V-Flex subsystem has been made while the first is still being processed. The second attempt will be ignored.

Example

```
tekelecstp 07-03-09 12:01:43 EST EAGLE 37.6.0
5061.1378 SYSTEM INFO Inh VFlex SS request already outstanding
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1379 - Failure Inhibiting VFlex SS

The attempted inhibit of the V-Flex subsystem failed. A response SOG was not received from the mate.

Example

```
tekelecstp 07-03-09 12:01:43 EST EAGLE 37.6.0
5061.1379 SYSTEM INFO Failure Inhibiting VFlex SS
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1380 - VFLEX: No RN digits provisioned

The digits in the VMS at the requested VMRN index were not provisioned. The provisioning information for the VMS ID accessed via the MSU information should be verified.

Example

```
RLGHNCXA21W 07-07-21 12:01:43 EST  EAGLE 37.6.0
0002.1380    SYSTEM        INFO      VFlex: RN is not provisioned
          SIO=03   OPC=001-001-001      DPC=002-002-002
             SCCP MSG TYPE=04
             CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=250  NP=04  NAI=010  ADDR=1234567890901
                    PC=003-003-003       SSN=005
             CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=100  NP=07  NAI=012  ADDR=012345677890
                    PC=001-001-001       SSN=004
             LSN=ABCD123  GTTSET=3 203 46
             Report Date:07-07-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Verify the VMS ID accessed via the MSU information.

1381 - VFlex: CD entry not found

The call decision table entry matching the incoming MSU criteria is not found. Call decision tree provisioning should be updated.

Example

```
RLGHNCXA21W 07-07-21 12:01:43 EST  EAGLE 37.6.0
0002.1381    SYSTEM        INFO      VFlex: CD entry not found
          SIO=03   OPC=001-001-001      DPC=002-002-002
             SCCP MSG TYPE=04
             CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=250  NP=04  NAI=010  ADDR=1234567890901
                    PC=003-003-003       SSN=005
             CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=100  NP=07  NAI=012  ADDR=012345677890
                    PC=001-001-001       SSN=004
             LSN=ABCD123  GTTSET=3 203 46
             Report Date:07-07-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Call decision tree provisioning should be updated.

1382 - Too many digits for DRA parameter

Too many digits in the DRA parameter to encode.

Example

```
RLGHNCXA21W 07-07-21 12:01:43 EST  EAGLE 37.6.0
0002.1382    SYSTEM        INFO      Too many digits for DRA parameter
          SIO=03   OPC=001-001-001      DPC=002-002-002
             SCCP MSG TYPE=04
             CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=250  NP=04  NAI=010  ADDR=1234567890901
                    PC=003-003-003       SSN=005
             CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=100  NP=07  NAI=012  ADDR=012345677890
                    PC=001-001-001       SSN=004
             LSN=ABCD123  GTTSET=3 203 46
             Report Date:07-07-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Decrease the number of RN digits or modify the querying node to send fewer digits in DN.

1383 - SLTC Failed: No route to APC on linkset

An SLTC message is sent/received for a linkset that is not in the route-set of its APC.

Example

```
  1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890
    8606.1383    CARD 1105,B   INFO    SLTC Failed: No route to APC on linkset
```

```
ADJ PC=   002-14-00       SLC=000   LEN=002
DATA=11 77
Report Date:02-04-01  Time:17:40:42
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1392 - IDPRCDPN(X) NPP SERVICE is OFF

The status of the IDPRCDPN(X) NPP service is OFF while processing an IDP message.

Example

```
1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890
        tekelecstp 20-12-11 03:56:48 WET  UNKNOWN ??.?.?-64.12.0
5090.1392    CARD 1105     INFO    IDPRCDPN(X) NPP SERVICE is
OFF                      Report Date:20-12-11  Time:03:56:48
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. Enter the following command to check the status of the IDPRCDPN(X) service:
   `rtrv-npp-serv:srvn=idprcdpn:mode=full`

   The following is an example of a possible output.

```
rtrv-npp-serv:srvn=idprcdpn:mode=full

    tekelecstp 11-01-28 08:34:00 EST  43.0.0-63.51.0
    rtrv-npp-serv:srvn=idprcdpn:mode=full
    Command entered at terminal #4.

    SERVICE     STATUS  SA          PRECEDENCE  FNAI  NAI
    ------------------------------------------------------
    idprcdpn    off     cdial       10          unkn  0
                        ccncchk     100         intl  4
                        cdpnnp      80          natl  3
                        lacck       60          nai1  none
                        cgpnsvcrqd  60          nai2  none
                        asdlkup     50          nai3  none
                        grnlkup     50
                        cgpnasdrqd  50
                        cgpngrnrqd  50
                        inprtg      95
                        skgtartg    50

                               DELIMITERS
        dlma=none              dlmb=none              dlmc=none
        dlmd=none              dlme=none              dlmf=none
        dlmg=none              dlmh=none              dlmi=none
        dlmj=none              dlmk=none              dlml=none
        dlmm=none              dlmn=none              dlmo=none
        dlmp=none

;
```

2. Use the following command to enable the IDPRCGPN(X) NPP service: `chg-npp-serv:srvn=idprcgpn:mode=full`

   This is an example of a possible output.

```
rtrv-npp-serv:srvn=idprcgpn:mode=full

    tekelecstp 11-01-28 08:37:46 EST  43.0.0-63.51.0
    rtrv-npp-serv:srvn=idprcgpn:mode=full
    Command entered at terminal #4.

    SERVICE     STATUS  SA          PRECEDENCE  FNAI  NAI
    ------------------------------------------------------
    idprcgpn    off     cdial       10          unkn  0
                        cgpnnp      80          intl  4
                        asdlkup     50          natl  3
                        grnlkup     50          nai1  none
                        blklstqry   90          nai2  none
                        blklstrly   90          nai3  none
                        cgpnrtg     70
                        inprtg      95

                                DELIMITERS
        dlma=none               dlmb=none               dlmc=none
        dlmd=none               dlme=none               dlmf=none
        dlmg=none               dlmh=none               dlmi=none
        dlmj=none               dlmk=none               dlml=none
        dlmm=none               dlmn=none               dlmo=none
        dlmp=none

;
```

1393 - IDPRCGPN NPP SERVICE is OFF

The status of the IDPRCGPN NPPservice is OFF while processing an IDP message.

Example

```
1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890
        tekelecstp 20-12-11 03:56:48 WET  UNKNOWN ??.?.?-63.33.0
        5090.1392    CARD 1105     INFO    IDPRCDPN NPP SERVICE is Off
                     Report Date:20-12-11  Time:03:56:48
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. Enter the following command to check the status of the IDPRCGPN service: `rtrv-npp-serv:srvn=idprcgpn`

   The following is an example of a possible output.

```
    tekelecstp 08-06-17 11:54:09 EST  39.0.0
    rtrv-npp-serv:srvn=idprcgpn
    Command entered at terminal #4.
    SERVICE     STATUS   FNAI   NAI    SA          PRECEDENCE
    ____________________________________________________________
    idprcgpn    off      unkn   0      cgpnnp      100
                         intl   4
                         natl   3
                         nai1   none
```

```
                          nai2   none
                          nai3   none
;
```

2. Use the following command to enable the IDPRCDPN service: `chg-npp-serv:srvn=idprcgpn:status=ON`

1394 - Flushing undelivered MSUs

The destination EAGLE card for an SS7 message is not reachable by the origination EAGLE card and the dynamic database is not updated to reflect the unreachable status.

Example

```
 tekelecstp 02-01-05 20:39:14 MST  EAGLE 41.0
   0010.1394    CARD 1108     INFO    Flushing undelivered MSUs
                Card List: 1101, 1201, 1302, 2103, 2204
                LSN=lg1104a0
                Report Date:02-01-05  Time:20:39:14
;
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. Enter the following command to check the IMT bus status for both the source and destination card.

   `rept-stat-card:loc=x:mode=full`

   where*x* is the card location. The source card is identified in the message. The destination card can be obtained from the linkset name in UIM.

   Note: There could be several cards involved with the linkset name and thus they all should be checked.

   Following is an example of the possible output using card 1106:

```
 RLGHNCXA21W 08-01-21 12:01:43 EST  EAGLE 38.0.0
    CARD   VERSION      TYPE      APPL      PST           SST     AST
    1106   021-101-000  TSM       SCCP      IS-NR         Active  -----
      ALARM STATUS       = No Alarms.
      IMT VERSION        = 021-001-000
      PROM VERSION       = 021-001-000
      IMT BUS A          = Conn
      IMT BUS B          = Conn
      CLOCK A            = Active
      CLOCK B            = Idle
      CLOCK I            = Idle
      MBD BIP STATUS     = valid
      DB STATUS          = valid
      DBD MEMORY SIZE    = 64M
      SCCP SERVICE       = 1201, 1214, 1215, 1217, 1102
      SCCP % OCCUP       = 0%
      SLK A   PST        = OOS-MT           LS=ls11234567  CLLI=
      SLK B   PST        = OOS-MT           LS=ls11345678  CLLI=
      SNM    TVG RESULT  = 24 hr: ------,  5 min: ------
      SLAN   TVG RESULT  = 24 hr: ------,  5 min: ------
```

```
  SCCP   TVG RESULT  = 24 hr: ------,  5 min: ------
Command Completed.
```

2. Make sure the cards are correctly connected to both A and B buses of the IMT.

1395 - Inh ATINPQ SS request alrdy outstanding

A second attempt to inhibit the ATINPQ subsystem has been made while the first is still being processed. The second attempt will be ignored.

Example

```
    station1234 06-12-21 16:28:08 EST Rel 39.2.0
    0020.1395    CARD  1106    INFO     Inh ATINPQ SS request alrdy
outstanding
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1396 - Failure Inhibiting ATINPQ SS

The attempted inhibit of the ATINPQ subsystem failed. A response SOG was not received from the mate.

Example

```
    station1234 06-12-21 16:28:08 EST Rel 39.2.0
    0020.1396    CARD  1106    INFO     Failure Inhibiting ATINPQ SS
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1407 - Unexpected SI in TIF Stop Action

An MSU is received by TIF/TIF2/TIF3 stop action that is not ISUP. MSUs delivered to a TIF stop action that are not ISUP (SI=5) or TUP (SI=4) shall be routed without modification.

Example

```
    RLGHNCXA21W 09-09-21 16:20:19 GMT  EAGLE5 39.2.0
    0017.1407    CARD 1103,A   INFO      Unexpected SI in TIF Stop Action
                 SIO=08   OPC=001-001-001       DPC=s-002-002-002
                 DATA=12 34 56 78 90 12 34 56 78 90 12 34
                      56 78 90 12 34 56 78 90 12 34 56 78
                      12 34
                 SR=scrb  LSN=ABCD123
                 Report Date:09-09-21  Time:16:20:19
```

Legend

DATA
Information from the upper layers of **SCCP** management

DPC
Destination point code

LSN
Linkset name. The name must be unique.

OPC
Origination point code

SIO
Service information octet

SR
Screening reference name

Alarm Level: No alarm condition. The message is informational only.

Recovery

The TIF Support of TUP feature is not turned on.

1408 - TIF: Modified MSU too large to route

The MSU is too large to transmit after modification (>273 bytes from SIO onward). The original MSU is routed without modification.

Example

```
RLGHNCXA21W 09-09-21 16:20:19 GMT  EAGLE5 39.2.0
0017.1408    CARD 1103,A   INFO      TIF: Modified MSU too large to route
             SIO=03   OPC=001-001-001       DPC=002-002-002
             DATA=26 80 03 09 0e 06 09 00 fe 08 50 55 05
                  43 00 00 00 00 00
             LSN=ABCD123
             Report Date:09-09-21  Time:16:20:19
```

Legend

DATA
Information from the upper layers of **SCCP** management

DPC
Destination point code

LSN
Linkset name. The name must be unique.

OPC
Origination point code

SIO
Service information octet

SR
Screening reference name

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1410 - MOSMS: Migrated Subscriber with no entity

There is no entity defined in the RTDB for the migrated subscriber. The subscriber is found migrated and the migration prefix has to be the entity resulted from RTDB lookup.

Example

```
    tekelecstp 02-03-20 07:40:50 EST  EAGLE 40.1
    6815.1410    CARD 1103     INFO    MOSMS: Migrated Subscriber with no
entity
                 SIO=83   OPC=   002-002-001    DPC=   009-008-007
                 CDPA: AI=8b  SSN=002  TT=006
                       ADDR=110000
                 CGPA: AI=43  PC=   002-002-001     SSN=002
                 DATA=49 e2 47 c7 04 47 04 25 1e e8 3f e9
                      3d cf 01 e9 d1 02 09 35 f2 34 9f 69
                      01 00 9f 74 02 00 00 89
                 LSN=ls221
                 Report Date:02-03-20  Time:07:40:50
```

Alarm Level: No **Alarm** condition. Message is for information only.

Recovery

Ensure the subscriber has an Entity in the Database, or change MOIGMPFX value of IS41SMSOPTS Table.

1411 - TIF CgPN NS Failure: CC mismatch in DN

A CC mismatch in DN occurred during TIF framework conversion. The CgPN will not be modified.

Example

```
    tekelecstp 02-03-20 07:40:50 EST  EAGLE 41.0
    0226.1411    CARD 1101   INFO      TIF CgPN NS Failure: CC mismatch in DN
                 International CGPN: 911111012345678
                 EPAP DN           : 899111632226337

                 Report Date:08-09-10  Time:16:20:19
```

Alarm Level: No Alarm condition. Message is for information only.

Recovery

Verify the Public and Private DNs CC match. If the CCs do not match, reconcile the issue within the subscriber database.

1416 - MAP Missing Mandatory Parameters

MOSMS Feature could not decode the GSM MAP message, since there are missing mandatory parameters in the TCAP portion of the message. e.g. SM-RP-UI or SM-RP-OA.

Example

```
tekelecstp 02-03-20 07:40:50 EST  EAGLE 40.1
6815.1416    CARD 1103     INFO    MAP Missing Mandatory Parameters
             SIO=83   OPC=   002-002-001    DPC=   009-008-007
             CDPA: AI=8b  SSN=002  TT=006
                   ADDR=110000
             CGPA: AI=43  PC=   002-002-001     SSN=002
             DATA=49 e2 47 c7 04 47 04 25 1e e8 3f e9
                  3d cf 01 e9 d1 02 09 35 f2 34 9f 69
                  01 00 9f 74 02 00 00 89
             LSN=ls221
             Report Date:02-03-20  Time:07:40:50
```

Alarm Level: No **Alarm** condition. Message is for information only.

Recovery

Ensure the message contains all mandatory parameters.

1417 - PublicKey doesn't match known-host file

This message indicates that the SSH public key that is exchanged between the host and server has changed. This could be due to a legitimate configuration change on the server, or it could be caused by a security breach, such as a man-in-the-middle attack.

If strict-host-key-checking is in effect, the connection will be rejected. Otherwise, the new key will be automatically added to the known-host file

Example

```
    RLGHNCXA21W 13-07-30 21:18:09 EDT  EAGLE5 45.0.0-64.70.1
0130.1417    CARD 1113     INFO    PublicKey doesnt match known-host file
FTP Server IP Address =  xxx.xxx.xxx.xxx
;
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Contact the server system administrator to determine if the host key change is legitimate.

1424 - IMT A [B] requested to re-align at LOW [HIGH] Rate

This message is issued when a rate change request is sent by the OAM to the HIPR2 cards on a particular bus (to re-align at the requested rate). The HIPR2 cards will initiate the alignment protocol on receiving the request.

Example

```
RLGHNCXA21W 09-02-07 12:01:43 EST EAGLE 41.1.0
    0023.1424    CARD 1115     INFO     IMT A requested to re-align at HIGH Rate
                 Report Date:09-02-07  Time:12:01:43
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1425 - SMS A-party Address decode failed

Decoding fields of the SMS_OOA parameter of IS41 SMDPP message failed.

Example

```
tekelecstp 02-03-20 07:40:50 EST  EAGLE 40.1
6815.1425    CARD 1103     INFO    SMS A-party Address decode failed
             SIO=83   OPC=   002-002-001    DPC=   009-008-007
             CDPA: AI=8b  SSN=002  TT=006
                   ADDR=110000
             CGPA: AI=43  PC=   002-002-001     SSN=002
             DATA=49 e2 47 c7 04 47 04 25 1e e8 3f e9
                  3d cf 01 e9 d1 02 09 35 f2 34 9f 69
                  01 00 9f 74 02 00 00 89
             LSN=ls221
             Report Date:02-03-20  Time:07:40:50
```

Alarm Level: No Alarm condition. Message is for information only.

Recovery

Ensure that SMDPP message contains properly formatted SMS_OOA parameter.

1426 - S-Port: Missing GRN for srvc prtd subs

Service Portability required RTDB data “GRN” to format outbound digits, which was not found.

Example 1

```
0017.1042    CARD 1103,A   INFO      S-Port: Missing GRN for srvc prtd subs
               SIO=03   OPC=001-001-001       DPC=002-002-002
               INCM DN: 4605500
               COND DN: 19194605500
               LSN=ABCD123
```

Example 2

```
6850.1426    CARD 1103     INFO    S-Port: Missing GRN for srvc prtd subs
               SIO=83   OPC=   002-002-001    DPC=   009-008-007
               CDPA: AI=8b  SSN=002  TT=006
                     ADDR=987654
               CGPA: AI=09  PC=--------------     SSN=003
               INCM DN: 4605500
               COND DN: 19194605500
               LSN=ABCD123
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Verify that a GRN has been provisioned for the conditioned DN (specified in the *COND DN* field in the UIM output) in EPAP.

1427 - IAR CdPN parameter invalid or not found

This message is issued when the IAR Base feature cannot find a CdPN parameter within a message, when it cannot decode the parameter after it finds it, or when the parameter does not contain the required information in a usable format.

Example

```
RLGHNCXA21W 09-07-21 16:20:19 EST  EAGLE 41.1.0
0002.1427    CARD 1113     INFO      IAR CdPN parameter invalid or not found
             Report Date:09-07-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1428 - IAR CgPN parameter invalid or not found

This message is issued when the IAR Base feature cannot find the CgPN parameter within a message, when it cannot decode the parameter after it finds it, or when the parameter does not contain the required information in a usable format.

Example

```
RLGHNCXA21W 09-07-21 16:20:19 EST  EAGLE 41.1.0
0002.1428    CARD 1113     INFO      IAR CgPN parameter invalid or not found
             Report Date:09-07-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1429 - IAR TRIGTYPE invalid or not found

This message is issued when the IAR Base feature cannot find the **TRIGTYPE** parameter within a message, when it cannot decode the parameter after it finds it, or when the parameter does not contain the required information in a usable format.

Example

```
RLGHNCXA21W 09-07-21 16:20:19 EST  EAGLE 41.1.0
0002.1429    CARD 1113     INFO      IAR TRIGTYPE invalid or not found
             Report Date:09-07-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1430 - IAR CdPN parameter encoding failed

This message is issued when the IAR Base feature cannot encode the message after modifying its CdPN parameter. One way that this can occur without invalid data is when a CdPN parameter length increases, and the containing message grows too large.

Example

```
RLGHNCXA21W 09-07-21 16:20:19 EST  EAGLE 41.1.0
0002.1430    CARD 1113     INFO      IAR CdPN parameter encoding failed
```

```
                    Report Date:09-07-21  Time:16:20:19
```

Alarm Level: No Alarm condition. Message is for information only.

Recovery

No action necessary.

1431 - IAR CgPN parameter encoding failed

This message is issued when the IAR Base feature cannot encode the message after modifying its CgPN parameter. One way that this can occur without invalid data is when a CgPN parameter length increases, and the containing message grows too large.

Example

```
RLGHNCXA21W 09-07-21 16:20:19 EST  EAGLE 41.1.0
0002.1431    CARD 1113     INFO      IAR CgPN parameter encoding failed
             Report Date:09-07-21  Time:16:20:19
```

Alarm Level: No Alarm condition. Message is for information only.

Recovery

No action necessary.

1433 - AIQ: Inhibit request already pending

An `inh-map-ss` command is already entered and queued.

Example

```
RLGHNCXA21W 00-02-10 12:01:43 EST EAGLE 42.0.0
0014.1433 SYSTEM INFO AIQ: Inhibit request already pending
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1434 - AIQ: Failure Inhibiting SS

The `inh-map-ss` command did not take the AIQ subsystem off-line.

Example

```
RLGHNCXA21W 00-02-10 12:01:43 EST EAGLE 42.0.0
0014.1434 SYSTEM INFO AIQ: Failure Inhibiting SS
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Enter the `inh-map-ss` command with the force parameter.

1435 - AIQ: TriggerType not provisioned

This message indicates that the **AIQ** subsystem received an AIQ message where the value of the TriggerType parameter is not provisioned in the AIQOPTS table.

Example

```
5193.1435    CARD 1105     INFO    AIQ: TriggerType not provisioned
             SIO=83   OPC=   001-001-001    DPC=   009-008-007
             CDPA: AI=cb  SSN=014  TT=004
                   ADDR=9873946354
             CGPA: AI=cb  PC=   001-001-001     SSN=014
             DATA=3f e2 3d c7 04 00 01 02 03 e8 35 e9
                  33 cf 01 2a d1 02 09 40 f2 29 81 07
                  00 00 00 00 00 00 00 84
             LSN=ls1
             Report Date:20-08-29  Time:02:55:22
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Ensure the AIQ message's TriggerType parameter value is one of those provisioned in the AIQOPTS table.

1436 - AIQ: Unsupported Digits(Dialed) length

This message indicates that the **AIQ** subsystem received an AIQ message where the length of the Digits(Dialed) parameter is outside of the range provisioned in the AIQOPTS table.

Example

```
0643.1436    CARD 1105     INFO    AIQ: Unsupported Digits(Dialed) length
             SIO=83   OPC=   001-001-001    DPC=   009-008-007
             CDPA: AI=cb  SSN=014  TT=004
                   ADDR=9873946354
             CGPA: AI=cb  PC=   001-001-001     SSN=014
             DATA=3f e2 3d c7 04 00 01 02 03 e8 35 e9
                  33 cf 01 2a d1 02 09 40 f2 29 81 07
                  00 00 00 00 00 00 00 84
             LSN=ls1
             Report Date:20-08-29  Time:03:04:25
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Ensure the AIQ message's Digits(Dialed) parameter length is within the range provisioned in the AIQOPTS table.

1437 - IMT [A|B]: Rate change not initiated

This message is issued when the IMT Rate change could not proceed due to bus being in alarming state.

Example

```
RLGHNCXA21W 09-02-07 12:01:43 EST EAGLE 41.1.0
    0023.1437    CARD 1115     INFO      IMT A: Rate change not initiated
                 Report Date:09-02-07  Time:12:01:43
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Although no action is required, this message can serve as a notification to verify status of the IMT bus and to start recovery procedures if needed.

1. Enter the `rept-stat-imt` command to verify the status of the IMT bus.
2. Replace any faulty cards with a new HIPR2 card.
3. Contact the My Oracle Support (MOS) for more information.

1439 - SIP card exceeded threshold TPS

The alarm indicates that the SIP card has reached maximum TPS.

Example

```
1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890
    xxxx.1439    CARD 1106     INFO      SIP card exceeded threshold TPS
                 Report Date:13-09-03  Time:18:57:35
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Traffic must be reduced to the SIP card. Failure to reduce SIP card traffic may result in traffic or card failure.

1440 - G-Flex MLR: Op with bad MSISDN skipped

The G-Flex MLR Function encountered an MSISDN parameter that contains fewer than 5 digits or more than 15 digits

Example

```
    station1234 06-12-21 16:28:08 EST Rel 42.0.0
    0020.1440    CARD  1106    INFO     G-Flex MLR: Op with bad MSISDN
skipped
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Abnormal length of the MSISDN indicates a configuration issue on the far-end node, which can be confirmed with a message trace.

1441 - IP Info mismatch, card reset required

The card stated in the message has an IP mismatch and must be reset. This occurs when the database is updated and a manual reset must be performed for the newly provisioned values to be used.

The IP configuration commands support the MCAP locations when OAMHC is running. Usually these commands require the target card to be inhibited, however for MCAP locations, the command is expected to be run while the card is IS-NR. Since these commands result in a database update, they require the MCAP to be IS-NR. Once the database has been modified, manual reset of the card must be performed for the newly provisioned values to be used. A notice is displayed to the user regarding the reset requirement for an MCAP location. If the MCAP location is not reset, then a

UIM is displayed once every hour indicating that the card has an IP Mismatch and must be reset.

Example

```
RLGHNCXA03W 10-01-11 16:20:19 EST EAGLE 42.0.0
    0020.1441    CARD 1113     INFO      Active OAM IP mismatch, 1113 reset req
                 Report Date:10-01-11  Time:16:20:19


    0020.1441    CARD 1113     INFO      Standby OAM IP mismatch, 1115 reset req
                 Report Date:10-01-11  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Reset the card in the appropriate slot as specified in the message text.

1442 - Invalid EMP SCR Message Received

This UIM indicates that the EAGLE 5 ISS received and rejected an invalid Service Configuration Request (**SCR**) EMP message. The UIM includes the IP address where the request originated and the reason the EAGLE 5 ISS rejected the SCR message.

Example

```
    0020.1442    CARD 1106,A   INFO      Invalid EMP SCR Message Received
                 MSG Length=6
                 REQ EMP Version=4       RSP EMP Version=4
                 REQ Transaction ID=123  RSP Transaction ID=123
                 IMF IP Address= 172.21.48.15
                 Reason=Invalid Message Length
                 Report Date:10-02-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary if there is only one occurrence. If the condition continues, use the information provided in the message to debug the problem.

1445 - LNP Day Meas. Discarded for LRN

This message is indicates that the Daily **LNR** measurement counts are incorrect because of discards due to provisioning.

Example

```
RLGHNCXA03W 10-01-11 16:20:19 EST EAGLE 42.0.0
     0020.1015    CARD 1106     INFO      LNP Day Meas. Discarded for LRN
                 Report Date:02-07-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action required.

1449 - Binding Failed for screen set: <screen set name>

This UIM indicates a screen-set binding failure in Gateway Screening (**GWS**).

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
   0023.1449    CARD 1105    INFO       Binding Failed for screen set: ayyy
                Report Date:11-05-26  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Refer to the UIM for the name of the failed screen set. The LIM or Service Module card regenerates a binding request.

1450 - IDPRCDPN CDPN Encoding Failed

This UIM is raised if IDPRCDPN encoding fails.

Example

```
    1         2         3         4         5         6         7         8
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
    eagle4 02-03-06 14:31:03 MST  UNKNOWN ??.?.?-64.19.0
    9442.XXXX    CARD 1105     INFO    IDPR CDPN  encoding failed
                 SIO=03   OPC=   1-010-1        DPC=   1-001-1
                 CDPA: AI=0b  SSN=051  TT=025
                       ADDR=9900112233
                 CGPA: AI=4a  PC=--------------     SSN=051
                 INCM DN: 9992222226
                 COND DN: 9992222226
                 LSN=itu1
                 Report Date:02-03-06  Time:14:31:03
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

One or more of following actions must be taken:

1. The Formatting Action list in the **NPP** Action Set that processed the **IDP** Query must be corrected.
2. The data associated with **DN** in the **RTDB** must be corrected.
3. The message must have enough space for the **CDPN** parameter expansion.

1451 - IDPRCGPN CGPN Encoding Failed

This UIM is raised if IDPRCGPN encoding fails.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
        9452.1451    CARD 1105     INFO    IDPR CGPN  encoding failed
                 SIO=03   OPC=   1-010-1        DPC=   1-001-1
                 CDPA: AI=0b  SSN=051  TT=025
                       ADDR=9900112233
                 CGPA: AI=4a  PC=--------------     SSN=051
                 INCM DN: 9992222227
                 COND DN: 9992222227
                 LSN=itu1
                 Report Date:02-03-06  Time:14:37:31
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

One or more of following actions must be taken:

1. The Formatting Action list in the **NPP** Action Set that processed the **IDP** Query must be corrected.
2. The data associated with **DN** in the **RTDB** must be corrected.
3. The message must have enough space for the **CGPN** parameter expansion.

1452 - Invalid IP Address from SCTP Heartbeat Response

This UIM indicates an **SCTP** layer received a Heartbeat Response (HB) with a source IP address that did not match the IP address from where the original HB message was sent.

Example

```
   1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890
0388.1452    CARD 1308,A   INFO     SCTP HB ACK from unexpected IP address
   HB RESP IPADDR = 10.254.111.21
   HB RESP PORT   = 4002
   HB INFO IPADDR = 10.254.111.21
   HB INFO PORT   = 4002
   SNAME          = sg1308b
                Report Date:12-07-10  Time:13:45:24
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

Correct the IP network setup for the **SCTP** association.

1453 - EE Collection started

This UIM indicates collection has started on a network card when Eagle Eyes proper is in Active state.

Example

```
   1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890
0023.1453    CARD 1105     INFO      Collection started on card
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

None.

1454 - EE Collection end

This UIM indicates the collection ends when Eagle Eyes proper enters idle state.

Note: EAGLE may not output this UIM when Eagle Eye Collection termination is initiated by the system based on the set capture limit (SECLIM, PKTLIM, and KBLIM).

Example

```
   1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890
0023.1454    CARD 1105     INFO      EE Collection end
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

None.

1455 - EE Queue full, Packets Dropped

This UIM indicates the message queue on the GEDTI card is full; no more packets can be enqueued..

Example

```
   1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890
0023.1455    CARD 1105     INFO      EE Queue Full Packets Dropped
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

None.

1456 - Hub Congested, Packets Dropped

This UIM indicates the message queue between the GEDTI and EEPC is full.

Example

```
   1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890
0023.1456    CARD 1105     INFO      Hub Congested Packets Dropped
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

None.

1457 - GEDTI Port Enabled

This UIM indicates the GEDTI port is enabled on the IPSM card.

Example

```
   1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890
9671.1457    CARD 1112     INFO      GEDTI Port Enable
                 PORT = 5555
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

None.

1458 - GEDTI Port Disabled

This UIM indicates the GEDTI port is disabled on the IPSM card.

Example

```
   1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890
9642.1458    CARD 1112     INFO      GEDTI Port Disabled
                PORT = 5555
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

When the GEDTI port is enabled.

1459 - TCP Connection lost b/w IPSM and EEPC

This UIM indicates the TCP Connection between the IPSM card and network card has been lost.

Example

```
   1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890
0023.1459    CARD 1105     INFO      TCP Connection lost b/w IPSM and EEPC
                SESSION ID = 1
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

When the TCP Connection is re-established.

1460 - GWS Duplicate Stop Action Failed

This message indicates the gateway screening (**GWS**) Duplicate and Route stop action failed to duplicate an incoming MSU.

Example

```
5347.1460    CARD 1103     INFO      GWS Duplicate Stop Action Failed
                Report Date:13-10-10  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No further action is required.

1461 - Link status on card needs re-sync

This message indicates the Link status on the card needs to be re-synched and the system has initiated a re-synchronization.

Example

```
0020.1461    CARD 1106     INFO      Link status on card needs re-sync
                 Card=xxxx Port=xxx
                 Report Date:02-07-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

1462 - EE not Configured

This message indicates the EE capture does not start when the network card under capture is not configured as Eagle Eyes Proper.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
    0023.1462    CARD 1105     INFO      EE not Configured
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1463 - ENUM connection established

This message indicates the ENUM connection has come into IS-NR state.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
    xxxx.1463    CARD 1463     INFO    ENUM connection established
                 Connection Name : enum1101
                 Report Date: 06-05-14  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1464 - ENUM connection terminated

This message indicates the ENUM connection has gone down.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
    xxxx.1464    CARD 1464     INFO    ENUM connection terminated
                 Connection Name : enum1101
                 Report Date:06-05-14  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1466 - ENUM Dflt Prof & query type mismatch

The Default ENUM Profile response type and incoming query type do not match.

Example

```
12345678901234567890123456789012345678901234567890123456789012345678901234567890
    xxxx.1466    CARD 1466     INFO      ENUM Dflt Prof & query type mismatch
        Report Date: 06-05-14 Time:18:57:35
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1467 - ENUM msg decode failed

This message indicates an ENUM message validation has FAILED.

Example

```
12345678901234567890123456789012345678901234567890123456789012345678901234567890
    xxxx.1467    CARD 1467,B   INFO      ENUM  msg decode failed
                 Reason: Response Recieved
                 Header: QR(1)
                 Domain: ----
                 IP    : 10.248.13.3
                 QType : ----
                 Entity ID: ----
                 Report Date:06-05-14  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1468 - ENUM rcvd invalid msg

This message indicates the ENUM has received a query with unsupported field values.

Example

```
12345678901234567890123456789012345678901234567890123456789012345678901234567890
    xxxx.1468    CARD 1468,B   INFO      ENUM rcvd invalid msg
                 Reason: Invalid Domain
                 Header: QR(0)
                 Domain: e164.abcd
                 IP    : 10.248.13.3
                 QType : NAPTR(35)
                 Entity ID: ----
                 Report Date: 06-05-14 Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1469 - ENUM request rejected

This message indicates an ENUM request rejected is coming from invalid IP addresses.

Example

```
12345678901234567890123456789012345678901234567890123456789012345678901234567890
    xxxx.1469    CARD 1469,B   INFO      ENUM request rejected
```

```
                Reason: Unauthorized ENUM Client
                Header: ----
                Domain: ----
                IP    : 10.248.13.9
                QType : ----
                Entity ID: ----
                Report Date: 06-05-14 Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1471 - ENUM matching prof for qry not found

This message indicates the ENUM Profile Table is missing an entry of a matching ENUM query type.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
    xxxx.1471    CARD 1471,B   INFO      ENUM matching prof for qry not found
                 Reason: Queried Response type not found
                 Header: QR(0)
                 Domain: e164.arpa
                 IP    : 10.248.13.3
                 QType : NAPTR(35)
                 Entity ID: 123456
                 Report Date: 06-05-14 Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1472 - SCTP Buffer full timer expired, Restart

This message indicates the SCTP Buffer full timer has expired and requires a restart.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
    xxxx.1472    CARD 1104     INFO      SCTP Buffer full timer expired, Restart
                 Report Date: 06-05-14  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1473 - Unable to connect to socket

This message indicates the EAGLE is unable to connect to the EAGLE Application Processor. Verify the IP configuration for connectivity to the far end.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
    0002.1473    CARD 1113     INFO      Unable to connect to socket
                 Report Date:02-07-21  Time:16:20:19
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1475 - TOBR Multiple Comp: Translation found

This message indicates a translation has been found for more than one component even if its priority numbers are lower than the first component.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
    5902.1475    CARD 1101     INFO    TOBR Multiple Comp: Translation found
                 SIO=03   OPC=   6-006-1        DPC=   7-007-7
                 SCCP MSG TYPE=09
                 CDPA:  NI=0  RI=0  GTI=00  SSNI=0  PCI=1
                        PC=   3-132-5        SSN=---
                 CGPA:  NI=0  RI=1  GTI=00  SSNI=1  PCI=1
                        PC=   0-141-7        SSN=146
                 LSN=ls661  GTTSETIDX=2
                 Report Date:16-12-07  Time:11:20:32
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1476 - TCAPMulComp: Dup Opcode MSU discarded

This message indicates the duplicate in a TCAP Message with the same Opcode in more than one component has been discarded.

Example

```
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890
    5902.1476    CARD 1101     INFO    TCAPMulComp: Dup Opcode MSU discarded
                 SIO=03   OPC=   6-006-1        DPC=   7-007-7
                 SCCP MSG TYPE=09
                 CDPA:  NI=0  RI=0  GTI=00  SSNI=0  PCI=1
                        PC=   3-132-5        SSN=---
                 CGPA:  NI=0  RI=1  GTI=00  SSNI=1  PCI=1
                        PC=   0-141-7        SSN=146
                 LSN=ls661  GTTSETIDX=2
                 Report Date:16-12-07  Time:11:20:32
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action is necessary.

1491 - Terminal enabled

This message indicates that the specified telnet terminal has been successfully selected by a user via telnet.

Example

```
RLGHNCXA21W 00-04-18 18:59:30 EST EAGLE 31.3.0
0105.1491 SYSTEM INFO Terminal enabled.
TERMINAL 20
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1492 - Terminal failed

This message indicates that the specified telnet terminal has been disconnected.

Example

```
RLGHNCXA21W 00-04-18 18:59:30 EST EAGLE 31.3.0
0105.1492 SYSTEM INFO Terminal failed.
TERMINAL 20
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

1493 - SSH Host Keys Regenerated

This message indicates that the **OA**&M **IP** Security Enhancements feature has successfully generated new host pubic/private key pairs. This occurs during cold restarts of an **IPSM** card. During initialization, this **UIM** displays the new key.

Note:

This **UIM** indicates a new public/private key is in effect. The old key is now invalid. The new key must be installed on **SSH** clients (on the **FTRA**) before any connections are permitted.

Example

```
RLGHNCXA21W 03-08-18 18:59:30 EST EAGLE 30.2.0
0105.1493 SYSTEM INFO SSH Host Keys Regenerated
DSA Server Host Key FTRA-formatted Fingerprint=
xx xx xx xx xx xx xx xx xx xx xx xx xx xx xx xx
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

1. Record the **DSA** Server Host **KeyFTRA**-formatted fingerprint that is in the last line of the **UIM**.
2. Save the fingerprint.

   The fingerprint will be installed on the **FTRA** if the **FTP** Retrieve and Replace feature is used.

Note:

Refer to the *FTP-Based Table Retrieve Application (FTRA) User Guide* for the fingerprint installation procedure.

1494 - SSH Host Keys Loaded

This message indicates that the **OA**&M **IP** Security Enhancements feature has successfully preserved existing host pubic/private key pairs. This occurs during reloads, init-card, and alw-card operations. During initialization, this **UIM** shows the state of the existing host key.

Example

```
RLGHNCXA21W 03-08-18 18:59:30 EST EAGLE 30.2.0
0105.1494 SYSTEM INFO SSH Host Keys Loaded
DSA Server Host Key FTRA-formatted Fingerprint=
xx xx xx xx xx xx xx xx xx xx xx xx xx xx xx xx
```

Alarm Level: No alarm condition. The message is informational only.

Recovery

No action necessary.

A

UAM Balancing Matrix

The tables in this appendix are in alphabetical order and list Critical, Major, Minor, and Normal alarms that appear for device conditions, and indicate the clearing alarm that appears when each condition is resolved in the system. (Some device conditions are categorized as Normal, and have an associated clearing alarm when the device changes to another Normal condition.)

> **Note:** A generic clearing alarm, UAM 0500 "Alarm for this entitiy is being cleared," addresses scenarios where an alarm used to silently remove an active alarm did not make sense for the condition that was being cleared. This UAM is a generic alarm clearing output that applies to all setting alarms (Critical, Major, and Minor).

AIQ System Alarms

Table A-1 shows the AIQ System alarms and the clearing alarm that appears when each condition is resolved.

Table A-1 AIQ System Alarms

Critical		Normal	
UAM	Text	**UAM**	Text
0592	**AIQ** Subsystem is not available	0595	**AIQ** Subsystem is available
		0594	**AIQ** Subsystem normal, card(s) abnormal
0593	**AIQ** Subsystem is disabled	0596	**AIQ** Subsystem is removed
		0594	**AIQ** Subsystem normal, card(s) abnormal
Minor		Normal	
0594	**AIQ** Subsystem normal, card(s) abnormal	0595	**AIQ** Subsystem is available
		0596	**AIQ** Subsystem is removed

ATINP System Alarms

Table A-2 shows the critical and minor ATINP System alarms and the clearing alarm that appears when each condition is resolved.

Table A-2 ATINP System Alarms

Critical		Normal	
UAM	Text	**UAM**	Text
0565	ATINPQ Subsystem is not available	0568	ATINPQ Subsystem is available
		0569	ATINPQ Subsystem is removed
0566	ATINPQ Subsystem is disabled	0568	ATINPQ Subsystem is available
		0569	ATINPQ Subsystem is removed
Major		Normal	
0429	ATINPQ Subsystem degraded, card(s) abnormal	0568	ATINPQ Subsystem is available
		0569	ATINPQ Subsystem is removed
Minor		Normal	
0567	ATINPQ Subsystem normal,card(s) abnormal	0568	ATINPQ Subsystem is available
		0569	ATINPQ Subsystem is removed

Card Alarms

Table A-3 shows the critical, major, and minor card alarms and the clearing alarm that appears when each condition is resolved.

Table A-3 Card Alarms

Critical		Normal	
UAM	Text	**UAM**	Text
0077	**Card** temperature is critical lvl:T2	0079	**Card** temperature again at nominal levels
0092	**MDAL** not responding	0093	**MDAL** alarm cleared
0127	ENUM card capacity exceeded	0126	ENUM Threshold Condition cleared
0442	**RTDB** database capacity is 95% full	0447	**RTDB** database capacity alarm cleared
Major		Normal	
UAM	Text	**UAM**	Text
0001	**Card** has reset	0014	**Card** is present
		0096	**Card** has been reloaded
0008	Active **MASP** has become isolated	0009	**MASP** became active

Table A-3 (Cont.) Card Alarms

		0010	**MASP** became standby
0012	Invalid HW for Integrated Measurements	0519	Measurements subsystem available
0013	**Card** is isolated from the system	0014	**Card** is present
		0096	**Card** has been reloaded
0031	**HIPR2** detected a major Congested Second	0032	HIPR2 Congestion cleared
0053	Standby **TDM** failure	0054	Standby **TDM** failure cleared
0078	**Card** temperature exceeds nominal lvl:**T1**	0079	**Card** temperature again at nominal levels
0088	Clocks A and B **TSCs** are out of sync	0089	Clocks A and B **TSCs** are resynchronized
0125	ENUM Threshold -Level 2 exceeded	0126	ENUM Threshold Condition cleared
0132	Loading failed: table not found	0096	**Card** has been reloaded
0133	Loading failed: data read error		
0134	Loading failed: bad checksum returned		
0135	Loading failed: **GPL** load timeout		
0136	Loading failed: data load timeout		
0137	Loading failed: invalid **GPL**		
0138	Loading failed: **GPL** format error		
0139	Loading failed: disk read prep error		
0140	Loading failed: disk read response error		
0141	Loading failed: disk read failed		
0300	**TVG** Grant Failure	0301	**TVG** Grant Recovery
0306	**SNM** Overload Onset	0307	**SNM** Overload Abated
0043	Incorrect feature configuration	0423	**Card** reload attempted
0047	Card type not valid for application		
0099	Incompatible **HW** for provisioned slot		

Table A-3 (Cont.) Card Alarms

0276	Insufficient **HW** for **IP7** provisioning		
0297	Incorrect port configuration		
0422	Insufficient extended memory		
0441	Incorrect **MDB – CPU**		
0446	**RTDB** database capacity is 80% full	0447	**RTDB** database capacity alarm cleared
0449	**RTDB** resynchronization in progress	0445	RTDB database has been corrected
		0500	Alarm for this entitiy is being cleared
0443	RTDB database is corrupted	0445	RTDB database has been corrected
0451	RTDB reload is required		
0514	Standby MASP is inhibited	0515	Standby MASP is allowed
0901	**CardDB** load timeout, check **GLS** card	0902	**CardDB** is stable
0903	**IPLink** A is down	0904	**IPLink** A is up
0905	**IPLink** B is down	0906	**IPLink** B is up
0908	**HW** cannot support purchased **TPS** rate	0907	**HW** limiting **TPS** rate alarm cleared
0051	**TSC** Sync is in simplex mode	0052	**TSC** sync feature is available
0466	**STC** Network Unavailable	0467	**STC** Network Available
0088	Clocks A and B **TSCs** are out of sync	0089	Clocks A and B **TSCs** are resynchronized
0390	Illegal Address Error	0388	Illegal Address Error Cleared
0391	**Card** not responding Error	0389	**Card** responding normally
0573	BERT Test Failed	0574	BERT Test Passed
0575	Card type not HIPR2	0500	Alarm for this entity is being cleared
0548	GTT HexTree DB corrupted. TPS derated	0550	GTT HexTree DB alarm cleared
0549	GTT HexTree DB incoherent. TPS derated		
Minor		Normal	

Table A-3 (Cont.) Card Alarms

UAM	Text	UAM	Text
0022	Clock B for card failed, Clock A normal	0025	Clock B for card normal
0023	Clocks A and B for card failed	0026	Clocks A and B for card normal
0030	HIPR2 detected a minor Congested Second	0032	HIPR2 Congestion cleared
0034	**Card** database is inconsistent	0033	**Card** database has been corrected
0035	**Card** database is corrupted		
0037	**Card** backup database is inconsistent	0036	**Card** backup database has been corrected
0038	**Card** backup database is corrupted		
0044	Real time clock battery low	0045	Real time clock battery restored
0055	Persistent device state tbl corrupt	0057	Persistent device state tbl corrected
0056	Persistent device state tbl diff ver		
0102	Motherboard **BIP** invalid	0103	Motherboard **BIP** valid
0124	ENUM Threshold -Level1 exceeded	0126	ENUM Threshold Condition cleared
0145	**HS** Clock A for card failed, B normal	0148	High Speed Clock A for card normal
0146	**HS** Clock B for card failed, A normal	0149	High Speed Clock B for card normal
0147	High Speed Clocks A and B for card failed	0159	High Speed Clocks A and B for card normal
0298	**Card** not using config. **SCTP** csum method	0299	Config. **SCTP** csum method alarm cleared
0304	**REPT-NMTSK-DSCD**: **SNM** Discard Onset	0305	**RECVY-NMTSK-DSCD**: **SNM** Discard Abated
0444	**RTDB** database is inconsistent	0445	**RTDB** database has been corrected
0448	**RTDB** database incoherent		
0466	**STC** Network Unavailable	0467	**STC** Network Available
0480	Timestamp Invalid	0481	Timestamp Valid
0498	Sanity monitoring is disabled	0499	Sanity monitoring is enabled
		0130	**Card** successfully loaded with data
		0400	**Alarm** cleared by deleting card

Table A-3 (Cont.) Card Alarms

		0294	**REPT-ALMINH**: alarm output **PERM** inhibit
		0295	**REPT-ALMINH**: alarm output enabled
		0296	**REPT-ALMINH**: alarm output **TEMP** inhibit
0570	Incompatible flash image for sys rel	0423	Card reload attempted
0579	FC Network Unavailable	0580	FC Network Available
0581	Loss of heartbeat	0582	Heartbeat Available
0590	Fast Copy Application De-activated	0591	Fast Copy Application Activated

CDT (Customer Defined Trouble) Alarms

Table A-4 shows the critical, major, minor, and normal card alarms and the clearing alarm that appears when each condition is resolved.

Table A-4 CDT (Customer Defined Trouble) Alarms

Critical		Normal	
UAM	Text	**UAM**	Text
0058	Critical customer trouble detected	0062	Customer trouble cleared
Major		Normal	
0059	Major customer trouble detected	0062	Customer trouble cleared
Minor		Normal	
0060	Minor customer trouble detected	0062	Customer trouble cleared
Normal		Normal	
0061	Customer trouble detected	0062	Customer trouble cleared

Clock (Holdover Clock) Alarms

Table A-5 shows the critical, major, and minor Holdover Clock alarms and the clearing alarm that appears when each condition is resolved.

Table A-5 Clock (Holdover) Alarms

Critical	Normal

Table A-5 (Cont.) Clock (Holdover) Alarms

UAM	Text	UAM	Text
0063	Critical holdover clock trbl detected	0066	Holdover clock trouble cleared
Major		Normal	
0064	Major holdover clock trouble detected	0066	Holdover clock trouble cleared
Minor		Normal	
UAM	Text	**UAM**	Text
0065	Minor holdover clock trouble detected	0066	Holdover clock trouble cleared

Clock System Alarms

Table A-6 shows the critical, major, and minor clock alarms and the clearing alarm that appears when each condition is resolved.

Table A-6 Clock System Alarms

Critical		Normal	
UAM	Text	**UAM**	Text
0128	All clocks have failed	0113	Clock alarm(s) cleared
Major		Normal	
UAM	Text	**UAM**	Text
0162	1116-P, 1116-S clocks failed	0113	Clock alarms cleared
0164	1114-S, 1116-S clocks failed		
0166	1114-S, 1116-P, 1116-S clocks failed		
0169	1114-P, 1116-P clocks failed		
0170	1114-P, 1116-P, 1116-S clocks failed		
0171	1114-P, 1114-S clocks failed		
0172	1114-P, 1114-S, 1116-S clocks failed		
0173	1114-P, 1114-S, 1116-P clocks failed		
Minor		Normal	

Table A-6 (Cont.) Clock System Alarms

UAM	Text	UAM	Text
0160	1116-S clock failed	0113	Clock alarms cleared
0161	1116-P clock failed		
0163	1114-S clock failed		
0165	1114-S, 1116-P clocks failed		
0167	1114-P clock failed		
0168	1114-P, 1116-S clocks failed		

DCM Alarms

Table A-7 shows the major **DCM** alarm and the clearing alarm that appears when the condition is resolved.

Table A-7 DCM Alarms

Major		Normal	
UAM	Text	**UAM**	Text
0084	**IP** Connection Unavailable	0085	**IP** Connection Available

DLK Alarms

Table A-8 shows the major and minor **DLK** alarm and the clearing alarm that appears when the condition is resolved.

Table A-8 DLK Alarms

Major		Normal	
UAM	Text	**UAM**	Text
0537	Ethernet error threshold exceeded	0538	Ethernet error threshold cleared
0539	Ethernet Interface Down	0540	Ethernet Interface Up
0588	FC Port De-activated	0589	FC Port Activated
Minor		Normal	
UAM	Text	**UAM**	Text
0155	**STPLAN** connection unavailable	0156	**STPLAN** connection available

Table A-8 (Cont.) DLK Alarms

0536	IP Connection Excess Retranmists	0084	IP Connection Available
		0085	IP Connection Available

DPC Alarms

Table A-9 shows the critical, minor, and normal **DPC** alarms and the clearing alarm that appears when each condition is resolved.

Table A-9 DPC Alarms

Critical		Other **Alarm** Conditions Which Clear Given **Alarm**		Normal	
UAM	Text	**UAM**	Text	**UAM**	Text
0313	**DPC** is prohibited	0312	**DPC** is restricted	0311	**DPC** is allowed
		0319	**REPT-MTPLP-DET**: Circ rte det(cong)	0402	**Alarm** cleared by deleting route
		0334	**DPC** subsystem is Abnormal		
Minor		Other **Alarm** Conditions Which Clear Given **Alarm**		Normal	
UAM	Text	**UAM**	Text	**UAM**	Text
0312	**DPC** is restricted	0313	**DPC** is prohibited	0311	**DPC** is allowed
		0319	**REPT-MTPLP-DET**: Circ rte det(cong)	0402	**Alarm** cleared by deleting route
		0334	**DPC** subsystem is Abnormal		
Normal		Other **Alarm** Conditions Which Clear Given **Alarm**		Normal	
0315	**Route** is restricted	0316	**Route** is prohibited	0314	**Route** is allowed
		0319	**REPT-MTPLP-DET**: Circ rte det(cong)	0402	**Alarm** cleared by deleting route
0316	**Route** is prohibited	0315	**Route** is restricted	0314	**Route** is allowed
		0319	**REPT-MTPLP-DET**: Circ rte det(cong)	0402	**Alarm** cleared by deleting route

DPC System Alarms

Table A-10 shows the critical and normal **DPC** System alarms and the clearing alarm that appears when each condition is resolved.

Table A-10 DPC System Alarms

Critical		Other **Alarm** Conditions Which Clear Given **Alarm**		Normal	
UAM	Text	**UAM**	Text	**UAM**	Text
0325	**DPC** subsystem is blocked	0312	**DPC** is restricted	0324	**DPC** subsystem is allowed
		0319	**REPT-MTPLP-DET**: Circ rte det(cong)	0327	**DPC** subsystem has been deleted
		0326	**DPC** subsystem is prohibited	0333	**DPC** subsystem is Normal
		0332	**DPC** subsystem is prohibited and blocked		
		0334	**DPC** subsystem is Abnormal		
0326	**DPC** subsystem is prohibited	0312	**DPC** is restricted	0324	**DPC** subsystem is allowed
		0319	**REPT-MTPLP-DET**: Circ rte det(cong)	0327	**DPC** subsystem has been deleted
		0325	**DPC** subsystem is blocked	0333	**DPC** subsystem is Normal
		0332	**DPC** subsystem is prohibited and blocked		
		0334	**DPC** subsystem is Abnormal		
0332	**DPC** subsystem is prohibited and blocked	0312	**DPC** is restricted	0324	**DPC** subsystem is allowed
		0319	**REPT-MTPLP-DET**: Circ rte det(cong)	0327	**DPC** subsystem has been deleted
		0325	**DPC** subsystem is blocked	0333	**DPC** subsystem is Normal
		0326	**DPC** subsystem is prohibited		

Table A-10 (Cont.) DPC System Alarms

		0334	**DPC** subsystem is Abnormal		
0334	**DPC** subsystem is Abnormal	0319	**REPT-MTPLP-DET**: Circ rte det(cong)	0324	**DPC** subsystem is allowed
				0327	**DPC** subsystem has been deleted
				0333	**DPC** subsystem is Normal
0319	**REPT-MTPLP-DET**: Circ rte det(cong)			0340	**RCVRY-MTPLP-RST**: Circ rte status cleared
0320	**REPT-MTPLP-SUST**: Sustained circ rt (cong)			0340	**RCVRY-MTPLP-RST**: Circ rte status cleared
				0337	**DPC-SS**[1] status changed

1 When **DPC** subsystem transitions between prohibited and block to either blocked or prohibited only, this **UAM** is raised.

DSM Alarms

Table A-11 shows the major **DSM** alarm and the clearing alarm that appears when the condition is resolved.

Table A-11 DSM Alarms

Major		Normal	
UAM	Text	**UAM**	Text
0084	**IP** Connection Unavailable	0085	**IP** Connection Available

E1 Port Alarms

Table A-12 shows the major **E1** alarms and the clearing alarm that appears when each condition is resolved.

Table A-12 E1 Port Alarms

Major		Normal	
UAM	Text	**UAM**	Text

Table A-12 (Cont.) E1 Port Alarms

0381	**REPT**-E1F:**FAC-E1LOS** failure	0386	**RCVRY**-E1F:**FAC-E1** available
0382	**REPT**-E1F:**FAC-E1LOF** failure		
0383	**REPT**-E1F:**FAC-E1AIS** detected		
0384	**REPT**-E1F:**FAC-E1** Far End failure		
0385	**REPT**-E1F:**FAC-E1** 10E-3 **BER** failed		
0387	**REPT**-E1F:**FAC-E1** unavailable		

EIR Alarms

Table A-13 shows the critical and minor **EIR** alarms and the clearing alarm that appears when each condition is resolved.

Table A-13 EIR Alarms

Critical		Normal	
UAM	Text	**UAM**	Text
0455	**EIR** System is not available	0458	**EIR** Subsystem is available
		0459	**EIR** Subsystem is removed
0456	**EIR** Subsystem is disabled	0458	**EIR** Subsystem is available
		0459	**EIR** Subsystem is removed
Major		Normal	
0460	EIR Subsystem degraded, card(s) abnormal	0458	**EIR** Subsystem is available
		0459	**EIR** Subsystem is removed
Minor		Normal	
0457	**EIR** Subsystem normal,card(s) abnormal	0458	**EIR** Subsystem is available
		0459	**EIR** Subsystem is removed

ENET System Alarms

Table A-14 shows the ENET System alarms and the clearing alarm that appears when each condition is resolved.

Table A-14 ENET System Alarms

Major	Normal

Table A-14 (Cont.) ENET System Alarms

UAM	Text	UAM	Text
0537	Ethernet error threshold exceeded	0538	Ethernet error threshold cleared
0539	Ethernet Interface Down	0540	Ethernet Interface Up
Minor		Normal	
0536	IP Connection Excess Retranmists	0085	IP Connection Available

ENUM System Alarms

Table A-15 shows the ENUM System alarms and the clearing alarm that appears when each condition is resolved.

Table A-15 ENUM System Alarms

Critical		Normal	
UAM	Text	**UAM**	Text
0120	ENUM SYSTEM is not available	0121	ENUM SYSTEM is available
		0123	ENUM SYSTEM is removed
Major		Normal	
0122	ENUM SYSTEM normal, card(s) abnormal	0121	ENUM SYSTEM is available
		0123	ENUM SYSTEM is removed

EROUTE Alarms

Table A-16 shows the critical, major, and minor **EROUTE** alarms and the clearing alarm that appears when each condition is resolved.

Table A-16 EROUTE Alarms

Critical		Normal	
UAM	Text	**UAM**	Text
0468	All **STC** Networks Unavailable	0470	**EROUTE** is Removed
0469	All **STC** Cards Unavailable	0471	**EROUTE** System is Available
Major		Normal	
0473	**EROUTE** System Capacity Exceeded	0470	**EROUTE** is Removed

Table A-16 (Cont.) EROUTE Alarms

0482	**Card**(s) have been denied **EROUTE** service	0471	**EROUTE** System is Available
Minor		Normal	
0472	**EROUTE** System Threshold Exceeded	0470	**EROUTE** is Removed
		0471	**EROUTE** System is Available
0474	**EROUTE** capacity normal, card(s) abnormal	0470	**EROUTE** is Removed
		0471	**EROUTE** System is Available
0475	**NTP** Time Unavailable	0476	**NTP** Time Available

Ethernet Error Threshold Alarms

Table A-17 shows the major ethernet error threshold alarms and the clearing alarm that appears when each condition is resolved.

Table A-17 Ethernet Error Threshold Alarms

Major		Normal	
0537	Ethernet error threshold exceeded	538	Ethernet error threshold cleared
0539	Ethernet Interface Down	0540	Ethernet Interface Up

Fast Copy System Alarms

Table A-18 shows the major and minor Fast Copy System alarms and the clearing alarm that appears when the condition is resolved.

Table A-18 Fast Copy System Alarms

Major		Normal	
UAM	Text	**UAM**	Text
0576	All FC Network Unavailable	0577	All FC cards removed
		0578	FC System is Available
Minor		Normal	
597	FC System is Deactivated	0578	FC System is Available

Frame Alarms

Table A-19 shows the major Frame alarms and the clearing alarms that appear when the condition is resolved.

Table A-19 Frame Alarms

Critical		Normal	
UAM	Text	**UAM**	Text
0520	Frame power usage reached **LVL3**	0523	Frame power usage normal
Major		Normal	
UAM	Text	**UAM**	Text
0521	Frame power usage reached **LVL2**	0523	Frame power usage normal
Minor		Normal	
UAM	Text	**UAM**	Text
0522	Frame power usage reached **LVL1**	0523	Frame power usage normal

Fuse Alarms

Table A-20 shows the major fuse alarm and the clearing alarm that appears when the condition is resolved.

Table A-20 Fuse Alarms

Major		Normal	
UAM	Text	**UAM**	Text
0082	**Alarm** in fuse panel	0083	Fuse panel alarm has cleared

GLS Alarms

Table A-21 shows the critical and major **GLS** alarms and the clearing alarm that appears when each condition is resolved.

Table A-21 GLS Alarms

Critical		Normal	
UAM	Text	**UAM**	Text
0292	**GLS** is not available	0290	**GLS** is available
		0293	**GLS** have been removed from the system

Table A-21 (Cont.) GLS Alarms

Major		Normal	
0291	**GLS** is at minimum service limit	0290	**GLS** is available
		0293	**GLS** have been removed from the system
0450	Invalid HW for Integrated GLS	0290	**GLS** is available

GPL Alarms

Table A-22 shows the minor **GPL** alarms and the clearing alarm that appears when each condition is resolved.

Table A-22 GPL Alarms

Critical		Normal	
UAM	Text	**UAM**	Text
0002	**Card** is not running approved **GPL**	0003	**Alarm** cleared for **GPL**
0004	**Card** is running non-activated **GPL**	0005	**Alarm** cleared running non-activated **GPL**
0040	**GPL** is corrupted	0039	**GPL** has been corrected

Group Broadcast Alarms

shows the critical and minor Group Broadcast alarms and the clearing alarm that appears when each condition is resolved.

Table A-23 Group Broadcast Alarms

Critical		Normal	
0015	Group Broadcast Registration Failed	0017	Group Broadcast Registration Succeeded
Minor		Normal	
0016	Single IMT Bus GB Registration	0017	Group Broadcast Registration Succeeded

GTT Alarms

Table A-24 shows the major **GTT** alarm and the clearing alarm that appears when the condition is resolved.

Table A-24 GTT System Alarms

Critical		Normal	
UAM	Text	**UAM**	Text
0630	Throttle Threshold - exceeded	0631	Throttle Threshold - cleared

HS Clock System Alarms

Table A-25 shows the critical, major, and minor **HS** Clock System alarms and the clearing alarm that appears when each condition is resolved.

Table A-25 HS Clock System Alarms

Critical		Normal	
UAM	Text	**UAM**	Text
0197	All high speed clocks have failed	0198	High Speed clock alarm(s) cleared
Major		Normal	
UAM	Text	**UAM**	Text
0185	1116-**PHS**, 1116-**SHS** clocks failed	0198	High Speed clock alarm(s) cleared
0187	1114-**SHS**, 1116-**SHS** clocks failed		
0189	1114-**SHS**, 1116-**PHS**,1116-**SHS** clks failed		
0192	1114-**PHS**, 1116-**PHS** clocks failed		
0193	1114-**PHS**, 1116-**PHS**,1116-**SHS** clks failed		
0194	1114-**PHS**, 1114-**SHS** clocks failed		
0195	1114-**PHS**, 1114-**SHS**, 1116-**SHS** clks failed		
0196	1114-**PHS**, 1114-**SHS**, 1116-**PHS** clks failed		
403	1114 **E1**/**T1** clock requires **TDM-GTI**	409	Clock configuration corrected
404	1116 **E1**/**T1** clock requires **TDM-GTI**		
405	1114, 116 **E1**/**T1** clock requires **TDM-GTI**		
406	1114 Clock selection mismatch		

Table A-25 (Cont.) HS Clock System Alarms

407	1116 Clock selection mismatch		
408	1114, 1116 Clock selection mismatch		
Minor		Normal	
UAM	Text	**UAM**	Text
0183	1116-**SHS** clock failed	0198	High speed clock alarm(s) cleared
0184	1116-**PHS** clock failed		
0186	1114-**SHS** clock failed		
0188	1114-**SHS**, 1116-**PHS** clocks failed		
0190	1114-**PHS** clock failed		
0191	1114-**PHS**, 1116-**SHS** clocks failed		

IMT Bus Alarms

Table A-26 shows the major, minor, and normal **IMT Bus** alarms and the clearing alarm that appears when each condition is resolved.

Table A-26 IMT Bus Alarms

Major		Normal	
UAM	Text	**UAM**	Text
0108	Major **IMT** failure detected	0106	**IMT** bus alarm cleared
Minor		Normal	
0107	Minor **IMT** failure detected	0106	**IMT** bus alarm cleared
Normal		Normal	
0098	**IMT** inhibited	0097	**IMT** allowed

IMT System Alarms

Table A-27 shows the critical, major, and minor **IMT** System alarms and the clearing alarm that appears when each condition is resolved.

Table A-27 IMT System Alarms

Critical	Normal

Table A-27 (Cont.) IMT System Alarms

UAM	Text	UAM	Text
0112	Major failures detected on both **IMTs**	0109	All **IMT** system level alarms cleared
Major		Normal	
0028	IMT Bus util rate exceeds major thresh	0029	IMT Bus utilization threshold cleared
0111	Failure on both **IMT** A and **IMT** B	0109	All **IMT** system level alarms cleared
0563	IMT Bit rate mismatch detected	0564	IMT Bit rate mismatch cleared
Minor		Normal	
0027	IMT Bus util rate exceeds minor thresh	0029	IMT Bus utilization threshold cleared
0110	Failure detected on one **IMT** bus	0109	All **IMT** system level alarms cleared

INP System Alarms

Table A-28 shows the critical and minor **NP** System alarms and the clearing alarm that appears when each condition is resolved.

Table A-28 INP System Alarms

Critical		Normal	
UAM	Text	**UAM**	Text
0395	INP Subsystem is not available	0394	INP Subsystem is available
0396	INP Subsystem is disabled	0397	INP Subsystem is removed
Major		Normal	
0428	INP Subsystem degraded, card(s) abnormal	0394	INP Subsystem is available
Minor		Normal	
0398	INP Subsystem normal, card(s) abnormal	0394	INP Subsystem is available
		0397	INP Subsystem is removed

IP7CONN Alarms

Table A-29 shows the major and minor **IP** Connection alarms and the clearing alarm that appears when each condition is resolved.

Table A-29 IP Connection Alarms

Major		Normal	
UAM	Text	**UAM**	Text
0084	**IP** Connection Unavailable	0085	**IP** Connection Available
		0087	**IP** Connection manually removed
Minor		Normal	
0086	**IP** Connection Congested	0085	**IP** Connection Available
		0087	**IP** Connection manually removed
0535	**IP** Connection **Restricted**	0085	**IP** Connection Available
0536	**IP** Connection **Excess Retransmits**	0085	**IP** Connection Available

IP7 Alarms

Table A-30 shows the major and minor **IP** Connection alarms and the clearing alarm that appears when each condition is resolved.

Table A-30 IP Connection Alarms

Major		Normal	
UAM	Text	**UAM**	Text
0277	**AS** Unavailable	0278	**AS** Available
Minor		Normal	
0279	**AS Restricted**	0280	**AS** Unrestricted

Linkset Alarms

Table A-31 shows the Linkset alarm and the clearing alarms that appears when the condition is resolved.

Table A-31 Linkset Alarms

Major		Normal	
UAM	Text	**UAM**	Text
0115	Linkset **IP TPS** threshold exceeded	0118	Linkset **IP TPS** threshold normal
0318	**REPT-LKSTO**: link set prohibited	0317	**RCVRY-LKSTO**: link set allowed

Table A-31 (Cont.) Linkset Alarms

		0399	**RRCVRY-LKSTO**:**Alarm** clr'd by deleting **SLK**
0560	REPT-LKSTO: link set restricted	0317	REPT-LKSTO: link set restricted

LNP System Alarms

Table A-32 shows the critical and major LNP System alarms and the clearing alarm that appears when each condition is resolved.

Table A-32 LNP System Alarms

Critical		Normal	
UAM	Text	**UAM**	Text
0424	**LNP** Subsystem is not available	0426	**LNP** Subsystem is available
0435	**LNP** Subsystem is disabled	0434	**LNP** Subsystem is removed
0287	**RTDB** Table Level 2 **FAK** Cap exceeded	0289	**RTDB** Table **FAK** Capacity Normal
Major		Normal	
0283	**LNP** Ported **NPAs** approaching Feat. Capacity	0284	**LNP** Ported **NPAs** Capacity Normal
0285	**LNP** Ported **LRNs** approaching Feat. Capacity	0286	**LNP** Ported **LRNs** Capacity Normal
0288	**RTDB** Table Level 1 **FAK** Cap exceeded	0289	**RTDB** Table **FAK** Capacity Normal
0427	LNP Subsystem degraded, card(s) abnormal	0426	**LNP** Subsystem is available
0436	**LNPACG** node overload	0426	**LNP** Subsystem is available
Minor		Normal	
0425	LNP Subsystem normal, card(s) abnormal	0426	**LNP** Subsystem is available

LSMS Connection Alarms

Table A-33 shows the critical and major **LSMS** Connection alarms and the clearing alarm that appears when each condition is resolved.

Table A-33 LSMS Connection Alarms

Critical		Normal	
UAM	Text	**UAM**	Text
0041	**LNPDB** Maintenance required.	0042	**LSMS** bulk load complete.
Major		Normal	
0358	**LSMS** connection unavailable	0359	**LSMS** connection available

LSMS System Alarms

Table A-34 shows the critical and major **LSMS** System alarms and the clearing alarm that appears when each condition is resolved.

Table A-34 LSMS System Alarms

Critical		Normal	
UAM	Text	**UAM**	Text
0356	**LSMS** unavailable	0355	**LSMS** is available
		0357	All **OAP** terminals are removed
0350	**OAP** terminals inhibited	0355	**LSMS** is available
		0357	All **OAP** terminals are removed
Major		Normal	
0341	**OAP** unavailable	0353	**OAP** is available
0354	One **OAP** terminal unavailable	0357	All **OAP** terminals are removed
0362	**LSMS** is at min service limit	0355	**LSMS** is available
		0357	All **OAP** terminals are removed

MCPM Alarms

Table A-35 shows the major **MCPM** alarm and the clearing alarm that appears when the condition is resolved.

Table A-35 MCPM Alarms

Major		Normal	
UAM	Text	**UAM**	Text

Table A-35 (Cont.) MCPM Alarms

0084	**IP** Connection Unavailable	0085	**IP** Connection Available

MEAS System Alarms

Table A-36 shows the critical, major, and minor **MEAS** System alarms and the clearing alarm that appears when each condition is resolved.

Table A-36 MEAS System Alarms

Critical		Normal	
UAM	Text	**UAM**	Text
0518	Measurements subsystem unavailable	0519	Measurements subsystem available
Major		Normal	
0517	Degraded Mode - multiple cards failed	0519	Measurements subsystem available
Minor		Normal	
0516	Degraded Mode - 1 card failed	0519	Measurements subsystem available

MPS (ELAP/EPAP) Alarms

Table A-37 shows the critical, major, and minor **MPS** (**ELAP**/**EPAP**) alarms and the clearing alarm that appears when each condition is resolved.

Table A-37 MPS (ELAP/EPAP) Alarms

Critical		Normal	
UAM	Text	**UAM**	Text
0370	Critical Platform Failure(s)	0250	**MPS** available
0371	Critical Application Failure(s)		
0261	**MPS** unavailable		
Major		Normal	
0372	Major Platform Failure(s)	0250	**MPS** available
0373	Major Application Failure(s)		
Minor		Normal	
0374	Minor Platform Failure(s)	0250	**MPS** available

Table A-37 (Cont.) MPS (ELAP/EPAP) Alarms

0375	Minor Application Failure(s)

Note:

Critical Platform/Application alarms cause the **MPS** to go **OOS-MT** and Major/Minor Platform/Applications alarms cause the **MPS** to go **IS-ANR**.

MPS Alarm Support

The **MPS** running software Release 2.0 (**ELAP**) or higher, Release 27.0 will support **MPS** alarms (370-375), as well as **UAMs** 442-451 against a card.

Table A-38 MPS Alarm Support

	Release 27.0 and higher
UAM #	Format
0442 0446 0447	**CARD**
0443-0445 0448-0451	**CARD**
0370-0375	**MPS1**
0250	**MPS2**

RTX System Alarms

Table A-39 shows the major **RTX** system alarms and the clearing alarm that appears when the condition is resolved.

Table A-39 RTX System Alarms

Critical		Other alarm conditions which clear given alarm		Normal	
UAM	Text			**UAM**	Text
0534	**RTX** is prohibited	0533	**RTX** is restricted	0532	**RTX** is allowed
		0319	**REPT-MTPLP-DET**: Circ rte det(cong)	0402	**Alarm** cleared by deleting route

Table A-39 (Cont.) RTX System Alarms

Minor			Other alarm conditions which clear given alarm	Normal	
UAM	Text			**UAM**	Text
0533	**RTX** is restricted	0534	**RTX** is prohibited	0532	**RTX** is allowed
		0319	**REPT-MTPLP-DET**: Circ rte det(cong)	0402	**Alarm** cleared by deleting route

SCCP Service Alarms

Table A-40 shows the critical, major, and minor **SCCP** service alarms and the clearing alarm that appears when each condition is resolved.

Table A-40 SCCP Service Alarms

Critical		Normal	
UAM	Text	**UAM**	Text
0528	Service is not available	0526	Service is available
		0530	Service is removed
0529	Service is disabled	0526	Service is available
		0530	Service is removed
Major		Normal	
0547	Service degraded	0526	Service is available
		0530	Service is removed
Minor		Normal	
0527	Service abnormal	0526	Service is available
		0530	Service is removed

SCCP System Alarms

Table A-41 shows the critical, major, and minor **SCCP** system alarms and the clearing alarm that appears when each condition is resolved.

Table A-41 SCCP System Alarms

Critical	Normal

Table A-41 (Cont.) SCCP System Alarms

UAM	Text	UAM	Text
0331	**SCCP** is not available	0328	**SCCP** is available
		0335	**SCCP** is removed
0437	System **SCCP TPS** Capacity Exceeded	0329	System SCCP TPS normal
0453	Exceeded Service Error Threshold Lvl 2	0454	Service Error Threshold **Alarm** Cleared
Major		Normal	
0262	GTT Duplicate Actn processing stopped	0263	GTT Duplicate Actn processing resumed
0336	**LIM**(s) have been denied **SCCP** service	0328	**SCCP** is available
		0335	**SCCP** is removed
0452	Exceeded Service Error Threshold Lvl 1	0454	Service Error Threshold **Alarm** Cleared
Minor		Normal	
0330	System SCCP TPS Threshold exceeded	0329	System SCCP TPS normal
		0335	**SCCP** is removed
0632	Alarm Threshold - exceeded	0631	Throttle Threshold - cleared
		0633	Alarm Threshold - cleared

SCTP Retransmit Alarms

Table A-42 shows the critical, major, and minor SCTP retransmit alarms and the clearing alarm that appears when each condition is resolved.

Table A-42 SCTP Retransmit Alarms

Minorl		Normal	
UAM	Text	**UAM**	Text
0536	IP Connection Excess Retransmits	0085	IP Connection Available

SEAS OAP Alarms

Table A-43 shows the major and minor **SEAS OAP** alarms and the clearing alarm that appears when each condition is resolved.

Table A-43 SEAS Major OAP Alarms

Major		Normal	
UAM	Text	**UAM**	Text
0341	**OAP** unavailable	0353	**OAP** is available
0342	**SEASUAL** unavailable		
0354	One **OAP** terminal unavailable		
0360	**EMS** Agent unavailable	0361	**EMS** Agent available

Table A-44 SEAS Minor OAP Alarms

Minor		Normal	
UAM	Text	**UAM**	Text
0364	Configuration data checksum mismatch	0365	Configuration data checksum alarm cleared
0363	**OAP** filesystem full	0361	**EMS** Agent available

SEAS System Alarms

Table A-45 shows the critical and major **SEAS** System alarms and the clearing alarm that appears when each condition is resolved.

Table A-45 SEAS System Alarms

Critical		Normal	
UAM	Text	**UAM**	Text
0349	**SEAS** unavailable	0351	**SEAS** is available
0350	**OAP** terminals inhibited	0352	**SEAS** is removed
Major		Normal	
0348	**SEAS** is at min service limit	0351	**SEAS** is available
		0352	**SEAS** is removed

SEAS X25 Alarms

Table A-46 shows the major and minor **SEAS** X25 alarms and the clearing alarm that appears when each condition is resolved.

Table A-46 SEAS X25 Alarms

Major		Normal	
UAM	Text	**UAM**	Text
0343	**SEAS** X.25 **Link** unavailable	0347	**SEAS** X.25 **Link** is available
0345	All **SEAS UAL** sessions unavailable		
Minor		Normal	
0344	**SEASPVC** unavailable	0347	**SEAS** X.25 **Link** is available
0346	**SEASUAL** session unavailable		

Security Log Alarm

Table A-47 shows the minor and normal **Security Log** alarms and the clearing alarm that appears when each condition is resolved.

Table A-47 Security Log Alarms

Minor		Normal	
UAM	Text	**UAM**	Text
0174	%full threshold reached-upload required	0177	Security log exception cleared
0175	**LOGGUFROVFL-SECUL**–G - upload required		
0176	Stby security log – upload required		
Normal		Normal	
0178	Security log failed	0177	Security log exception cleared

Security System Alarms

Table A-48 shows the major Security System alarm and the clearing alarm that appears when the condition is resolved.

Table A-48 Security System Alarms

Major		Normal	
UAM	Text	**UAM**	Text

Table A-48 (Cont.) Security System Alarms

0392	**OA**&M **IP** Security feature status is OFF	0393	**OA**&M **IP** Security feature status is ON
		0199	**OA**&M **IP** Security feature disabled
Minor		Normal	
0157	OA&M Security Feature Risk detected	0158	OA&M Security Feature Risk cleared

SFLOG System Alarms

Table A-49 shows the critical **SFLOG** system alarm and the clearing alarm that appears when the condition is resolved.

Table A-49 SFLOG System Alarms

Critical		Normal	
UAM	Text	**UAM**	Text
0627	SFLOG SYSTEM is not available	0628	SFLOG SYSTEM is available
		0629	SFLOG SYSTEM is removed

SLK Alarms

Table A-50 shows the major, minor, and normal **SLK** alarms and the clearing alarm that appears when each condition is resolved.

Table A-50 SLK Alarms

Major		Normal	
UAM	Text	**UAM**	Text
0201	**REPT-LKF**: remote **NE** loopback	0223	**REPT-LKF**: remote **NE** loopback cleared
		0401	**Alarm** cleared by deleting **SLK**
0202	**REPT-LKF**: HWP -too many interrupts	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0203	**REPT-LKF**: lost data	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0204	REPT-**LKF**: XER-ERM threshold exceeded	0200	RCVRY-**LKF**: link available

Table A-50 (Cont.) SLK Alarms

		0401	Alarm cleared by deleting **SLK**
0205	**REPT-LKF**: APF - lvl-2 **T1** expd (ready)	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0206	**REPT-LKF**: APF -lvl-2 **T1** expd(not ready)	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0207	**REPT-LKF**: APF - lvl-2 T3 expired	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0208	**REPT-LKF**: APF - lvl-2 T2 expired	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0209	**REPT-LKF**: APF - failed proving period	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0210	**REPT-LKF**: OSA - received **SIO**	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0211	**REPT-LKF**: OSA - received **SIN**	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0212	**REPT-LKF**: OSA - received **SIE**	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0213	**REPT-LKF**: OSA - received **SIOS**	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0214	**REPT-LKF**: ABN - rcvd 2 of 3 invalid **BSN**	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0215	**REPT-LKF**: ABN - rcvd 2 of 3 invalid **FIB**	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0216	**REPT-LKF**: remote congestion timeout	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0217	**REPT-LKF**: **XDA** - excess acknowledge delay	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0218	**REPT-LKF**: COO - rcvd changeover order	0200	**RCVRY-LKF**: link available

Table A-50 (Cont.) SLK Alarms

		0401	**Alarm** cleared by deleting **SLK**
0219	**REPT-LKF**: false congestion restart	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0222	**REPT-LKF**: remote **FE** loopback	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0224	**REPT-LKF**: link test failed	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0230	**REPT-LKF**: local blocked - thermal	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0232	**REPT-LKF**: remote blocked	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0233	**REPT-LINK-MANUAV**: local blocked	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0234	**REPT-LKF**: **RMI** remote inhibited	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0235	**REPT-LINK-MGTINH**: local inhibited	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0236	**REPT-LKF**: not aligned	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0237	**REPT-LKF**: **LM** Timer NO-**CREDIT** expired	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0238	**REPT-LKF**: **XDA**-Timer NO-**RESPONSE** expired	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0239	**REPT-LKF**: MBL - local processor outage	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0240	**REPT-LKF**: rcvd remote processor outage	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0241	**REPT-LKF**: rcvd remote out of service	0200	**RCVRY-LKF**: link available

Table A-50 (Cont.) SLK Alarms

		0401	**Alarm** cleared by deleting **SLK**
0242	**REPT-LKF**: rcvd remote protocol error	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0243	**REPT-LKF**: rcvd remote mgmnt initiated	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0244	**REPT-LKF**: FAC - **DS1/E1 LOS** failure	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0245	**REPT-LKF**: FAC - **DS1/E1 LOF** failure	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0246	**REPT-LKF**: FAC - **DS1/E1 LCD** failure	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
0247	**REPT-LKF**: **XER** - **ISERM** threshold exceeded	0200	**RCVRY-LKF**: link available
		0401	**Alarm** cleared by deleting **SLK**
Minor		Normal	
UAM	Text	**UAM**	Text
0116	**Link** expected **IP TPS** threshold exceeded	0119	**LinkIPTPS** threshold normal
0477	Congestion: Copy Function De-activated	0479	Link not monitored
0531	Insufficient **HW** Copy Function Inhibited	0478	Copy Function Activated
		0479	**Link** not monitored
0583	Unexpected SAM Received	0584	Expected SAM Received
Normal		Normal	
UAM	Text	**UAM**	Text
0264	**REPT-LINK-CGST**: congestion level 0 to 1	0269	**RCVRY-LINK-CGST**:congestion has cleared
0265	**REPT-LINK-CGST**: congestion level 1 to 2	0268	**RCVRY-LINK-CGST**:congestion level 2 to 1

Table A-50 (Cont.) SLK Alarms

		0269	**RCVRY-LINK-CGST**:congestion has cleared
0266	**REPT-LINK-CGST**: congestion level 2 to 3	0267	**RCVRY-LINK-CGST**:congestion level 3 to 2
		0269	**RCVRY-LINK-CGST**:congestion has cleared
0270	**REPT-LINK-CGST**: discard level 0 to 1	0275	**RVCRY-LINK-CGST**: discard has cleared
0271	**REPT-LINK-CGST**: discard level 1 to 2	0274	**RVCRY-LINK-CGST**: discard level 2 to 1
		0275	**RVCRY-LINK-CGST**: discard has cleared
0272	**REPT-LINK-CGST**: discard level 2 to 3	0273	**RVCRY-LINK-CGST**: discard level 3 to 2
		0275	**RVCRY-LINK-CGST**: discard has cleared

STPLAN Alarms

Table A-51 shows the critical and major **STPLAN** alarms and the clearing alarm that appears when each condition is resolved.

Table A-51 STPLAN Alarms

Critical		Normal	
UAM	Text	**UAM**	Text
0153	**STPLAN** not available	0150	**STPLAN** is available
		0154	**STPLAN** is removed
Major		Normal	
0152	**LIM**(s) have been denied **STPLAN** service	0150	**STPLAN** is available
		0154	**STPLAN** is removed
Minor		Normal	
0151	**STPLAN** capacity normal, card(s) abnormal	0150	**STPLAN** is available
		0154	**STPLAN** is removed

<subsystem> System Alarms

Table A-52 shows system alarms that may occur for different subystems and the clearing alarm that appears when each condition is resolved. The name of the subsystem varies.

Table A-52 <subsystem> System Alarms

Critical		Normal	
UAM	Text	**UAM**	Text
0592	<*subsystem*> Subsystem is not available	0595	<*subsystem*> Subsystem is available
		0594	<*subsystem*> Subsystem normal, card(s) abnormal
0593	<*subsystem*> Subsystem is disabled	0596	<*subsystem*> Subsystem is removed
		0594	<subsystem> Subsystem normal, card(s) abnormal
Major		Normal	
0598	<*subsystem*> degraded, card(s) abnormal	0595	<*subsystem*> Subsystem is available
		0596	<*subsystem*> Subsystem is removed
Minor		Normal	
0594	<*subsystem*> Subsystem normal, card(s) abnormal	0595	<*subsystem*> Subsystem is available
		0596	<*subsystem*> Subsystem is removed

System Alarms

Table A-53 shows the critical, major, and minor System alarms and the clearing alarm that appears when each condition is resolved.

Table A-53 System Alarms

Critical		Normal	
UAM	Text	**UAM**	Text
0308	Node isolated due to **SLK** failures	0309	Node is no longer isolated
0368	Temp Keys(s) have expired.	0366	Temp **Key**(s) expiration alarm cleared
0438	Degraded Mode, Invalid **OAM HW** config	0439	Exiting Degraded Mode
0561	Can't establish Hi Bit rate;All HW OK	0562	Hi Bit rate established

Table A-53 (Cont.) System Alarms

Major		Normal	
0011	Entering forced simplex mode	0018	Exiting forced simplex mode
0367	Temp Keys(s) expiring soon.	0366	Temp **Key**(s) expiration alarm cleared
0911	Dynamic database is inconsistent	0912	Dynamic database is now consistent
Minor		Normal	
0302	Cooling fan failure	0303	Cooling fans normal

System GPL Alarms

Table A-54 shows the minor **GPL** alarms and the clearing alarm that appears when each condition is resolved.

Table A-54 System GPL Alarms

Minor		Normal	
UAM	Text	**UAM**	Text
0143	System release **GPL**(s) not approved	0142	System release alarm cleared
0144	System release version unknown		

T1 Port Alarms

Table A-55 shows the major **T1** alarms and the clearing alarm that appears when each condition is resolved.

Table A-55 T1 Port Alarms

Major		Normal	
UAM	Text	**UAM**	Text
0369	**REPT**-T1F:**FAC-T1** unavailable	0380	**RCVRY**-T1F:**FAC-T1** available
0376	**REPT**-T1F:**FAC-T1LOS** failure		
0377	**REPT**-T1F:**FAC-T1LOF** failure		
0378	**REPT**-T1F:**FAC-T1** Remote **Alarm**		
0379	**REPT**-T1F:**FAC-T1Alarm**		

Terminal Alarms

Table A-56 shows the minor Terminal alarm and the clearing alarm that appears when the condition is resolved.

Table A-56 Terminal Alarms

Minor		Normal	
UAM	Text	**UAM**	Text
0048	Terminal failed	0046	Terminal enabled

V-Flex System Alarms

Table A-57 shows the major and minor X-**LIST** alarms and the clearing alarm that appears when each condition is resolved.

Table A-57 V-Flex System Alarms

Critical		Normal	
UAM	Text	**UAM**	Text
0551	V-Flex Subsystem is not available	0554	VFLEX Subsystem is available
		0555	VFLEX Subsystem is removed
0552	VFLEX Subsystem is disabled	0554	VFLEX Subsystem is available
		0555	VFLEX Subsystem is removed
Major		Normal	
0556	V-Flex Subsystem degraded, card(s) abnormal	0554	VFLEX Subsystem is available
		0555	VFLEX Subsystem is removed
Minor		Normal	
0553	VFLX Subsystem normal, card(s) abnormal	0554	VFLEX Subsystem is available
		0555	VFLEX Subsystem is removed

X-LIST Alarms

Table A-58 shows the major and minor X-**LIST** alarms and the clearing alarm that appears when each condition is resolved.

Table A-58 X-LIST Alarms

Major		Normal	

Table A-58 (Cont.) X-LIST Alarms

UAM	Text	**UAM**	Text
0338	X-**LIST** space full-entry(s) discarded	0339	X-**LIST** space full condition abated
Minor		Normal	
0321	X-**LIST** occupancy threshold exceeded	0322	X-List occupancy below threshold

B

Unsolicited Output Message Groups

This appendix provides a list of the unsolicited alarm messages (**UAM**s) and unsolicited information messages (**UIM**s) generated by the **EAGLE** and the output groups to which these messages are assigned. The output message groups are shown in alphabetical order.

These messages are broadcast to the **EAGLE** terminals. To control which terminals these messages are broadcast, the messages have been placed into these output message groups. The `chg-trm` command is used to control to which terminals these groups of output messages are broadcast. For details about using the `chg-trm` command, see the "Changing Terminal Characteristics" procedure in *Database Administration - System Management User's Guide*, or the `chg-trm` command description in *Commands User's Guide*.

Scheduled Measurements for systems up to 700 links are sent to the Traffic Unsolicited Output Message Group and are not included in this appendix. No other unsolicited output is sent to this output group. Refer to *Measurements Reference* for traffic measurements information. Refer to *System Administration - System Management User's Guide* for information on configuring the measurements terminal for systems up to 700 links.

Each table contains the number of the **UAM** or **UIM**, the alarm level assigned to the message, and the text of the message.

Application Subsystem Unsolicited Output Message Group

Table B-1 Application Subsystem Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0283	Major	**LNP** Ported **LRNs** approaching Feat. Capacity
0284	None	**LNP** Ported **LRNs** Capacity Normal
0285	Major	**LNP** Ported **NPAs** approaching Feat. Capacity
0286	None	**LNP** Ported **NPAs** Capacity Normal
0287	Critical	**RTDB** Table Level 2 **FAK** Cap Exceeded
0288	Major	**RTDB** Table Level 1 **FAK** Cap Exceeded
0289	None	**RTDB** Table **FAK** Capacity Normal
0394	None	INP Subsystem is available
0395	Critical	INP Subsystem is not available

Table B-1 (Cont.) Application Subsystem Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0396	Critical	INP Subsystem is disabled
0397	None	INP Subsystem is removed
0398	Minor	INP Subsystem normal, card(s) abnormal
0424	Critical	**LNP** Subsystem is not available
0425	Minor	**LNP** Subsystem normal, card(s) abnormal
0426	None	**LNP** Subsystem is available
0427	Major	LNP Subsystem degraded, card(s) abnormal
0428	Major	INP Subsystem degraded, card(s) abnormal
0429	Major	ATINPQ Subsystem degraded, card(s) abnormal
0434	None	**LNP** Subsystem is removed
0435	Critical	**LNP** Subsystem is disabled
0436	Major	**LNPACG** node overload
0452	Major	Exceeded Service Error Threshold Lvl 1
0453	Critical	Exceeded Service Error Threshold Lvl 2
0454	Normal	Service Error Threshold **Alarm** Cleared
0455	Critical	**EIR** Subsystem is not available
0456	Critical	**EIR** Subsystem is disabled
0457	Minor	**EIR** Subsystem normal, card(s) abnormal
0458	None	**EIR** Subsystem is available
0459	None	**EIR** Subsystem removed
0460	Major	EIR Subsystem degraded, card(s) abnormal
0500	None	**Alarm** for this entity is being cleared
0526	None	Service is available
0527	Minor	Service abnormal
0528	Critical	Service is not available
0529	Critical	Service is disabled
0530	None	Service is removed
0547	Major	Service degraded
0551	Critical	V-Flex Subsystem is not available

Table B-1 (Cont.) Application Subsystem Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0552	Critical	V-Flex Subsystem is disabled
0553	Minor	V-Flex Subsystem normal, card(s) abnormal
0554	None	V-Flex Subsystem is available
0555	None	V-Flex Subsystem is removed
0556	Major	V-Flex Subsystem degraded, card(s) abnormal
0565	Critical	ATINPQ Subsystem is not available
0566	Critical	ATINPQ Subsystem is disabled
0567	Minor	ATINPQ Subsystem normal, card(s) abnormal
0568	None	ATINPQ Subsystem is available
0569	None	ATINPQ Subsystem is removed
0598	Major	Subsystem degraded, card(s) abnormal
1030	None	Inh **EIR SS** request already outstanding
1031	None	Failure Inhibiting **EIR SS**
1102	None	Invalid Length for Map **IMEI** Parameter
1103	None	**LSS**:No Map **IMEI** Parameter present
1121	None	**LNP** rcvd query from unknown **CGPA PC**
1122	None	**LNP** rcvd query with undefined **TT**
1123	None	**LNP** rcvd query with Message Relay **TT**
1124	None	SIP: Dgts truncated in 302 response
1139	None	DEIROPTS: DEIR Global Response is ON
1140	None	DEIROPTS: DEIR Global Response is OFF
1164	None	Inh **LNP SS** request already outstanding
1166	None	**ACG** Node Overload Level Change
1169	None	**SCCP** rcvd inv **TCAP** portion
1174	None	Inh Local **SS** request already outstanding
1242	None	Conv to intl num - Dflt **CC** not found
1243	None	Conv to intl num - Dflt **NC** not found
1244	None	Conv to intl num - Dflt **MCC** not found
1245	None	Conv to intl num - Dflt **MNC** not found

Table B-1 (Cont.) Application Subsystem Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
1246	None	Invalid length of conditioned digits
1247	None	Conversion of **MGT** to **IMSI** not possible
1255	None	**IS-41LNP** Qry rejected: **WNP** is OFF
1256	None	NP Circular Route detected
1260	None	**LSS**: Unsupported **TCAP** msg type
1261	None	**LSS**: Invalid len in transaction portion
1262	None	**LSS**: Invalid len in dialogue portion
1263	None	**LSS**: Invalid len in component portion
1264	None	**LSS**: No originating transaction **ID**
1265	None	**LSS**: Invalid transaction **ID** len
1266	None	**LSS**: **Destination** transaction **ID** in Begin
1267	None	**LSS**: No External element
1268	None	**LSS**: No External Object Identifier
1269	None	**LSS**: Not Structured Dialogue
1270	None	**LSS**: No External **ASN1**-Type
1271	None	**LSS**: No Dialogue Request
1272	None	**LSS**: No Application Context Name
1273	None	**LSS**: No **ACN** Object Identifier
1274	None	**LSS**: No component portion
1275	None	**LSS**: First component not an Invoke
1276	None	**LSS**: No Invoke **ID**
1277	None	**LSS**: No operation code
1278	None	**LSS**: No parameter (set/sequence)
1279	None	**LSS**: Unsupported network type
1280	None	**LSS**: Unsupported **SCCP** msg type
1282	None	**LSS**: Unsupported **SCCPCDPAGTI**
1283	None	**LSS**: Unsupported **SCCPCGPARI**
1284	None	**LSS**: Unknown **SSPPC**

Table B-1 (Cont.) Application Subsystem Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
1285	None	**LSS**: No **SCCPCGPASSN**
1286	None	**LSS**: Invalid **INAP** CalledPartyNumber len
1287	None	**LSS**: Unsupported **ACN** Object **ID** len
1288	None	**LSS**: Unsupported operation code
1289	None	**LSS**: No parameter sequence
1290	None	**LSS**: No **INAP** ServiceKey parameter
1291	None	**LSS**: No **INAP** CalledPartyNumber parameter
1292	None	**LSS**: Parameters out of sequence
1293	None	**LSS**: Linked **ID** in query
1294	None	Invalid digits in **MAP MSISDN** parameter
1295	None	Translation **PC** is **EAGLE**'s
1296	None	Translation **PC** type is **ANSI**
1297	None	Invalid length of prefix/suffix digits
1298	None	SIP message decode failed
1306	None	**GSMOPTS**: **EIR** Global Response in ON
1307	None	**GSMOPTS**: **EIR** Global Response in OFF
1342	None	**ANSIIS-41INP** Qry rejected: **AINPQ** is OFF
1343	None	**INAPINP** Qry rejected: **INPQ** is OFF
1346	None	**IS-41** Missing Mandatory Parameters
1347	None	**IS-41** Digits - Bad Encoding Scheme
1348	None	**IS-41** Number of dgts exceeds the maximum
1374	None	SMS NP Destination address decode failed SMS B-Party address decode failed
1375	None	SMS NP Failed to modify TCAP message SMS B-Party Failed to modify TCAP MSU
1376	None	SMS NP outbound digits length exceeds limit SMS Failed to modify B-Party digits
1378	None	Inh VFlex SS request already outstanding
1379	None	Failure Inhibiting VFlex SS
1380	None	VFLEX: No RN digits provisioned

Table B-1 (Cont.) Application Subsystem Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
1381	None	VFlex: CD entry not found
1382	None	LSS: Too many digits for DRA parameter
1384	None	G-Flex MLR: Op without IMSI erroneous
1385	None	G-Flex MLR: Op without IMSI skipped
1386	None	G-Flex MLR: Op with bad TCAP skipped
1387	None	G-Flex MLR: Op with bad IMSI skipped
1395	None	Inh ATINPQ SS request alrdy outstanding
1396	None	Failure Inhibiting ATINPQ SS
1397	None	LSS: Missing Mandatory Parameter
1398	None	ATINPQ: Badly formatted Subs Id
1399	None	ATINPQ: Subscriber Identity not MSISDN
1400	None	LSS: Invalid MSISDN digits length
1401	None	LSS: Unsupported numbering plan
1402	None	ATINPQ: Invalid Requested Info
1403	None	LSS: Dgts truncated in encd parms
1408	None	TIF: Modified MSU too large to route
1410	None	MOSMS: Migrated Subscriber with no entity
1416	None	MAP Missing Mandatory Parameters
1425	None	SMS A-party Address decode failed
1426	None	S-Port: Missing GRN for srvc prtd subs
1433	None	AIQ: Inhibit request already pending
1434	None	AIQ: Failure Inhibiting SS
1435	None	AIQ: TriggerType not provisioned
1436	None	AIQ: : Unsupported Digits(Dialed) length
1439	None	SIP card exceeded threshold TPS
1440	None	G-Flex MLR: Op with bad MSISDN skipped
1448	None	G-Flex MLR: Op w/o IMSI/MSISDN skipped
1450	None	IDPRCDPN CDPN Encoding Failed
1451	None	IDPRCDPN CGPN Encoding Failed

Card Unsolicited Output Message Group

Table B-2 Card Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0001	Major	**Card** has reset
0008	Major	Active **MASP** has become isolated
0009	None	**MASP** became active
0010	None	**MASP** became standby
0013	Major	Card is isolated from the system
0014	None	**Card** is present
0021	Minor	Clock A for card failed, Clock B normal
0022	Minor	Clock B for card failed, Clock A normal
0023	Minor	Clocks A and B for card failed
0024	None	Clock A for card normal
0025	None	Clock B for card normal
0026	None	Clocks A and B for card normal
0030	Minor	HIPR2 detected a minor Congested Second
0031	Major	HIPR2 detected a major Congested Second
0032	None	HIPR2 Congestion cleared
0033	None	**Card** database has been corrected
0034	Minor	**Card** database is inconsistent
0035	Minor	**Card** database is corrupted
0036	None	**Card** backup database has been corrected
0037	Minor	**Card** backup database is inconsistent
0038	Minor	**Card** backup database is corrupted
0053	Major	Standby **TDM** failure
0054	None	Standby **TDM** failure cleared
0055	Minor	Persistent device state tbl corrupt
0056	Minor	Persistent device state tbl diff version
0057	None	Persistent device state tbl corrected
0077	Critical	**Card** temperature is critical lvl:T2

Table B-2 (Cont.) Card Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0078	Major	**Card** temperature above nominal
0079	None	**Card** temperature within nominal levels
0080	Major	Shelf FAN bit is OFF
0081	None	Shelf FAN bit is ON
0092	Critical	**MDAL** not responding
0093	None	**MDAL** alarm cleared
0096	None	**Card** has been reloaded
0099	Major	Incompatible **HW** for provisioned slot
0102	Minor	Motherboard **BIP** invalid
0103	None	Motherboard **BIP** valid
0124	Minor	ENUM Threshold -Level1 exceeded
0125	Major	ENUM Threshold -Level2 exceeded
0126	Normal	ENUM Threshold Condition cleared
0127	Critical	ENUM card capacity exceeded
0129	Normal	ENUM card TPS is normal
0130	None	**Card** successfully loaded with data
131	None	HW alarm cleared for Intgd Measurements
0132	Major	Loading failed: table not found
0133	Major	Loading failed: data read Error
0134	Major	Loading failed: bad checksum returned
0135	Major	Loading failed: **GPL** load timeout
0136	Major	Loading failed: data load timeout
0137	Major	Loading failed: invalid **GPL**
0138	Major	Loading failed: **GPL** format error
0139	Major	Loading failed: disk read prep error
0140	Major	Loading failed: disk read response error
0141	Major	Loading failed: disk read failed
0145	Minor	**HS** Clock A for card failed, B normal
0146	Minor	**HS** Clock B for card failed, A normal
0147	Minor	High Speed Clocks A & B for card failed

Table B-2 (Cont.) Card Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0148	None	High Speed Clock A for card normal
0149	None	High Speed Clock B for card normal
0159	None	High Speed Clocks A & B for card normal
0297	Major	Incorrect **LIM** port configuration
0298	Minor	**Card** not using config. **SCTP** csum method
0299	None	Config. **SCTP** csum method alarm cleared
0300	Major	**TVG** Grant Failure
0301	None	**TVG** Grant Recovery
0400	None	**Alarm** cleared by deleting card
0422	Major	Insufficient memory for **LNP**
0423	None	**Card** reload attempted
0441	Major	Incorrect **MDB** - **CPU**
0442	Critical	**RTDB** database capacity is 95% full
0443	Major	**RTDB** database is corrupted
0444	Minor	**RTDB** database is inconsistent
0445	None	**RTDB** database has been corrected
0446	Major	**RTDB** database capacity is 80% full
0447	None	**RTDB** database memory alarm cleared
0448	Minor	**RTDB** database is incoherent
0449	Major	**RTDB** resynchronization in progress
0450	Major	Invalid HW for Integrated GLS
0451	Major	**RTDB** reload is required
0452	Major	Exceeded Service Error Threshold Lvl1
0453	Critical	Exceeded Service Error Threshold Lvl 2
0454	None	Service Error Threshold **Alarm** Cleared
0486	Minor	DEIR Threshold - Level1 exceeded
0487	Major	DEIR Threshold - Level2 exceeded
0488	Normal	DEIR Threshold Condition Cleared
0489	Critical	DEIR capacity exceeded

Table B-2 (Cont.) Card Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0490	Normal	DEIR normal
0500	None	**Alarm** for this entity is being cleared
0548	Major	GTT HexTree DB corrupted. TPS derated
0549	Major	GTT HexTree DB incoherent. TPS derated
0550	Normal	GTT HexTree DB alarm cleared
0570	Minor	Incompatible flash image for sys rel
0573	Major	BERT Test Failed
0574	None	BERT Test Passed
0575	Major	Card type not HIPR2
0622	Minor	SIP Threshold - Level1
0623	Major	SIP Threshold - Level2
0624	None	SIP Threshold condition cleared
0625	None	SIP SYSTEM normal, card(s) abnormal
0626	None	SIP Threshold Level Critical
0901	Major	**CardDB** load timeout, check **GLS** card
0902	None	**CardDB** is stable
0903	Major	**IPLink** A is down
0904	None	**IPLink** A is up
0905	Major	**IPLink** B is down
0906	None	**IPLink** B is up
0907	None	**HW** limiting **TPS** rate alarm cleared
0908	Major	**HW** cannot support purchased **TPS** rate
1082	None	Amem single bit error report
1119	None	Cards out of phase with flash procedure
1141	None	AIN INP Qry rejected: AINPQ is OFF
1158	None	Minor HIPR2 switching capacity reached
1159	None	Major HIPR2 switching capacity reached
1238	None	Full database reload initiated
1241	None	SCCP Card logging capacity exceeded
1298	None	SIP message decode failed

Table B-2 (Cont.) Card Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
1453	None	EE Collection started
1454	None	EE Collection end
1455	None	EE Queue Full, Package dropped
1456	None	Hub Congested, Package dropped
1457	None	GEDTI Port enabled
1458	None	GEDTI Port disabled
1459	None	TCP Connection lost b/w IPSM and EEPC
1462	None	EE not configured
1472	None	SCTP Buffer full timer expired, Restart
1473	None	Unable to connect to socket
1474	None	GTT DB reload initiated

Clock Unsolicited Output Message Group

Table B-3 Clock Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0113	None	Clock alarm(s) cleared
0128	Critical	All clocks have failed
0160	Minor	1116-S clock failed
0161	Minor	1116-P clock failed
0162	Major	1116-P, 1116-S clocks failed
0163	Minor	1114-S clock failed
0164	Major	1114-S, 1116-S clocks failed
0165	Minor	1114-S, 1116-P clocks failed
0166	Major	1114-S, 1116-P, 1116-S clocks failed
0167	Minor	1114-P clock failed
0168	Minor	1114-P, 1116-S clocks failed
0169	Major	1114-P, 1116-P clocks failed
0170	Major	1114-P, 1116-P, 1116-S clocks failed
0171	Major	1114-P, 1114-S clocks failed

Table B-3 (Cont.) Clock Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0172	Major	1114-P, 1114-S, 1116-S clocks failed
0173	Major	1114-P, 1114-S, 1116-P clocks failed
0183	Minor	1116-**SHS** clock failed
0184	Minor	1116-**PHS** clock failed
0185	Major	1116-**PHS**, 1116-**SHS** clocks failed
0186	Minor	1114-**SHS** clock failed
0187	Major	1114-**SHS**, 1116-**SHS** clocks failed
0188	Minor	1114-**SHS**, 1116-**PHS** clocks failed
0189	Major	1114-**SHS**, 1116-**PHS**, 1116-**SHS** clks failed
0190	Minor	1114-**PHS** clock failed
0191	Minor	1114-**PHS**, 1116-**SHS** clocks failed
0192	Major	1114-**PHS**, 1116-**PHS** clocks failed
0193	Major	1114-**PHS**, 1116-**PHS**, 1116-**SHS** clks failed
0194	Major	1114-**PHS**, 1114-**SHS** clocks failed
0195	Major	1114-**PHS**, 1114-**SHS**, 1116-**SHS** clks failed
0196	Major	1114-**PHS**, 1114-**SHS**, 1116-**PHS** clks failed
0197	Critical	All High Speed Clocks have failed
0198	None	High Speed Clock **Alarm**(s) Cleared
0403	Major	1114 **E1**/**T1** clock requires **TDM-GTI**
0404	Major	1116 **E1**/**T1** clock requires **TDM-GTI**
0405	Major	1114, 1116 **E1**/**T1** clock requires **TDM-GTI**
0406	Major	1114 Clock selection mismatch
0407	Major	1116 Clock selection mismatch
0408	Major	1114, 1116 Clock selection mismatch
0409	None	Clock configuration corrected
0500	None	**Alarm** for this entitiy is being cleared
1185	None	**GTI** input clock anomalies detected

Database Unsolicited Output Message Group

Table B-4 Database Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
1114	None	**DatabaseBACKUP** started
1115	None	**DatabaseRESTORE** started
1116	None	**Database** action ended - **OK**
1117	None	**Database** action ended - **FAIL**
1257	None	**DB** restore has cleared and Disabled **PDS**

GTT Unsolicited Output Message Group

Table B-5 GTT Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0262	Major	GTT Duplicate Actn processing stopped
0263	None	GTT Duplicate Actn processing resumed
0328	None	**SCCP** is available
0329	None	**SCCP** capacity normal, card(s) abnormal
0330	Major	System **SCCP TPS** Threshold exceeded
0331	Critical	**SCCP** is not available
0335	None	**SCCP** is removed
0336	Major	**LIM**(s) have been denied **SCCP** service
0437	Critical	System **SCCP TPS** Capacity Exceeded
0500	None	**Alarm** for this entity is being cleared
0630	Major	Throttle Threshold - exceeded
0631	None	Throttle Threshold - cleared
0632	Minor	Alarm Threshold - exceeded
0633	None	Alarm Threshold - cleared
1019	None	**SCCP** rcvd invalid **UDTS**/**XUDTS** msg
1020	None	IARCDPN NPP Service is off
1021	None	IARCGPN NPP Service is off
1023	None	**SCCP** rcvd unknown msg type

Table B-5 (Cont.) GTT Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
1024	None	**SCCP** rcvd inv msg length
1025	None	**SCCP** rcvd inv msg class
1029	None	**SCCP** rcvd inv Cld Party - bad **GT** ind
1033	None	**SCCP** rcvd inv Cld Party - bad network
1034	None	**SCCP** rcvd inv Cld Party - no **SSN**
1035	None	**SCCP** rsp did not route - invalid **GTI**
1036	None	**SCCP** rsp did not route - invalid **TT**
1037	None	**SCCP** rsp did not route - bad Xlation
1038	None	**SCCP** rsp did not route - **SSP** not True **PC**
1039	None	**SCCP** rsp did not route - bad Selectors
1040	None	**ITU** <-> **ANSI** translation not supported
1041	None	**SCCP** did not route - no **SSN** in msg or **DB**
1042	None	**SCCP** rcvd inv **GT** - invalid Trans. Type
1043	None	**SCCP** did not route - bad translation If the **UIMRD** field in rtrv-stpopts is set to yes, this message is output in the **UIM** Redirect output group (see Table B-16).
1044	None	**SCCP** did not route - **DPC OOS**
1045	None	**SCCP** did not route - **DPC** congested
1046	None	**SCCP** did not route - **DPC** not in **MAP** tbl If the **UIMRD** field in rtrv-stpopts is set to yes, this message is output in the **UIM** Redirect output group (see Table B-16).
1047	None	**SCCP** did not route - **SS OOS**
1048	None	**SCCP** did not route - **SS** congested
1049	None	**SCCP** did not route - **SS** not in **MAP** tbl
1050	None	**SCCP-CNV**: Unable to convert **ANSICDPAGT**
1051	None	**SCCP-CNV**: Unable to convert **ANSICGPAGT**
1052	None	**SCCP-CNV**: Unable to convert **ITUCDPAGT**
1053	None	**SCCP-CNV**: Unable to convert **ITUCGPAGT**
1054	None	**SCCP** rcvd inv **LSS** - bad **SSN**
1055	None	**SCCP** rcvd inv **SCMG** - bad **AFTPC**

Table B-5 (Cont.) GTT Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
1056	None	**SCCP** rcvd inv **SCMG** - bad subsystem
1057	None	**SCCP** rcvd inv **SCMG** - bad length
1058	None	**SCCP** rcvd inv **SCMG** - bad msg type
1063	None	**SCCP** screen set is too large
1077	None	GTT Action TCAP ERROR DISCARDED MSU
1078	None	GTT Action DUPLICATE FAILED
1079	None	GTT Action FORWARD FAILED
1107	None	**SCCPXUDT** (S) msg: Hop Counter violation
1108	None	**SCCPXUDT** (S) msg: inv opt portion len
1109	None	**XUDT**(S) msg: inv segmentation parm
1143	None	GTT(FLOBR) failure: duplicate settype
1144	None	GTT(FLOBR) warning: duplicate settype
1145	None	MBR decoding failed
1178	None	Cnvrsn Discard: Invalid **SCCP** msg type
1179	None	Cnvrsn Discard: **CGPA PC** alias undefined
1180	None	Cnvrsn Discard: Aft. **PC** alias undefined
1181	None	Cnvrsn Discard: Invalid **SCMG** msg type
1182	None	Cnvrsn Discard: Invalid **TCAP** element
1183	None	Cnvrsn Discard: Invalid **TCAP** element len
1189	None	**SCCP** did not route: **DPC** not in **RTE** table
1190	None	**SCCP** rcvd inv Clg Party - bad **GT** ind
1191	None	**SCCP** rcvd inv Clg Party - bad selectors
1192	None	GTT Action UDTS DISCARDED MSU
1193	None	GTT Action DISCARD DISCARDED MSU
1195	None	**SCCP** did not route: **DPC**/**SS** not in Mapset
1219	None	**SCCP** rcvd inv Cld Party - bad **GT** ind
1220	None	**SCCP** rcvd inv Cld Party - bad network
1221	None	**SCCP** rcvd inv Cld Party - no **SSN**
1222	None	**SCCP** rcvd inv Cld Party - bad Selectors

Table B-5 (Cont.) GTT Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
1223	None	**SCCP** rcvd inv Cld Party - bad Xlation
1224	None	**SCCP** rcvd inv Cld Party - bad **SSN**
1225	None	**SCCP** did not route - **DPC OOS**
1226	None	**SCCP** did not route - **DPC** congested
1227	None	**SCCP** did not route - **DPC** not in **MAP** tbl
1228	None	**SCCP** did not route - **SS OOS**
1229	None	**SCCP** did not route - **SS** congested
1230	None	**SCCP** did not route - **SS** not in **MAP** tbl
1231	None	**SCCP** Encode Failure
1232	None	**SCCP** Encode Failure 2
1240	None	MAP SCCP Validation Fail
1248	None	**GSM** Map Screening rcvd unknown orig
1249	None	**SCCP** rcvd **GSM** Map Opcode w/ forbid param
1250	None	**SCCP** rcvd undefined Map Op-Code
1341	None	**SRI** rcvd - **GSM2IS41not** provisioned
1344	None	**MSU** discarded: In-Service Thresholding
1388	None	Invalid prefix/suffix digit len for CdPA
1389	None	Invalid prefix/suffix digit len for CgPA
1392	None	IDPRCDPN(X) NPP SERVICE is OFF
1393	None	IDPRCGPN NPP SERVICE is OFF
1412	None	GTT(FLOBR) failure: max search depth
1413	None	GTT(FLOBR) failure: duplicate set name
1414	None	GTT(FLOBR) warning: max search depth
1415	None	GTT(FLOBR) failure: duplicate set name
1418	None	SCCP did not route - no SSN in CgPA
1419	None	SCCP did not route - no SSN in CdPA
1427	None	IAR CdPN parameter invalid or not found
1428	None	IAR CgPN parameter invalid or not found
1429	None	IAR TRIGTYPE invalid or not found

Table B-5 (Cont.) GTT Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
1430	None	IAR CdPN parameter encoding failed
1431	None	IAR CgPN parameter encoding failed
1443	None	**GTT** Action FAILED TO SEND **TCAP** ERROR
1444	None	**GTT** Loadsharing fail: PC not in MRNSET
1446	None	XUDT UDT conversion failed
1447	None	Cnvrsn Discard: inv segmentation parm
1475	None	TOBR Multiple Comp: Translation found
1476	None	TCAPMulComp: Dup Opcode MSU discarded

Gateway Screening Unsolicited Output Message Group

Table B-6 GWS Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0290	None	**GLS** is available
0291	Major	**GLS** is at minimum service limit
0292	Critical	**GLS** is not available
0293	None	**GLS** have been removed from the system
0500	None	**Alarm** for this entitiy is being cleared
1005	None	**GWS** rcvd **OPC** that is not allowed
1006	None	**GWS** rcvd **DPC** that is not allowed
1007	None	**GWS** rcvd **OPC** that is blocked
1008	None	**GWS** rcvd **DPC** that is blocked
1009	None	**GWS** rcvd **SIO** that is not allowed
1010	None	**GWS** rcvd a priority that is not allowed
1011	None	**GWS** rcvd **TFC**, **AFTPC** not in routing tbl
1012	None	**GWS** rcvd Clg Party that is not allowed
1013	None	**GWS** rcvd Cld Party that is not allowed
1014	None	**GWS** rcvd **Translation Type** not allowed
1015	None	**GWS** rcvd **SCMG** with not allowed **AFTPC**

Table B-6 (Cont.) GWS Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
1060	None	Map Screening cannot generate **ATIERR**
1062	None	Text string with screen set name & line #(<screen set name> too large)
1064	None	**GWS** rcvd **TFP**, **AFTPC** not in routing tbl
1065	None	**GWS** rcvd **TFR**, **AFTPC** not in routing tbl
1066	None	**GWS** rcvd **TFA**, **AFTPC** not in routing tbl
1067	None	**GWS** rcvd **UPU**, **AFTPC** not in routing tbl
1068	None	**GWS** rcvd **RSP**, **AFTPC** not in routing tbl
1069	None	**GWS** rcvd **RSR**, **AFTPC** not in routing tbl
1110	None	**GWS** rcvd **AFTPC** that is not allowed
1111	None	**GWS** rcvd **TCA**, **AFTPC** not in routing tbl
1112	None	**GWS** rcvd **TCR**, **AFTPC** not in routing tbl
1113	None	**GWS** rcvd **TCP**, **AFTPC** not in routing tbl
1125	None	**GWS** rcvd **CDPA** that could not be **RDCTd**
1126	None	**GWS** rcvd **CGPA** that could not be **RDCTd**
1127	None	**GWS** rcvd **AFTPC** that could not be **RDCTd**
1128	None	**GWS** rcvd **TT** that could not be **RDCTd**
1142	None	GWS Strip Stop Action Failed
1161	None	**GWS** rcvd nonSNM msg in **DESTFLD** screening
1162	None	**GWS** rcvd nonSCCP msg in **CGPA**/**CDPA** screen
1163	None	**GWS** rcvd invalid **GTI** in **TT** screening
1215	None	**GWS** rcvd **CDPA** that could not be **CNCFd**
1216	None	**GWS** rcvd **CGPA** that could not be **CNCFd**
1217	None	**GWS** rcvd **AFTPC** that could not be **CNCFd**
1218	None	**GWS** rcvd **TT** that could not be **CNCFd**
1258	None	Map Screening cannot Forward **MSU**
1259	None	Map Screening cannot Duplicate **MSU**
1301	None	**SECMTPMATE** - rcvd mate **PC** on non C-link
1302	None	**SECMTPSID** - rcvd **MSU** with **OPC** = **SID**

Table B-6 (Cont.) GWS Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
1303	None	**SECMTPSNM** - no rte to **OPC/AFTPC**
1304	None	**SECSCCPSCMG** - no rte to **AFTPC**
1407	None	Unexpected SI in TIF Stop Action
1449	None	Binding Failed for screen set: <screen set name>
1460	None	GWS Duplicate Stop Action Failed

Link Maintenance Unsolicited Output Message Group

Table B-7 Link Maintenance Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0084	Major	**IP** Connection Unavailable
0085	None	**IP** Connection Available
0086	Minor	**IP** Connection Congested
0087	None	**IP** Connection manually removed
0115	Major	Linkset **IP TPS** threshold exceeded
0116	Minor	**Link** expected **IP TPS** threshold exceeded
0118	None	Linkset **IP TPS** normal
0119	None	**LinkIPTPS** normal
0200	None	**RCVRY-LKF**: link available
0201	Major	**REPT-LKF**: remote **NE** loopback
0202	Major	**REPT-LKF**: **HWP** - too many link interrupts
0203	Major	**REPT-LKF**: lost data
0204	Major	**REPT-LKF**: **XER** - **SUERM** threshold exceeded
0205	Major	**REPT-LKF**: **APF** - lvl-2 **T1** expd (ready)
0206	Major	**REPT-LKF**: **APF** - lvl-2 **T1** expd (not ready)
0207	Major	**REPT-LKF**: **APF** - lvl-2 T3 expired
0208	Major	**REPT-LKF**: **APF** - lvl-2 T2 expired
0209	Major	**REPT-LKF**: **APF** - failed proving period
0210	Major	**REPT-LKF**: **OSA** - received **SIO**

Table B-7 (Cont.) Link Maintenance Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0211	Major	**REPT-LKF**: **OSA** - received **SIN**
0212	Major	**REPT-LKF**: **OSA** - received **SIE**
0213	Major	**REPT-LKF**: **OSA** - received **SIOS**
0214	Major	**REPT-LKF**: **ABN** - rcvd 2 of 3 invalid **BSN**
0215	Major	**REPT-LKF**: **ABN** - rcvd 2 of 3 invalid **FIB**
0216	Major	**REPT-LKF**: remote congestion timeout
0217	Major	**REPT-LKF**: excess acknowledge delay
0218	Major	**REPT-LKF**: **COO** - rcvd changeover order
0219	Major	**REPT-LKF**: false congestion restart
0220	Major	**REPT-LKF**: **MTP** link restart delayed
0222	Major	**REPT-LKF**: remote **FE** loopback
0223	None	**REPT-LKF**: remote **NE** loopback cleared
0224	Major	**REPT-LKF**: link test failed
0230	Major	**REPT-LKF**: local blocked - thermal
0232	Major	**REPT-LKF**: remote blocked
0233	Major	**REPT-LINK-MANUAV**: local blocked
0234	Major	**REPT-LKF**: **RMI** remote inhibited
0235	Major	**REPT-LINK-MGTINH**: local inhibited
0236	Major	**REPT-LKF**: not aligned
0237	Major	**REPT-LKF**: **LM** Timer NO-**CREDIT** expired
0238	Major	**REPT-LKF**: **XDA**-Timer NO-**RESPONSE** expired
0239	Major	**REPT-LKF**: **MBL** - local processor outage
0240	Major	REPT-LKF: rcvd remote processor outage
0241	Major	REPT-LKF: rcvd remote out of service
0242	Major	REPT-LKF: rcvd remote protocol error
0243	Major	REPT-LKF: rcvd remote mgmnt initiated
0244	Major	**REPT-LKF**: **FAC - DS1/E1 LOS** failure
0245	Major	**REPT-LKF**: **FAC - DS1/E1 LOF** failure

Table B-7 (Cont.) Link Maintenance Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0246	Major	**REPT-LKF**: **FAC - DS1/E1 LCD** failure
0247	Major	**REPT-LKF**: **XER - ISERM** threshold exceeded
0264	None	**REPT-LINK-CGST**: congestion level 0 to 1
0265	None	**REPT-LINK-CGST**: congestion level 1 to 2
0266	None	**REPT-LINK-CGST**: congestion level 2 to 3
0267	None	**RCVRY-LINK-CGST**: congestion level 3 to 2
0268	None	**RCVRY-LINK-CGST**: congestion level 2 to 1
0269	None	**RCVRY-LINK-CGST**: congestion has cleared
0270	None	**REPT-LINK-CGST**: discard level 0 to 1
0271	None	**REPT-LINK-CGST**: discard level 1 to 2
0272	None	**REPT-LINK-CGST**: discard level 2 to 3
0273	None	**RCVRY-LINK-CGST**: discard level 3 to 2
0274	None	**RCVRY-LINK-CGST**: discard level 2 to 1
0275	None	**RCVRY-LINK-CGST**: discard has cleared
0304	Minor	**REPT-NMTSK-DSCD**: **SNM** Discard Onset
0305	None	**RECVY-NMTSK-DSCD**: **SNM** Discard Abated
0306	Minor	**SNM** Overload Onset
0307	None	**SNM** Overload Abated
0311	None	**DPC** is allowed
0312	Minor	**DPC** is restricted
0313	Critical	**DPC** is prohibited
0314	None	**Route** is allowed
0315	None	**Route** is restricted
0316	None	**Route** is prohibited
0317	None	**RCVRY-LKSTO**: link set allowed
0318	Major	**REPT-LKSTO**: link set prohibited
0319	Critical	**REPT-MTPLP-DET**: Circ rte det(cong)
0320	Critical	**REPT-MTPLP-SUST**: Sustained circ rte(cong)

Table B-7 (Cont.) Link Maintenance Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0321	Minor	X-**LIST** occupancy threshold exceeded
0322	None	X-**LIST** occupancy below threshold
0324	None	**DPC** subsystem is allowed
0325	Critical	**DPC** subsystem is blocked
0326	Critical	**DPC** subsystem is prohibited
0327	None	**DPC** subsystem has been deleted
0332	Critical	**DPC** Subsystem is prohibited and blocked
0333	None	**DPC** Subsystem is Normal
0334	Critical	**DPC** Subsystem is Abnormal
0337	None	**DPC-SS** status changed
0338	Major	X-**LIST** space full-entry(s) discarded
0339	None	X-**LIST** space full condition abated
0340	None	**RCVRY-MTPLP-RST**:Circ rte status cleared
0369	Major	**REPT**-T1F:**FAC-T1** unavailable
0376	Major	**REPT**-T1F:**FAC-T1LOS** failure
0377	Major	**REPT**-T1F:**FAC-T1LOF** failure
0378	Major	**REPT**-T1F:**FAC-T1** Remote **Alarm**
0379	Major	**REPT**-T1F:**FAC-T1Alarm**
0380	None	**RCVRY**-T1F:**FAC-T1** available
0381	Major	**REPT**-E1F:**FAC-E1LOS** failure
0382	Major	**REPT**-E1F:**FAC-E1LOF** failure
0383	Major	**REPT**-E1F:**FAC-E1AIS** detected
0384	Major	**REPT**-E1F:**FAC-E1** Far End Failure
0385	Major	**REPT**-E1F:**FAC-E1** 10E-3 **BER** failed
0386	None	**RCVRY**-E1F:**FAC-E1** available
0387	Major	**REPT**-E1F:**FAC-E1** unavailable
0399	None	**RCVRY-LKSTO**: **Alarm** clr'd by deleting **SLK**
0401	None	**Alarm** cleared by deleting **SLK**

Table B-7 (Cont.) Link Maintenance Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0402	None	**Alarm** cleared by deleting route
0491	Major	Connection TPS exceeded
0492	Normal	Connection TPS normal
0493	Major	Diameter Connection Down
0494	Normal	Diameter Connection Up
0495	Normal	Diameter Connection Closed
0497	Major	REPT-J1F:FAC-J1 LOS failure
0498	Major	REPT-J1F:FAC-J1 LOF failure
0499	Major	REPT-J1F:FAC-J1 Remote Alarm
0500	None	**Alarm** for this entity is being cleared
0504	Major	REPT-J1F:FAC-J1 Alarm
0505	Normal	RRCVRY-J1F:FAC-J1 available
0506	Major	REPT-J1F:FAC-J1 unavailable
0532	None	**RTX** is allowed
0533	Minor	**RTX** is restricted
0534	Critical	**RTX** is prohibited
0535	Minor	**IP** Connection **Restricted**
0537	Major	Ethernet error threshold exceeded
0538	None	Ethernet error threshold cleared
0539	Major	Ethernet Interface Down
0540	None	Ethernet Interface Up
0560	Minor	REPT-LKSTO: link set restricted
1016	None	**MTP** Adj **PC** not in routing table
1018	None	**REPT-MTPERR**: **MTP** received - invalid **SIO**
1070	None	**SLTC** failure: invalid **Point Code** (**OPC**)
1071	None	**SLTC** failure: invalid **SLC**
1072	None	**SLTC** failure: no response
1073	None	**SLTC** failure: bad data pattern
1075	None	**MTP**: link bypassed **SLT** phase
1076	None	**SLTC** failure: invalid **Point Code** (**DPC**)

Table B-7 (Cont.) Link Maintenance Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
1081	None	**MTP**: **Changeback** T5 timeout
1084	None	**GWSMSU** discarded by redirect function
1085	None	**GWSMSU** too large to be redirected
1086	None	**LFS** test terminated with **OAM** switch over
1087	None	**MTPRSTRT** rcvd unexpected user traffic
1088	None	**REPT-MTP-RSTRT**: **MTP** Restart started
1089	None	**RCVRY-MTP-RSTRT**: **MTP** Restart Completed
1090	None	**ITUGWY**:**CPC** conversion failure
1091	None	**ITUGWY**:**OPC** conversion failure
1092	None	**ITUGWY**:H0H1 conversion failure
1093	None	**ITUGWY**:rcvd msg type cannot convert
1094	None	**ITUGWY**:Invalid **ISUP** msg structure
1095	None	**ITUGWY**:**GRS** buffer full
1096	None	**ITUGWY**:**RSC** buffer full
1097	None	**ITUGWY**:**CGB** buffer full
1100	None	**GWS** rcvd H0/H1 that is not allowed
1104	None	**IP** Connection Failed
1133	None	Diameter msg decode failed
1134	None	Diameter msg encode failed
1135	None	Invalid Diameter msg received
1136	None	Invalid Diameter msg length
1137	None	Diameter AVP decode failed
1138	None	Connection Refused
1146	None	**REPT-XLST-TIMO**: X-**LIST** entry expired
1147	None	**MTP** Invalid **TFA** received
1148	None	**MTP** Invalid **TFR** received
1149	None	**SLK** Level-3 T19 timer expired
1150	None	**SLK** Inhibit denied

Table B-7 (Cont.) Link Maintenance Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
1151	None	**SLK** Inhibit response timeout
1152	None	**SLK** Uninhibit denied
1153	None	**SLK** Uninhibit response timeout
1154	None	**MSU**-received threshold exceeded
1155	None	**MSU**-rejected threshold exceeded
1160	None	**GWS** rcvd **ISUP** that is not allowed
1167	None	SIP connection established
1168	None	SIP connection terminated
1172	None	**REPT-OVSZMSG**: **SCCPMSU** too large to route
1173	None	**REPT-OVSZMSG**: **MTPMSU** too large to route
1177	None	Cnvrsn Discard: **SCCP MSU** too large
1184	None	Cnvrsn Discard: Invalid **SCCP** element len
1233	None	**MTP** Invalid **ITU TFR RCVD**
1305	None	**MTP** rcvd **UPU**-User **SCCP**, Cause invalid
1332	None	Invalid Initial **M2PA FSN** Received
1350	None	Discrd Rcvd Lrg MSU CTRL-FEAT Off
1351	None	Discrd Trans Lrg MSU Unsupported SLK
1352	None	Discrd Rcvd Lrg MSU Unsptd Outbnd SLK
1353	None	DTA Bypassed for Rcvd Lrg MSU
1354	None	STPLAN Copy Bypassed for Lrg MSU
1357	None	Negotiation at 100Mbps/Full Duplex failed
1358	None	MSU discarded - too big after MTP conv.
1372	None	SLTC Failure-SLTM not sent, Invalid SIO
1394	None	Flushing undelivered MSUs
1442	None	Invalid EMP SCR Message Received
1452	None	Invalid IP Address From SCTP Heartbeat Response

Measurements Maintenance Unsolicited Output Message Group

Table B-8 Measurements Maintenance Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0012	Major	Invalid HW for Integrated Measurements
0500	None	**Alarm** for this entitiy is being cleared
0516	Minor	Degraded Mode - 1 card failed
0517	Major	Degraded Mode - multiple cards failed
0518	Critical	Measurements subsystem unavailable
0519	None	Measurements subsystem available
1022	None	System Meas limit exceeded for **LSONISMT**
1026	None	System Meas. limit exceeded for **LSORIGNI**
1027	None	System Meas. limit exceeded for **LSDESTNI**
1028	None	System Meas. limit exceeded for **ORIGNET**
1061	None	Meas sync not allowed from old version
1080	None	disk measurement status unreadable
1186	None	Meas data load failure: old version
1199	None	**LNPDTH** Measurements Discarded for **DPC**
1234	None	**LNP** Day Meas. Discarded for **NPANXX**
1251	None	Measurements data copy failure
1252	None	Report generation failure
1253	None	Report transfer failure **FTP** Server
1254	None	Scheduled transer failure
1310	None	System Meas. Limit exceeded for **LRN**
1311	None	System Meas. Limit exceeded for **NPANXX**
1417	None	PublicKey doesn't match known-host file
1445	None	LNP Day Meas. Discarded for LRN

Monitor Unsolicited Output Message Group

Table B-9 Monitor Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0051	Major	**TSC** sync is in simplex mode
0052	None	**TSC** sync feature is available
0088	Major	Clocks A and B **TSCs** are out of sync
0089	None	Clocks A and B **TSCs** are resynchronized
0468	Critical	All **STC** Networks Unavailable
0469	Critical	All **STC** Cards Unavailable
0470	None	**EROUTE** is Removed
0471	None	**EROUTE** System is Available
0472	Minor	**EROUTE** System Threshold Exceeded
0473	Major	**EROUTE** System Capacity Exceeded
0474	None	**EROUTE** capacity normal card(s) abnormal
0475	Minor	**NTP** Time Unavailable
0476	None	**NTP** Time Available
0477	Minor	Congestion: Copy Function De-activated
0478	None	Copy Function Activated
0479	None	**Link** not Monitored
0480	Minor	Timestamp Invalid
0481	None	Timestamp Valid
0482	Major	**Card**(s) have been denied **EROUTE** service
0500	None	**Alarm** for this entitiy is being cleared
0531	Minor	Insufficient **HW** Copy Function Inhibited
0571	Minor	Sentinel socket is inactive
0572	None	Sentinel socket is active
0576	Major	All FC Network Unavailable
0577	None	All FC cards removed
0578	None	FC System is Available
0579	Minor	FC Network Unavailable

Table B-9 (Cont.) Monitor Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0580	None	FC Network Available
0581	Minor	Loss of heartbeat
0582	None	Heartbeat Available
0583	Minor	Unexpected SAM Received
0584	None	Expected SAM Received
0588	Major	FC Port De-activated
0589	None	FC Port Activated
0590	Minor	Fast Copy Application De-activated
0591	None	Fast Copy Application Activated
0597	Minor	FC System is Deactivated

MPS Unsolicited Output Message Group

Table B-10 MPS Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0041	Critical	**LNPDB** Maintenance required
0042	None	**LSMS** bulk load complete
0250	None	**MPS** available
0261	Critical	**MPS** unavailable
0355	None	**LSMS** is available
0356	Critical	**LSMS** unavailable
0357	None	All **OAP** terminals are removed
0358	Major	**LSMS** connection unavailable
0359	None	**LSMS** connection available
0362	Major	**LSMS** is at min service limit
0370	Critical	Critical Platform Failure(s)
0371	Critical	Critical Application Failure(s)
0372	Major	Major Platform Failure(s)
0373	Major	Major Application Failure(s)

Table B-10 (Cont.) MPS Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0374	Minor	Minor Platform Failure(s)
0375	Minor	Minor Application Failure(s)
0500	None	**Alarm** for this entitiy is being cleared

Program Update Unsolicited Output Message Group

Table B-11 Program Update Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
1083	None	**REPTCOND**: system alive

SEAS Maintenance Unsolicited Output Message Group

Table B-12 SEAS Maintenance Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0341	Major	**OAP** unavailable
0342	Major	**SEASUAL** unavailable
0343	Major	**SEAS** X.25 **Link** unavailable
0344	Minor	**SEASPVC** unavailable
0345	Major	All **SEAS UAL** sessions unavailable
0346	Minor	**SEASUAL** session unavailable
0347	None	**SEAS** X.25 **Link** is available
0348	Major	**SEAS** is at min service limit
0349	Critical	**SEAS** unavailable
0350	Critical	**OAP** terminals inhibited
0351	None	**SEAS** is available
0352	None	**SEAS** is removed
0353	None	**OAP** is available
0354	Major	One **OAP** terminal unavailable
0360	Major	**EMS** Agent unavailable
0361	None	**EMS** Agent available

Table B-12 (Cont.) SEAS Maintenance Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0363	Minor	**OAP** filesystem full
0364	Minor	Config. data checksum mismatch
0365	None	Config. data checksum alarm cleared
0500	None	**Alarm** for this entitiy is being cleared
1099	None	Text string that was received from the **OAP**

Security Administration Unsolicited Output Message Group

Table B-13 Security Administration Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0174	Minor	%full threshold reached - upload required
0175	Minor	**LOGBUFROVFL-SECULOG** -upload required
0176	Minor	Stdby security log -- upload required
0177	None	Security log exception cleared
0178	None	Security log failed
0199	None	**OA**&M **IP** Security feature disabled
0500	None	**Alarm** for this entitiy is being cleared
1493	None	**SSH** Host Keys Regenerated
1494	None	**SSH** Host Keys Loaded

SLAN Maintenance Unsolicited Output Message Group

Table B-14 SLAN Maintenance Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0150	None	**STPLAN** is available
0151	Minor	**STPLAN** capacity normal, card(s) abnormal
0152	Major	**LIM**(s) have been denied **STPLAN** service
0153	Critical	**STPLAN** not available
0154	None	**STPLAN** is removed
0155	Minor	**STPLAN** connection unavailable

Table B-14 (Cont.) SLAN Maintenance Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0156	None	**STPLAN** connection available
0500	None	**Alarm** for this entitiy is being cleared
1132	None	**STPLANDLK** ping test completed

System Maintenance Unsolicited Output Message Groups

Table B-15 System Maintenance Unsolicited Output Message Groups

UAM/UIM Number	Alarm Level	Message Text
0002	Minor	**Card** is not running approved **GPL**
0003	None	**Alarm** cleared for **GPL**
0004	Minor	**Card** is running non-activated **GPL**
0005	None	**Alarm** cleared running non-activated **GPL**
0011	Major	Entering forced simplex mode
0018	None	Exiting forced simplex mode
0027	Minor	IMT Bus util rate exceeds minor thresh
0028	Major	IMT Bus util rate exceeds major thresh
0029	None	IMT Bus utilization threshold cleared
0039	None	**GPL** has been corrected
0040	Minor	**GPL** is corrupted
0043	Major	Incorrect feature configuration
0044	Minor	Real time clock battery low
0045	None	Real time clock battery restored
0046	None	Terminal enabled
0047	Major	**Card** type not valid for application
0048	Minor	Terminal failed
0058	Critical	Critical customer trouble detected
0059	Major	Major customer trouble detected
0060	Minor	Minor customer trouble detected
0061	None	Customer trouble detected

Table B-15 (Cont.) System Maintenance Unsolicited Output Message Groups

UAM/UIM Number	Alarm Level	Message Text
0062	None	Customer trouble cleared
0063	Critical	Critical holdover clock trouble detected
0064	Major	Major holdover clock trouble detected
0065	Minor	Minor holdover clock trouble detected
0066	None	Holdover clock trouble cleared
0077	Critical	**Card** temperature is critical lvl:T2
0078	Major	**Card** temperature above nominal
0079	None	**Card** temperature within nominal levels
0082	Major	**Alarm** in Fuse Panel
0083	None	Fuse Panel alarm has cleared
0097	None	**IMT** allowed
0098	None	**IMT** inhibited
0106	None	**IMT Bus** alarm cleared
0107	Minor	Minor **IMT** failure detected
0108	Major	Major **IMT** failure detected
0109	None	All **IMT** System level alarms cleared
0110	Minor	Failure detected on one **IMT** bus
0111	Major	Failure on both **IMT** A and **IMT** B
0112	Critical	Major failures detected on both **IMTs**
0120	Critical	ENUM SYSTEM is not available
0121	None	ENUM SYSTEM is available
0122	Major	ENUM SYSTEM normal, card(s) abnormal
0123	None	ENUM SYSTEM is removed
0142	None	System release alarm cleared
0143	Minor	System release **GPL**(s) not approved
0144	Minor	System release version unknown
0276	Major	Insufficient memory for **IP7** provisioning
0277	Major	**AS** Unavailable
0278	None	**AS** Available

Table B-15 (Cont.) System Maintenance Unsolicited Output Message Groups

UAM/UIM Number	Alarm Level	Message Text
0279	Minor	**AS Restricted**
0280	None	**AS** Unrestricted
0294	None	**REPT-ALMINH**: alarm output **PERM** inhibit
0295	None	**REPT-ALMINH**: alarm output enabled
0296	None	**REPT-ALMINH**: alarm output **TEMP** inhibit
0302	Minor	Cooling fan failure
0303	None	Cooling fan normal
0308	Critical	Node isolated due to **SLK** failures
0309	None	Node is no longer isolated
0366	None	Temp **Key**(s) expiration alarm cleared
0367	Major	Temp Keys(s) expiring soon
0368	Critical	Temp Keys(s) have expired
0388	None	Illegal Address Error Cleared
0389	None	**Card** responding normally
0390	Major	Illegal Address Error
0391	Major	**Card** not responding Error
0392	Major	**OA**&M **IP** Security feature is OFF
0393	None	**OA**&M **IP** Security feature is ON
0438	Critical	Degraded Mode, Invalid **OAM HW** config
0439	None	Exiting Degraded Mode
0466	Major	**STC** Network Unavailable
0467	None	**STC** Network Available
0483	Critical	DEIR System is not available
0484	Major	DEIR System normal, card(s) abnormal
0485	None	DIER System is available
0496	None	DEIR System is removed
0500	None	**Alarm** for this entitiy is being cleared
0514	Major	Standby **MASP** is inhibited
0515	None	Standby **MASP** is allowed

Table B-15 (Cont.) System Maintenance Unsolicited Output Message Groups

UAM/UIM Number	Alarm Level	Message Text
0520	Critical	Frame power usage reached **LVL3**
0521	Major	Frame power usage reached **LVL2**
0522	Minor	Frame power usage reached **LVL1**
0523	None	Frame power usage normal
0524	None	**REPT-ALMINH**: alarm output **TIMED** inhibit
0525	None	Timed alm inh rdy to expire
0561	Critical	Can't establish Hi Bit rate;All HW OK
0562	None	High Bit rate established
0563	Major	IMT Bit rate mismatch detected
0564	None	IMT Bit rate mismatch cleared
0592	Critical	<subsystem> Subsystem is not available
0593	Critical	<subsystem> Subsystem is disabled
0594	Minor	<subsystem> Subsystem normal, card(s) abnormal
0595	None	<subsystem> Subsystem is available
0596	None	<subsystem> Subsystem is removed
0619	Critical	SIP SYSTEM is not available
0620	None	SIP SYSTEM is available
0627	Critical	SFLOG SYSTEM is not available
0628	None	SFLOG SYSTEM is available
0629	None	SFLOG SYSTEM is removed
0911	Major	Dynamic database is inconsistent
0912	None	Dynamic database is now consistent
1000	None	**MTP** rcvd **UPU** - user part is not **SCCP**
1001	None	**MTP** rcvd Transfer Controlled (**TFC**)
1002	None	**MTP** rcvd invalid **TFC** - status 0
1003	None	**MTP** rcvd invalid H0/H1 code
1004	None	**MTP** rcvd unknown **DPC**
1059	None	Telnet terminal connection disconnected
1098	None	Unexpected disk access timeout

Table B-15 (Cont.) System Maintenance Unsolicited Output Message Groups

UAM/UIM Number	Alarm Level	Message Text
1101	None	SDRAM single bit error report
1105	None	**REPTEVT**:**IMTGPL** reloading
1106	None	**REPTCOND**:**IMTGPL** reloading
1118	None	TOD change affects MEAS collection
1120	None	**TRBL** Queue is full: elements overwritten
1129	None	Ported subs **SMSC** matches Home **SMSC** Addr
1130	None	**LOCREQ** rcvd - **IS412GSM** not provisioned
1131	None	Invalid digits in **IS41MAP** Digits parm
1156	None	Minor congestion event detected
1157	None	Major congestion event detected
1187	None	GPL Table Checksum Mismatch
1188	None	DB Subset Checksum Mismatch
1194	None	IP connection Refused, RHOST mismatch
1196	None	**IP** Connection Congestion Timeout
1197	None	**IP** Connection refused
1198	None	**IP** Connection, Cannot resolve **RHOST**
1200	None	**INWALT** card as first to be preloaded
1201	None	**INWMAIN** card as last to be reset
1202	None	**INW** Asserted **DDL** inhibition
1203	None	**INWCard** reset command issued
1204	None	**INW** Waiting for card loading validation
1205	None	**INW** Detected card loaded
1206	None	**INW** Detected card reset or removed
1207	None	**INW** Allowed card to skip **DDL** inhibited
1208	None	**INW** Removed **DDL** inhibition
1209	None	**INWCard** must be reset/removed/inhibited
1210	None	**INWCard** failed to reset
1211	None	**INW** Failed to assert **DDL** inhibition
1212	None	**INW** Failed to remove **DDL** inhibition

Table B-15 (Cont.) System Maintenance Unsolicited Output Message Groups

UAM/UIM Number	Alarm Level	Message Text
1213	None	**INWCard** failed to **DDL** crossload
1214	None	**INW** Allowed card to **DDL** crossload
1235	None	Unable to connect Primary SFLOG Server
1236	None	Unable to connect both SFLOG Servers
1237	None	Dynamic database audit not current
1239	None	Ntwrk Card Reload Failed during Upg
1308	None	Updates inhibited: Target-Cell **CRC** Fail
1309	None	Updates inhibited: Source-Cell **CRC** Fail
1320	None	**FPT** value unprovisioned for frame
1321	None	EAGLE **RTDB** Birthdate Mismatch
1322	None	EAGLE **RTDB** Levels Invalid
1323	None	EAGLE/ELAP **TN** Quantity Mismatch
1324	None	EAGLE/ELAP **NPANXX** Quantity Mismatch
1325	None	EAGLE/ELAP **LNRN** Quantity Mismatch
1326	None	EAGLE **RTDB** Depth Alert
1330	None	Mismatched **UA** Routing Context
1331	None	**IPRoute** Table Entry Conflict
1333	None	**UA RCVD MSG DISCARDED**
1334	None	**UA TX MSG DISCARDED**
1335	None	Table Information
1336	None	**UA ERROR MSG RECEIVED**
1337	None	**UA HEARTBEAT TIMEOUT**
1338	None	**SCCP** did not route - no **PC** in **CgPA**
1339	None	**SCCP** did not route - no dflt Clg **PC** Set
1340	None	**REPTCOND**: **TRBL** resynch required
1349	None	**MSU** invalid size – discarded
1356	None	EXT BERT terminated with OAM switchover
1369	None	ISUP IAM decode failed
1370	None	ISUP IAM Cld Pty decode failed

Table B-15 (Cont.) System Maintenance Unsolicited Output Message Groups

UAM/UIM Number	Alarm Level	Message Text
1371	None	ISUP encode Failed
1377	None	SSH session disconnected - server busyl
1424	None	IMT A [B] requested to re-align at LOW [HIGH] Rate
1437	None	IMT [A | B]: Rate change not initiated
1490	None	Telnet terminal connection successful
1491	None	Terminal enabled
1492	None	Terminal disabled
1170	None	OAMHC Meas transition complete
1171	None	Schd UI Rpt disbld-link cnt exceeds 700

UIM Redirect Unsolicited Output Message Group

Table B-16 UIM Redirect Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
1043	None	**SCCP** did not route - bad translation
1046	None	**SCCP** did not route - **DPC** not in **MAP** tbl

The **UIM** Redirect output message group is used only if the **UIMRD** field in rtrv-stpopts is set to yes. Otherwise, this message is output in the GTT Unsolicited Output Message Group (see GTT Unsolicited Output Message Group).

C

Auto-Inhibit Hardware Verification Codes

This appendix provides a list of the auto-inhibit hardware verification codes used in the card device format.

Hardware Verification Codes in UAMs

The following table contains a list of the hardware verification codes that appear in certain UAMs, and shows the card or application that it applies to, a description of the code, and the UAM code with which it is associated.

Table C-1 Auto-Inhibit Hardware Verification Codes

HW Verification Code	Card or Application Code	Description	Associated UAM Code
058	SS7IPGW, IPGWI, IPLIM, IPLIMI	E5-ENET or E5-ENET-B does not support > 16 associations (IPLIMx). E5-ENET or E5-ENET-B does not support > 50 associations (IPGWx).	422
059	VSCCP	MPS database has been detected to exceed capacity of Service Module extended memory (only for GPORT, GFLEX, INP, EIR features). UAMs 281, 283, and 285 are used for LNP and LNP ELAP Configuration features.	422
090	Various	Flash image on the card is incompatible with the current release of the EAGLE	570
099	E5-TSM	E5-TSM card equipped has one or more daughterboard.	99
101	SS7IPGW, IPGWI, IPLIM, IPLIMI	E5-ENET only supports SLK link A-7 and B-7.	276

Table C-1 (Cont.) Auto-Inhibit Hardware Verification Codes

HW Verification Code	Card or Application Code	Description	Associated UAM Code
102*	SS7IPGW, IPGWI	Non-DCM detected in slot.	99
103	SS7IPGW, IPGWI, IPLIM, IPLIMI	E5-ENET or E5-ENET-B does not support >16 associations (IPLIMx). E5-ENET or E5-ENET-B does not support >50 associations (IPGWx).	276
104	SS7IPGW, IPGWI, IPLIM, IPLIMI	E5-ENET or E5-ENET-B does not support >0 sockets (IPLIMx). E5-ENET or E5-ENET-B does not support >0 sockets (IPGWx).	276
105	SS7IPGW, IPGWI, IPLIM, IPLIMI	E5-ENET or E5-ENET-B does not support > 0 (sockets + associations) (IPLIMx). E5-ENET or E5-ENET-B does not support > 50 (sockets + associations) (IPGWx).	276
106	SS7IPGW, IPGWI, IPLIM, IPLIMI	E5-ENET or E5-ENET-B does not support >3200Kb SCTP buffers (IPLIMx). E5-ENET or E5-ENET-B does not support >3200Kb SCTP buffers (IPGWx).	276
124	HC-MIM	Card is not an HC-MIM and is provisioned as a T1 card.	99
129	HC-MIM, E5-E1T1	Card does not support CAS framing.	297
132	IPLIM, IPLIMI, HC-MIM, E5-E1T1	The actual card in the slot must be a HC-MIM, high capacity MIM or LIME1 if card is provisioned as a LIME1 card.	99

Table C-1 (Cont.) Auto-Inhibit Hardware Verification Codes

HW Verification Code	Card or Application Code	Description	Associated UAM Code
133	HC-MIM, E5-E1T1	The actual card in the slot must be a high capacity MIM card (either HC-MIM or E5-E1T1) if provisioned with any un-channelized T1 ports.	99
134	E5-E1T1	E5-E1T1 card with SLK provisioned on link greater than 15.	99
135	E5-E1T1	E5-E1T1 card supports only 1 SE-HSL link.	276
136	E5-ATM, E5-ATM-B	E5-ATM card port B is provisioned	297
140	MCPHC	MCP card not running with D2G memory	422
141	IPS	E5-IPSM card not running with D2G memory.	422
142	MCP	E5-MCPM-B card not running with D4G memory.	422
150	various	Card is obsolete.	47
165	VSCCP	Hardware configuration does not support configured feature set.	99
170	EROUTE	Non-E5-ENET/E5-ENET-B card detected in slot provisioned for eroute with card type STC.	99
171	STPLAN	Non-E5-ENET/E5-ENET-B card detected in slot provisioned for STPLAN with card type DCM.	99

Table C-1 (Cont.) Auto-Inhibit Hardware Verification Codes

HW Verification Code	Card or Application Code	Description	Associated UAM Code
172	E5-ENET-B card with IPSG	An EPM-A based card has been detected ina lot provisioned for EPM-B based card, so the card will be auto-inhibited and issue a degraded mode alarm. To permit an E5-ENET to be allowed in a card slot provisioned for E5-ENET-B and to clear the alarm, a chg-card command will be required to change the card type from enetb to enet, or the E5-ENET card will need to be removed from the slot. Non-SLIC card detected in slot provisioned for IPSG and card type is SLIC with `data=gtt`.	99
174	IPSG	SLIC hardware detected having 32-bit flash GPL (BLSLC32) in a slot provisioned for IPSG and card type is SLIC with `data=gtt`.	99

Table C-1 (Cont.) Auto-Inhibit Hardware Verification Codes

HW Verification Code	Card or Application Code	Description	Associated UAM Code
179	E5-ATM-B, E5-ENET-B, E5-E1T1-B	EPM-B based card detected and MFC is OFF. MFC option needs to be set to ON in STPOPTS before allowing the EPM-B based card. Note that the ON/OFF format is being used. For example, at least one MFC option needs to be set to ON in STPOPTS before allowing an E5-ENET-B card. The various option values that support MFC are STPOPTS:ON={mtplti, mtprsi, mtplprst, uimrd, critalminh, dispactalms, rptlnpmrss, rstrdev, cnvcgda, cnvcgdi, cnvcgdn, cnvcgdn24, gtcnvdflt, ansigflex, archbldid, mfc, cnvcgdn16}. **Note:** This code is specific to cards that do not support TVG.	99
180	SCCP, SS7ANSI DEIR, ENUM, SIP	SCCP card equipped with DCM with MOBR on. If ports C and D are configured, the card location must be populated with SLIC cards only.	441 441

Table C-1 (Cont.) Auto-Inhibit Hardware Verification Codes

HW Verification Code	Card or Application Code	Description	Associated UAM Code
180	IPLIM, SCCP, SS7ANSI	IPLIM card equipped with double slot DCM with MOBR on -or- SCCP card equipped with TSM with MOBR on -or- SS7ANSI card equipped with one of the following with MOBR on: LIMDS0 / LIMV35 / LIMOCU / LIMAINF / ILA / EILA / LIME1	441

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