Tekelec EAGLE® 5 Integrated Signaling System

Unsolicited Alarm and Information Messages

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RoHS 5/6 - As of July 1, 2006, all products that comprise new installations shipped to European Union member countries will comply with the EU Directive 2002/95/EC "RoHS" (Restriction of Hazardous Substances). The exemption for lead-based solder described in the Annex will be exercised. RoHS 5/6 compliant components will have unique part numbers as reflected in the associated hardware and installation manuals.

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Patents

This product is covered by one or more of the following U.S. and foreign patents:
U.S. Patent Numbers:
5,732,213; 5,953,404; 6,115,746; 6,167,129; 6,324,183; 6,327,350; 6,456,845; 6,606,379; 6,639,981; 6,647,113; 6,662,017; 6,735,441; 6,745,041; 6,765,990; 6,795,546; 6,819,932; 6,836,477; 6,839,423; 6,885,872; 6,901,262; 6,914,973; 6,940,866; 6,944,184; 6,954,526;6,954,794; 6,959,076; 6,965,592; 6,967,956; 6,968,048; 6,970,542; 6,987,781; 6,987,849; 6,990,089; 6,990,347; 6,993,038; 7,002,988; 7,020,707; 7,031,340; 7,035,239; 7,035,387; 7,043,000; 7,043,001; 7,043,002; 7,046,667; 7,050,456; 7,050,562; 7,054,422; 7,068,773; 7,072,678; 7,075,331; 7,079,524; 7,088,728; 7,092,505; 7,108,468; 7,110,780; 7,113,581; 7,113,781; 7,117,411; 7,123,710; 7,127,057; 7,133,420; 7,136,477; 7,139,388; 7,145,875; 7,146,181; 7,155,206; 7,155,243; 7,155,505; 7,155,512; 7,181,194; 7,190,702; 7,190,772; 7,190,959; 7,197,036; 7,206,394; 7,215,748; 7,219,264; 7,222,192; 7,227,927; 7,231,024; 7,242,695; 7,254,391; 7,260,086; 7,260,207; 7,283,969; 7,286,516; 7,286,647; 7,286,839; 7,295,579; 7,299,050; 7,301,910; 7,304,957; 7,318,091; 7,319,857; 7,327,670
Foreign Patent Numbers:
EP1062792; EP1308054; EP1247378; EP1303994; EP1252788; EP1161819; EP1177660; EP1169829; EP1135905; EP1364520; EP1192758; EP1240772; EP1173969; CA2352246

Ordering Information

Your Tekelec Sales Representative can provide you with information about how to order additional discs.

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Chapter 1

Introduction

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Overview

The *Unsolicited Alarm and Information Messges* manual describes the EAGLE 5 ISS system unsolicited alarm and information 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 5 ISS supporting ANSI networks make use of the LNP and SEAS features. EAGLE 5 ISS supporting ITU networks do not include these systems.

The manual is organized as follows:

- *Introduction* on page 1 provides general information about the organization of this manual.
- *Message Type* on page 9 describes the different alarms and message types used in the EAGLE 5 ISS.
- *UAM/UIM Troubleshooting* on page 53 provides procedures to use in response to all output messages displayed by the EAGLE 5 ISS.
- *UAM Balancing Matrix* on page 589i provides information on the different alarns and clearing messages.
- *Unsolicited Output Message Groups* on page 629 provides information ;
- In addition, these appendices of this manual provide useful reference material for maintenance, diagnostic, and troubleshooting activities.
  - *UAM Balancing Matrix* on page 589
  - *Unsolicited Output Message Groups* on page 629
  - *Auto-Inhibit Hardware Verification Codes* on page 675
- Glossary that provides a list of acronyms and abbreviations

Scope and Audience

This manual is intended for maintenance personnel who must maintain the EAGLE 5 ISS. The technician should be familiar with SS7 protocols.

Related Publications

For information about additional publications that are related to this document, refer to the *Related Publications* document. The *Related Publications* document is published as a part of the *Release Documentation* and is also published as a separate document on the Tekelec Customer Support Site.

Documentation Availability, Packaging, and Updates

Tekelec provides documentation with each system and in accordance with contractual agreements. For General Availability (GA) releases, Tekelec publishes a complete EAGLE 5 ISS documentation set. For Limited Availability (LA) releases, Tekelec may publish a documentation subset tailored to specific feature content or hardware requirements. Documentation Bulletins announce a new or updated release.

The Tekelec EAGLE 5 ISS documentation set is released on an optical disc. This format allows for easy searches through all parts of the documentation set.

The electronic file of each manual is also available from the Tekelec Customer Support site (*support.tekelec.com*). This site allows for 24-hour access to the most up-to-date documentation, including the latest versions of Feature Notices.

Printed documentation is available for GA releases on request only and with a lead time of six weeks. The printed documentation set includes pocket guides for commands and alarms. Pocket guides may also be ordered separately. Exceptions to printed documentation are:

- Hardware or Installation manuals are printed without the linked attachments found in the electronic version of the manuals.
- The Release Notice is available only on the Customer Support site.

Note:

Customers may print a reasonable number of each manual for their own use.

Documentation is updated when significant changes are made that affect system operation. Updates resulting from Severity 1 and 2 PRs are made to existing manuals. Other changes are included in the documentation for the next scheduled release. Updates are made by re-issuing an electronic file to the customer support site. Customers with printed documentation should contact their Sales Representative for an addendum. Occasionally, changes are communicated first with a Documentation Bulletin to provide customers with an advanced notice of the issue until officially released in the documentation. Documentation Bulletins are posted on the Customer Support site and can be viewed per product and release.

Locate Product Documentation on the Customer Support Site

Access to Tekelec's Customer Support site is restricted to current Tekelec customers only. This section describes how to log into the Tekelec Customer Support site and locate a document. Viewing the document requires Adobe Acrobat Reader, which can be downloaded at www.adobe.com.

1. Log into the Tekelec **new** Customer Support site at *support.tekelec.com*.

   Note: If you have not registered for this new site, click the **Register Here** link. Have your customer number available. The response time for registration requests is 24 to 48 hours.

2. Click the **Product Support** tab.
3. Use the Search field to locate a document by its part number, release number, document name, or document type. The Search field accepts both full and partial entries.

4. Click a subject folder to browse through a list of related files.
5. To download a file to your location, right-click the file name and select **Save Target As**.

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: Admonishments

	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*.)

Customer Care Center

The Tekelec Customer Care Center is your initial point of contact for all product support needs. A representative takes your call or email, creates a Customer Service Request (CSR) and directs your requests to the Tekelec Technical Assistance Center (TAC). Each CSR includes an individual tracking number. Together with TAC Engineers, the representative will help you resolve your request.

The Customer Care Center is available 24 hours a day, 7 days a week, 365 days a year, and is linked to TAC Engineers around the globe.

Tekelec TAC Engineers are available to provide solutions to your technical questions and issues 7 days a week, 24 hours a day. After a CSR is issued, the TAC Engineer determines the classification of the trouble. If a critical problem exists, emergency procedures are initiated. If the problem is not critical, normal support procedures apply. A primary Technical Engineer is assigned to work on the CSR and provide a solution to the problem. The CSR is closed when the problem is resolved.

Tekelec Technical Assistance Centers are located around the globe in the following locations:

Tekelec - Global

Email (All Regions): support@tekelec.com

- **USA and Canada**

  Phone:

  1-888-FOR-TKLC or 1-888-367-8552 (toll-free, within continental USA and Canada)

  1-919-460-2150 (outside continental USA and Canada)

  TAC Regional Support Office Hours:

  8:00 a.m. through 5:00 p.m. (GMT minus 5 hours), Monday through Friday, excluding holidays

- **Central and Latin America (CALA)**

  Phone:

  USA access code +1-800-658-5454, then 1-888-FOR-TKLC or 1-888-367-8552 (toll-free)

  TAC Regional Support Office Hours (except Brazil):

  10:00 a.m. through 7:00 p.m. (GMT minus 6 hours), Monday through Friday, excluding holidays

  - **Argentina**

    Phone:

    0-800-555-5246 (toll-free)

  - **Brazil**

    Phone:

    0-800-891-4341 (toll-free)

    TAC Regional Support Office Hours:

    8:30 a.m. through 6:30 p.m. (GMT minus 3 hours), Monday through Friday, excluding holidays

  - **Chile**

    Phone:

    1230-020-555-5468

  - **Columbia**

    Phone:

    01-800-912-0537

  - **Dominican Republic**

    Phone:

    1-888-367-8552

  - **Mexico**

    Phone:

    001-888-367-8552

  - **Peru**

    Phone:

    0800-53-087

- **Puerto Rico**

  Phone:

  1-888-367-8552 (1-888-FOR-TKLC)

- **Venezuela**

  Phone:

  0800-176-6497

- **Europe, Middle East, and Africa**
  - **Signaling**

    Phone:

    +44 1784 467 804 (within UK)

    TAC Regional Support Office Hours:

    8:00 a.m. through 7:00 p.m. (GMT), Monday through Friday, excluding holidays
  - **Software Solutions**

    Phone:

    +33 3 89 33 54 00

    TAC Regional Support Office Hours:

    8:00 a.m. through 7:00 p.m. (GMT), Monday through Friday, excluding holidays

- **Asia**
  - **India**

    Phone:

    +91 124 436 8552 or +91 124 436 8553

    TAC Regional Support Office Hours:

    10:00 a.m. through 7:00 p.m. (GMT plus 5 1/2 hours), Monday through Saturday, excluding holidays
  - **Singapore**

    Phone:

    +65 6796 2288

    TAC Regional Support Office Hours:

    9:00 a.m. through 6:00 p.m. (GMT plus 8 hours), Monday through Friday, excluding holidays

Problem Report (PR)

The assigned Technical Support engineer opens a problem report (PR) using problem criteria as defined in “TL-9000 Quality System Metrics (Book Two, Release 3.0” and the following sections.

Critical

Critical problems severely affect service, capacity/traffic, billing, and maintenance capabilities and requires immediate corrective action, regardless of time of day or day of the week, as viewed by a customer upon discussion with the supplier. For example:

- A loss of service that is comparable to the total loss of effective functional capacity of an entire switching or transport system.
- A reduction in capacity or traffic handling capacity such that expected loads cannot be handled.
- Any loss of safety or emergency capability (for example, 911 calls).

Major

Major problems cause conditions that seriously affect system operations, maintenance, and administration, etc., and require immediate attention as viewed by the customer upon discussion with the supplier. The urgency is less than in a critical situations because of a lesser immediate or impending effect on system performance, customer, and the customer's operation and review. For example:

- Reduction in any capacity/traffic measurement function
- Any loss of functional visibility and/or diagnostic capability
- Short outage equivalent to system or subsystem outages, with accumulated duration of greater than two minutes in any 24-hour period, or that continue to repeat during longer periods
- Repeated degradation of DS1 or higher rate spans or connections
- Prevention of access for routine administrative activity
- Degradation of access for maintenance or recovery operations
- Degradation of the system's ability to provide any required critical or major trouble notification
- Any significant increase in product related customer trouble reports
- Billing error rates that exceed specifications
- Corruption of system or billing databases

Minor

Other problems that a customer does not view as critical or major are considered minor. Minor problems do not significantly impair the functioning of the system and do not significantly affect service to customers. These problems are tolerable during system use.

Engineering complaints are classified as minor unless otherwise negotiated between the customer and supplier.

Emergency Response

In the event of a critical service situation, emergency response is offered by the Tekelec Customer Care Center 24 hours a day, 7 days a week. 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 an EAGLE 5 ISS that severely affects service, traffic, or maintenance capabilities, and requires immediate corrective action. Critical problems affect service and/or system operation resulting in:

- 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 the Tekelec Customer Care Center.

Chapter 2

Message Type

Topics:

- *System Alarm Levels Page 10*
- *Output Messages Page 10*
- *Unsolicited Alarm Messages (UAM) Page 11*
- *Unsolicited Information Messages (UIM) Page 34*

System Alarm Levels

There are three levels of alarms in the EAGLE 5 ISS 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.

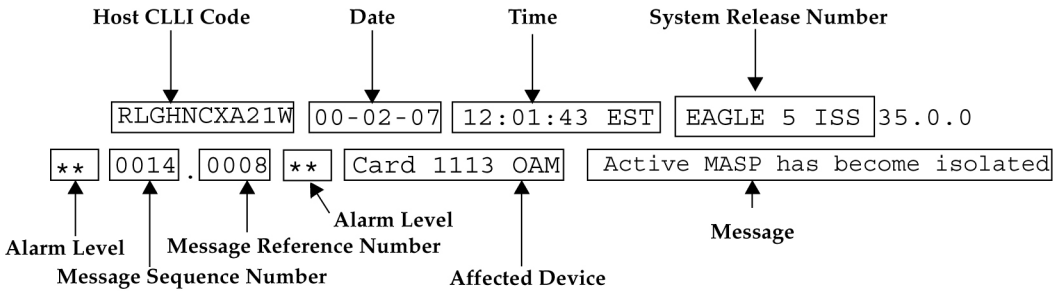
Output Messages

The EAGLE 5 ISS generates output messages in response to command input or fault conditions in the EAGLE 5 ISS 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 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** - year-month-day
- **Time** - 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.

Critical Alarm Messages

The Critical Alarm message reference numbers with coressponding trouble text are shown in the following table.

Table 2: Critical Alarm Messages

Message Reference Number and Trouble Text
0041 -LSMS bulk load required on page 78
0058 - Critical customer trouble detected on page 83
0063 - Critical holdover clock trbl detected on page 85
0077 - Card temperature is critical lvl:T2 on page 86
0092 - MDAL not responding on page 101
0112 - Major failures detected on both IMTs on page 113
0128 - All clocks have failed on page 115
0153 - STPLAN not available on page 126
0181 - NDC Subsystem is not available on page 140
0197 - All high speed clocks have failed on page 153
0261 - MPS unavailable on page 170
0287 - RTDB Table Level 2 FAK Cap Exceeded on page 179
0292 - GLS is not available on page 182
0308 - Node isolated due to SLK failures on page 189
0313 - DPC is prohibited on page 192
0319 - REPT-MTPLP-DET: Circ rte det(cong) on page 196
0320 - REPT-MTPLP-SUST: Sustained circ rt(cong) on page 197
0325 - DPC subsystem is blocked on page 199
0326 - DPC subsystem is prohibited on page 200
0331 - SCCP is not available on page 203

Message Reference Number and Trouble Text
0332 - DPC Subsystem is prohibited and blocked on page 204
0334 - DPC Subsystem is Abnormal on page 205
0349 - SEAS unavailable on page 217
0350 - OAP terminals inhibited on page 219
0356 - LSMS is unavailable on page 224
0368 - Temp Key(s) have expired on page 234
0370 - Critical Platform Failure(s) on page 235
0371 - Critical Application Failure(s) on page 235
0395 - INP Subsystem is not available on page 243
0396 - INP Subsystem is disabled on page 243
0424 - LNP Subsystem is not available on page 251
0435 - LNP Subsystem is disabled on page 260
0437 - System SCCP TPS Capacity Exceeded on page 261
0438 - Degraded Mode, Invalid OAM HW config on page 262
0442 - RTDB database capacity is 90% full on page 263
0453 - Exceeded Service Error Threshold Lvl 2 on page 274
0455 - EIR Subsystem is not available on page 276
0456 - EIR Subsystem is disabled on page 276
0468 - All STC Networks Unavailable on page 278
0469- All STC Cards Unavailable on page 279
0518 - Measurements subsystem unavailable on page 285

Message Reference Number and Trouble Text
0520 - Frame power usage reached LVL3 on page 286
0528 - Service is not available on page 289
0529 - Service is disabled on page 289
0534 - RTX is prohibited on page 291
0541 - MSU cksum error threshold exceeded on page 298
0551 - V-Flex Subsystem is not available on page 304
0552 - V-Flex Subsystem is disabled on page 304
0565 - ATINPQ Subsystem is not available on page 305
0566 - ATINPQ Subsystem is disabled on page 306

Major Alarm Messages

The Major Alarm message reference numbers with coressponding trouble text are shown in the following table.

Table 3: Major Alarm Messages

Message Reference Number and Trouble Text
0001 - Card has reset on page 54
0008 - Active MASP has become isolated on page 63
0011 - Entering forced simplex mode on page 64
0013 - Card is isolated from the system on page 66
0043 - Incorrect feature configuration on page 79
0047 - Card type not valid for application on page 80
0051 - TSC sync is in simplex mode on page 81

Message Reference Number and Trouble Text
0053 - Standby TDM failure on page 81
0059 - Major customer trouble detected on page 84
0064 - Major holdover clock trouble detected on page 85
0078 - Card temperature exceeds nominal lvl:T1 on page 90
0082 - Alarm in Fuse panel on page 94
0084 - IP Connection Unavailable on page 95
0088 - Clocks A and B TSCs are out of sync on page 100
0099 - Incompatible HW for provisioned slot on page 103
0108 - Major IMT failure detected on page 107
0111 - Failure on both IMT A and IMT B on page 112
0115 - Linkset IP TPS threshold exceeded on page 113
0132 - Loading failed: table not found on page 116
0133 - Loading failed: data read Error on page 116
0134 - Loading failed: bad checksum returned on page 117
0135 - Loading failed: GPL load timeout on page 117
0136 - Loading failed: data load timeout on page 118
0137 - Loading failed: invalid GPL on page 118
0138 - Loading failed: GPL format error on page 118
0139 - Loading failed: disk read prep error on page 119
0140 - Loading failed: disk read response error on page 119
0141 - Loading failed: disk read failed on page 119

Message Reference Number and Trouble Text
0152 - LIM(s) have been denied STPLAN service on page 126
0162 - 1116-P, 1116-S clocks failed on page 130
0164 - 1114-S, 1116-S clocks failed on page 131
0166 - 1114-S, 1116-P, 1116-S clocks failed on page 132
0169 - 1114-P, 1116-P clocks failed on page 134
0170 - 1114-P, 1116-P, 1116-S clocks failed on page 135
0171 - 1114-P, 1114-S clocks failed on page 135
0172 - 1114-P, 1114-S, 1116-S clocks failed on page 136
0173 - 1114-P, 1114-S, 1116-P clocks failed on page 137
0179 - NDC Q.3 association is unavailable on page 139
0185 - 1116-PHS, 1116-SHS clocks failed on page 143
0187 - 1114-SHS, 1116-SHS clocks failed on page 145
0189 - 1114-SHS, 1116-PHS,1116-SHS clocks failed on page 146
0192 - 1114-PHS, 1116-PHS clocks failed on page 149
0193 - 1114-PHS, 1116-PHS,1116-SHS clks failed on page 150
0194 - 1114-PHS, 1114-SHS clocks failed on page 150
0195 - 1114-PHS, 1114-SHS,1116-SHS clks failed on page 151
0196 - 1114-PHS, 1114-SHS,1116-PHS clks failed on page 152
0201 - REPT-LKF: remote NE loopback on page 155
0202 - REPT-LKF: HWP - too many link interrupts on page 155
0203 - REPT-LKF: lost data on page 155

Message Reference Number and Trouble Text
0204 - REPT-LKF: XER - ERM threshold exceeded on page 156
0205 - REPT-LKF: APF - lvl-2 T1 expd (ready) on page 156
0206 - REPT-LKF: APF - lvl-2 T1 expd (not ready) on page 156
0207 - REPT-LKF: APF - lvl-2 T3 expired on page 157
0208 - REPT-LKF: APF - lvl-2 T2 expired on page 157
0209 - REPT-LKF: APF - failed proving period on page 157
0210 - REPT-LKF: OSA - received SIO on page 157
0211 - REPT-LKF: OSA - received SIN on page 158
0212 - REPT-LKF: OSA - received SIE on page 158
0213 - REPT-LKF: OSA - received SIOS on page 158
0214 - REPT-LKF: ABN - rcvd 2 of 3 invalid BSN on page 159
0215 - REPT-LKF: ABN - rcvd 2 of 3 invalid FIB on page 159
0216 - REPT-LKF: remote congestion timeout on page 159
0217 - REPT-LKF: XDA - excess acknowledge delay on page 160
0218 - REPT-LKF: COO - rcvd changeover order on page 160
0219 -REPT-LKF: false congestion restart on page 160
0220 - REPT-LKF: MTP link restart delayed on page 161
0221 - REPT-LKF: X25 link unavailable on page 161
0222 - REPT-LKF: remote FE loopback on page 162
0224 - REPT-LKF: link test failed on page 163
0230 - REPT-LKF: local blocked - thermal on page 163

Message Reference Number and Trouble Text
0232 - REPT-LKF: remote blocked on page 163
0233 - REPT-LINK-MANUAV: local blocked on page 164
0234 - REPT-LKF: RMI remote inhibited on page 164
0235 - REPT-LINK-MGTINH: local inhibited on page 164
0236 - REPT-LKF: not aligned on page 165
0237 - REPT-LFK: LM Timer NO-CREDIT expired on page 166
0238 - REPT-LKF: XDA-Timer NO-RESPONSE expired on page 166
0239 - REPT-LKF: MBL-local processor outage on page 166
0240 - REPT-LKF: rcvd SSCOP END-proc outage on page 167
0241 - REPT-LKF: rcvd SSCOP END-out of service on page 167
0242 - REPT-LKF: rcvd SSCOP END-protocol error on page 167
0243 - REPT-LKF:rcvd SSCOP END-mgmnt initiated on page 168
0244 - REPT-LKF: FAC - DS1 LOS failure on page 168
0245 - REPT-LKF: FAC - DS1 LOF failure on page 168
0246 - REPT-LKF: FAC - DS1 LCD failure on page 169
0247 - REPT-LKF: XER - ISERM threshold exceeded on page 169
0276 - Insufficient HW for IP7 provisioning on page 176
0277 - AS Unavailable on page 176
0283 - LNP Ported LRNs approaching Feat. Capacity on page 178
0285 - LNP Ported NPAs approaching Feat. Capacity on page 179
0288 - RTDB Table Level 2 FAK Cap Exceeded on page 180

Message Reference Number and Trouble Text
0291 - GLS is at minimum service limit on page 181
0297 - Incorrect port configuration on page 184
0300 -TVG Grant Failure on page 185
0318 - REPT-LKSTO: Link set prohibited on page 195
0330 - System SCCP TPS Threshold exceeded on page 202
0336 - LIM(s) have been denied SCCP service on page 206
0338 - X-LIST space full-entry(s) discarded on page 207
0341 - OAP Unavailable on page 208
0342 - SEAS UAL unavailable on page 210
0343 - SEAS X.25 Link unavailable on page 211
0345 - All SEAS UAL sessions unavailable on page 213
0348 - SEAS is at min service limit on page 215
0354 - One OAP terminal unavailable on page 222
0358 - LSMS Q.3 association unavailable on page 226
0360 - EMS Agent unavailable on page 228
0362 - LSMS is at min. service limit on page 229
0367 - Temp Key(s) expiring soon on page 233
0369- REPT-T1F:FAC-T1 unavailable on page 234
0372 - Major Platform Failure(s) on page 236
0373 - Major Application Failure(s) on page 236
0376- REPT-T1F:FAC-T1 LOS failure on page 237

Message Reference Number and Trouble Text
0377- REPT-T1F:FAC-T1 LOF failure on page 237
0378- REPT-T1F:FAC-T1 Remote Alarm on page 238
0379- REPT-T1F:FAC-T1 Alarm on page 238
0381- REPT-E1F:FAC-E1 LOS failure on page 238
0382- REPT-E1F:FAC-E1 LOF failure on page 239
0383- REPT-E1F:FAC-E1 AIS detected on page 239
0384- REPT-E1F:FAC-E1 Far End Failure on page 239
0385- REPT-E1F:FAC-E1 10E-3 BER failed on page 239
0387- REPT-E1F:FAC-E1 unavailable on page 240
0390 - Illegal Address Error on page 241
0391 - Card not responding Error on page 241
0392 - OA&M IP Security feature is OFF on page 242
0403 - 1114 E1/T1 clock requires TDM-GTI on page 246
0404 - 1116 E1/T1 clock requires TDM-GTI on page 246
0405 - 1114, 1116 E1/T1 clock requires TDM-GTI on page 247
0406 - 1114 Clock selection mismatch on page 247
0407 - 1116 Clock selection mismatch on page 248
0408 - 1114, 1116 Clock selection mismatch on page 249
0422 - Insufficient extended memory on page 250
0436 - LNP ACG node overload on page 260
0441 - Incorrect MBD - CPU on page 262

Message Reference Number and Trouble Text
0449 - RTDB resynchronization in progress on page 273
0451 - RTDB reload required on page 273
0452 - Exceeded Service Error Threshold Lvl 1 on page 274
0466- STC Network Unavailable on page 278
0473 - EROUTE System Capacity Exceeded on page 280
0482 - Card(s) have been denied EROUTE service on page 283
0514 - Standby MASP inhibited on page 283
0517 - Degraded Mode - multiple cards failed on page 285
0521 - Frame power usage reached LVL2 on page 286
0537 - Ethernet error threshold exceeded on page 293
0539 - Ethernet Interface Down on page 298
0901 - Card DB load timeout, check GLS card on page 308
0903 - IP Link A is down on page 309
0905 - IP Link B is down on page 310
0908 - HW cannot support purchased TPS rate on page 312
0911 - Dynamic database is inconsistent on page 312

Minor Alarm Messages

The Minor Alarm message reference numbers and associated trouble text are shown in the following table.

Table 4: Minor Alarm Messages

Message Reference Number and Trouble Text
0002 - Card is not running approved GPL on page 55
0004 - Card is running non-activated GPL on page 62
0021 - Clock A for card failed, B normal on page 67
0022 - Clock B for card failed, A normal on page 68
0023 - Clocks A and B for card failed on page 69
0034 - Card database is inconsistent on page 71
0035 - Card database is corrupted on page 74
0037 - Card backup database is inconsistent on page 76
0038 - Card backup database is corrupted on page 77
0040 - GPL is corrupted on page 78
0044 - Real time clock battery low on page 79
0048 - Terminal failed on page 80
0055 - Persistent device state tbl corrupt on page 82
0056 - Persistent device state tbl diff version on page 83
0060 - Minor customer trouble detected on page 84
0065 - Minor holdover clock trouble detected on page 86
0086 - IP Connection Congested on page 99
0102 - Motherboard BIP invalid on page 103
0107 - Minor IMT failure detected on page 104
0110 - Failure detected on one IMT bus on page 110

Message Reference Number and Trouble Text
0116 - Link expected IP TPS threshold exceeded on page 114
0143 - System release GPL(s) not approved on page 120
0144 - System release version unknown on page 120
0145 - HS Clock A for card failed, B normal on page 121
0146 - HS Clock B for card failed, A normal on page 122
0147 - High Speed Clocks A and B for card failed on page 123
0155 - STPLAN connection unavailable on page 127
0155 - STPLAN connection unavailable on page 127
0158 - X25 no logical channels available on page 128
0160 - 1116-S clock failed on page 129
0161 - 1116-P clock failed on page 129
0163 - 1114-S clock failed on page 130
0165 - 1114-S, 1116-P clocks failed on page 132
0167 - 1114-P clock failed on page 133
0168 - 1114-P, 1116-S clocks failed on page 133
0174 - %full threshold reached -upload required on page 137
0175 - LOGBUFROVFL-SECULOG - upload required on page 138
0176 - Stdby security log - upload required on page 138
0183 - 1116-SHS clock failed on page 142
0184 - 1116-PHS clock failed on page 142
0186 - 1114-SHS clock failed on page 144

Message Reference Number and Trouble Text
0188 - 1114-SHS, 1116-PHS clocks failed on page 145
0190 - 1114-PHS clock failed on page 147
0191 - 1114-PHS, 1116-SHS clocks failed on page 148
0279 - AS Restricted on page 177
0298 - Card not using config. SCTP csum method on page 185
0302 - Cooling fan failure on page 187
0304 - REPT-NMTSK-DSCD: SNM Discard Onset on page 188
0306 - SNM Overload Onset on page 189
0312 - DPC is restricted on page 191
0321 - X-LIST occupancy threshold exceeded on page 198
0344 - SEAS PVC unavailable on page 212
0346 - SEAS UAL session unavailable on page 214
0363 - OAP filesystem full on page 230
0364 - Configuration data checksum mismatch on page 230
0374 - Minor Platform Failure(s) on page 236
0375 - Minor Application Failure(s) on page 237
0398 - INP Subsystem normal,card(s) abnormal on page 244
0427 - LNP database corrupted on page 252
0428 - Backup LNP database corrupted on page 254
0429 - LNP database is inconsistent on page 255
0430 - Backup LNP database is inconsistent on page 257

Message Reference Number and Trouble Text
0443 -RTDB database corrupted on page 266
0444 - RTDB database is inconsistent on page 267
0446 - RTDB database capacity is 80% full on page 268
0448 - RTDB database incoherent on page 272
0457 - EIR Subsystem normal,card(s) abnormal on page 277
0472 - EROUTE System Threshold Exceeded on page 280
0475 - NTP Time Unavailable on page 281
0477 - Congestion: Copy Function De-activated on page 281
0480 - Timestamp Invalid on page 282
0516 - Degraded Mode - 1 card failed on page 284
0522 - Frame power usage reached LVL1 on page 287
0527 - Service abnormal on page 288
0531 - Insufficient HW Copy Function Inhibited on page 290
0533 - RTX is restricted on page 291
0535 - IP Connection Restricted on page 292
0536 - IP Connection Excess Retransmits on page 292
0547 - Daughterboard BIP inaccessible on page 303
0553 - VFLX Subsystem normal, card(s) abnormal on page 304
0567 - ATINPQ Subsystem normal,card(s) abnorml on page 306
0571 - Sentinel socket is inactive on page 307

Information Alarm Messages

The Informational Alarm message reference numbers and associated trouble text are shown in the following table.

Table 5: Information Alarm Messages

Message Reference Number and Associated Text
0003 - Alarm cleared for GPL on page 62
0005 - Alarm cleared running non-activated GPL on page 62
0009 - MASP became active on page 63
0010 - MASP became standby on page 64
0014 - Card is present on page 67
0018 - Exiting forced simplex mode on page 67
0024 - Clock A for card normal on page 70
0025 - Clock B for card normal on page 70
0026 - Clocks A and B for card normal on page 71
0033 - Card database has been corrected on page 71
0036 - Card backup database has been corrected on page 76
0039 - GPL has been corrected on page 77
0042 - LSMS bulk load complete on page 78
0045 - Real time clock battery restored on page 79
0046 - Terminal enabled on page 80
0052 - TSC sync feature is available on page 81
0054 - Standby TDM failure cleared on page 82
0057 - Persistent device state tbl corrected on page 83

Message Reference Number and Associated Text
0061 - Customer trouble detected on page 84
0062 - Customer trouble cleared on page 85
0066 - Holdover clock trouble cleared on page 86
0079 - Card temperature again at nominal levels on page 94
0083 - Fuse Panel alarm has cleared on page 95
0085 - IP connection available on page 99
0087 - IP Connection manually removed on page 100
0089 - Clocks A and B TSCs are resynchronized on page 101
0093 - MDAL alarm cleared on page 101
0096 - Card has been reloaded on page 102
0097 - IMT allowed on page 102
0098 - IMT inhibited on page 102
0103 - Motherboard BIP valid on page 104
0106 - IMT Bus alarm cleared on page 104
0109 - All IMT System level alarms cleared on page 110
0113 - Clock alarm(s) cleared on page 113
0118 - Linkset IP TPS normal on page 115
0119 - Link IP TPS normal on page 115
0130 - Card successfully loaded with data on page 116
0142 - System release alarm cleared on page 120
0148 - High Speed Clock A for card normal on page 124

Message Reference Number and Associated Text
0149 - High Speed Clock B for card normal on page 124
0150 - STPLAN is available on page 125
0151 - STPLAN capacity normal,card(s) abnormal on page 125
0154 - STPLAN is removed on page 127
0156 - STPLAN connection available on page 128
0157 - X25 logical channels available on page 128
0159 - High Speed Clocks A and B for card normal on page 129
0177 - Security log exception cleared on page 139
0178 - Security log failed on page 139
0180 - NDC Q.3 association is available on page 140
0182 - NDC Subsystem is available on page 141
0198 - High speed clock alarm(s) cleared on page 154
0199 - OA&M IP Security feature disabled on page 154
0200 - RCVRY-LKF: link available on page 154
0223 - REPT-LKF: remote NE loopback cleared on page 162
0250 - MPS available on page 169
0264 - REPT-LINK-CGST: congestion level 0 to 1 on page 170
0265 - REPT-LINK-CGST: congestion level 1 to 2 on page 171
0266 - REPT-LINK-CGST: congestion level 2 to 3 on page 171
0267 - RCVRY-LINK-CGST:congestion level 3 to 2 on page 172
0268 - RCVRY-LINK-CGST:congestion level 2 to 1 on page 172

Message Reference Number and Associated Text
0269 - RCVRY-LINK-CGST: congestion has cleared on page 173
0270 - REPT-LINK-CGST: discard level 0 to 1 on page 173
0271 - REPT-LINK-CGST: discard level 1 to 2 on page 173
0272 - REPT-LINK-CGST: discard level 2 to 3 on page 174
0273 - RCVRY-LINK-CGST: discard level 3 to 2 on page 174
0274 - RCVRY-LINK-CGST: discard level 2 to 1 on page 175
0275 - RCVRY-LINK-CGST: discard has cleared on page 175
0278- AS Available on page 177
0280 - AS Unrestricted on page 178
0284 - LNP Ported LRNs Capacity Normal on page 178
0286 - LNP Ported NPAs Capacity Normal on page 179
0289 - RTDB Table FAK Capacity Normal on page 180
0290 - GLS is available on page 180
0293 - GLS have been removed from the system on page 183
0294 - REPT-ALMINH: alarm output PERM inhibited on page 183
0295 - REPT-ALMINH: alarm output enabled on page 183
0296 - REPT-ALMINH: alarm output TEMP inhibited on page 184
0299 - Config. SCTP csum method alarm cleared on page 185
0301 -TVG Grant Recovery on page 187
0303 - Cooling fan normal on page 188
0305 - RECVY-NMTSK-DSCD: SNM Discard Abated on page 189

Message Reference Number and Associated Text
0307 - SNM Overload Abated on page 189
0309 - Node is no longer isolated on page 190
0311 - DPC is allowed on page 190
0314 - Route is allowed on page 192
0315 - Route is restricted on page 193
0316 - Route is prohibited on page 193
0317 - RCVRY-LKSTO: Link set allowed on page 195
0322 - X-LIST occupancy below threshold on page 198
0324 - DPC subsystem is allowed on page 199
0327 - DPC subsystem has been deleted on page 200
0328 - SCCP is available on page 201
0329 - SCCP capacity normal, card(s) abnormal on page 201
0333 - DPC Subsystem is Normal on page 204
0335 - SCCP is removed on page 205
0337 - DPC - SS status changed on page 206
0339 - X-LIST space full condition abated on page 207
0340 - RCVRY-MTPLP-RST: Circ rte status cleared on page 208
0347 - SEAS X.25 Link is available on page 215
0351 - SEAS is available on page 221
0352 - SEAS is removed on page 221
0353 - OAP is available on page 222

Message Reference Number and Associated Text
0355 - LSMS is available on page 224
0357 - All OAP terminals are removed on page 226
0359 - LSMS Q.3 association available on page 228
0361 - EMS Agent available on page 229
0365 - Configuration data checksum alarm cleared on page 233
0366 - Temp Key(s) expiration alarm cleared on page 233
0380 - RCVRY-T1F:FAC-T1 available on page 238
0386 - RCVRY-E1F:FAC-E1 available on page 240
0388 - Illegal Address Error has Cleared on page 240
0389 - Card responding normally on page 240
0393 - OA&M IP Security feature is ON on page 242
0394 - INP Subsystem is available on page 242
0397 - INP Subsystem is removed on page 244
0399 - RCVRY-LKSTO:Alarm clr'd by deleting SLK on page 245
0400 - Alarm cleared by deleting card on page 245
0401 - Alarm cleared by deleting SLK on page 245
0402 - Alarm cleared by deleting route on page 246
0409 - Clock configuration corrected on page 250
0423 - Card reload attempted on page 250
0425 - LNP Subsystem normal, card(s) abnormal on page 251
0426 - LNP Subsystem is available on page 252

Message Reference Number and Associated Text
0431 - LNP database has been corrected on page 259
0432 - Backup LNP database has been corrected on page 259
0434 - LNP Subsystem is removed on page 260
0439 - Exiting Degraded Mode on page 262
0445 - RTDB database has been corrected on page 268
0447 - RTDB database capacity alarm cleared on page 272
0454 - Service Error Threshold Alarm Cleared on page 275
0458 - EIR Subsystem is available on page 277
0459 - EIR Subsystem is removed on page 278
0467- STC Network Available on page 278
0470 - EROUTE is Removed on page 279
0471- EROUTE System is Available on page 279
0474 - EROUTE capacity normal, card(s) abnormal on page 280
0476- NTP Time Available on page 281
0478 - Copy Function Activated on page 282
0479 - Link not Monitored on page 282
0481 - Timestamp Valid on page 282
0500 - Alarm being cleared for this device on page 283
0515 - Standby MASP allowed on page 284
0519 - Measurements subsystem available on page 285
0523 - Frame power usage normal on page 287

Message Reference Number and Associated Text
0524 - REPT-ALMINH: alarm output TIMED inhibit on page 287
0525 - Timed alm inh rdy to expire on page 287
0526 - Service is available on page 288
0530 - Service is removed on page 290
0532 - RTX is allowed on page 290
0538 - Ethernet error threshold cleared on page 298
0540 - Ethernet Interface Up on page 298
0542 - MSU cksum error threshold cleared on page 301
0548 - Daughterboard BIP accessible on page 304
0554 - V-Flex Subsystem is available on page 305
0555 - V-Flex Subsystem is removed on page 305
0568 - ATINPQ Subsystem is available on page 307
0569 - ATINPQ Subsystem is removed on page 307
0572 - Sentinel socket is active on page 308
0902 - Card DB is stable on page 309
0904 - IP Link A is up on page 310
0906 - IP Link B is up on page 311
0907 - HW limiting TPS rate alarm cleared on page 311
0912 - Dynamic database is now consistent on page 312

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, conversaion failures, and/or a failed gateway screening function. Each message has a numbered code and informational text associated with the condition.

UIM Reference Number Listing

Note: UIMs will be discarded if received within 250 ms of the previous UIM. This is a design constraint to prevent the OAM from being flooded by UIMs.

The message reference numbers and associated text are shown in the table below6.

Table 6: Unsolicited Information Messages

Message Reference Number and Associated Text
1000 - MTP rcvd UPU - user part is not SCCP on page 313
1001 - MTP rcvd Transfer Controlled (TFC) on page 314
1002 - MTP rcvd invalid TFC - status 0 on page 314
1003 - MTP rcvd invalid H0/H1 code on page 315
1004 - MTP rcvd unknown DPC on page 316
1005 - GWS rcvd OPC that is not allowed on page 316
1006 - GWS rcvd DPC that is not allowed on page 317
1007 - GWS rcvd OPC that is blocked on page 319
1008 - GWS rcvd DPC that is blocked on page 320
1009 - GWS rcvd SIO that is not allowed on page 321
1010 - GWS rcvd a priority that is not allowed on page 322
1011 - GWS rcvd TFC, AFTPC not in routing tbl on page 323
1012 - GWS rcvd Clg Party that is not allowed on page 324

Message Reference Number and Associated Text
1013 - GWS rcvd Cld Party that is not allowed on page 325
1014 - GWS rcvd Translation Type not allowed on page 326
1015 - GWS rcvd SCMG with not allowed AFTPC on page 327
1016 - MTP Adj PC not in routing table on page 328
1017 - MTP Message Received for Network 255 on page 329
1018 - REPT-MTPERR: MTP rcvd invalid SIO on page 329
1019 - SCCP rcvd invalid UDTS/XUDTS msg on page 330
1022 - System Meas. limit exceeded for LSONISMT on page 331
1023 - SCCP rcvd unknown msg type on page 331
1024 - SCCP rcvd inv msg length on page 332
1025 - SCCP rcvd inv msg class on page 333
1026 - System Meas Limit exceeded for LSORIGNI on page 333
1027 - System Meas Limit exceeded for LSDESTNI on page 334
1028 - System Meas. Limit exceeded for ORIGNI/NINC on page 334
1029 - SCCP rcvd inv Cld Party - bad GT ind on page 334
1030 - Inh EIR SS request already outstanding on page 335
1031 - Failure Inhibiting EIR SS on page 335
1032 - Set ETS Mismatch on page 335
1033 - SCCP rcvd inv Cld Party - bad network on page 336
1034 - SCCP rcvd inv Cld Party - no SSN on page 337
1035 - SCCP rsp did not route - invalid GTI on page 337

Message Reference Number and Associated Text
1036 - SCCP rsp did not route - invalid TT on page 339
1037 - SCCP rsp did not route - bad Xlation on page 340
1038 - SCCP rsp did not route -SSP not True PC on page 341
1039 - SCCP rsp did not route - bad Selectors on page 343
1040 - ITU <-> ANSI translation not supported on page 344
1041 - SCCP did not route -no SSN in msg or DB on page 346
1042 - SCCP rcvd inv GT - bad Translation Type on page 347
1043 - SCCP did not route - bad translation on page 348
1044 - SCCP did not route - DPC OOS on page 350
1045 - SCCP did not route - DPC congested on page 352
1046 - SCCP did not route - DPC not in MAP tbl on page 353
1047 - SCCP did not route - SS OOS on page 354
1048 - SCCP did not route - SS congested on page 355
1049 - SCCP did not route - SS not in MAP tbl on page 356
1050 - SCCP-CNV: Unable to convert ANSI CDPA GT on page 357
1051 - SCCP-CNV: Unable to convert ANSI CGPA GT on page 358
1052 - SCCP-CNV: Unable to convert ITU CDPA GT on page 360
1053 - SCCP-CNV: Unable to convert ITU CGPA GT on page 362
1054 - SCCP rcvd inv LSS - bad SSN on page 363
1055 - SCCP rcvd inv SCMG - bad AFTPC on page 364
1056 - SCCP rcvd inv SCMG - bad subsystem on page 365

Message Reference Number and Associated Text
1057 - SCCP rcvd inv SCMG - bad length on page 366
1058 - SCCP rcvd inv SCMG - bad msg type on page 366
1059 - Telnet terminal connection disconnected on page 367
1060 - Map Screening cannot generate ATIER on page 368
1061 - Meas sync not allowed from old version on page 369
1062 - String Data Dump on page 369
1063 - SCCP screen set is too large on page 369
1064 - GWS rcvd TFP, AFTPC not in routing tbl on page 370
1065 - GWS rcvd TFR, AFTPC not in routing tbl on page 370
1066 - GWS rcvd TFA, AFTPC not in routing tbl on page 371
1067 - GWS rcvd UPU, AFTPC not in routing tbl on page 372
1068 - GWS rcvd RSP, AFTPC not in routing tbl on page 373
1069 - GWS rcvd RSR, AFTPC not in routing table on page 373
1070 - SLTC failure: invalid Point Code (OPC) on page 374
1071 - SLTC failure: invalid SLC on page 375
1072 - SLTC failure: no response on page 375
1073 - SLTC failure: bad data pattern on page 376
1074 - SCCP rcvd inv SCMG - invalid SOR on page 376
1075 - MTP: link bypassed SLT phase on page 377
1076 - SLTC failure: invalid Point Code (DPC) on page 378
1080 - disk measurement status unreadable on page 378

Message Reference Number and Associated Text
1081 - MTP: Changeback T5 timeout on page 379
1082 - Amem single bit error report on page 379
1083 - REPT COND: system alive on page 379
1084 - GWS MSU discarded by redirect function on page 380
1085 - GWS MSU too large to be redirected on page 381
1086 - LFS test terminated with OAM switchover on page 382
1087 - MTP RSTRT rcvd unexpected user traffic on page 383
1088 - REPT-MTP-RSTRT MTP Restart started on page 383
1089 - RCVRY-MTP-RSTRT MTP Restart completed on page 383
1090 - ITU GWY:CPC conversion failure on page 383
1091 - ITU GWY:OPC conversion failure on page 384
1092 - ITU GWY:HOH1 conversion failure on page 385
1093 - ITU GWY:rcvd msg type cannot convert on page 386
1094 - ITU GWY:Invalid ISUP msg structure on page 387
1095 - ITU GWY:GRS buffer full on page 387
1096 - ITU GWY:RSC buffer full on page 387
1097 - ITU GWY:CGB buffer full on page 388
1098 - Unexpected disk access timeout on page 388
1099 - String Data Dump on page 388
1100 - GWS rcvd H0/H1 that is not allowed on page 389
1101 - SDRAM Single Bit Error Report on page 390

Message Reference Number and Associated Text
1102 - Invalid Length for Map IMEI Parameter on page 391
1103 - LSS:No Map IMEI Parameter present on page 392
1104 - IP Connection Failed on page 392
1105 - REPT EVT:IMT GPL reloading on page 393
1106 - REPT COND:IMT GPL reloading on page 393
1107 - SCCP XUDT (S) msg: Hop Counter violation on page 393
1108 - SCCP XUDT (S) msg: inv opt portion len on page 395
1109 - SCCP XUDT(S) msg: inv segmentation parm on page 396
1110 - GWS rcvd AFTPC that is not allowed on page 397
1111 - GWS rcvd TCA, AFTPC not in routing tbl on page 398
1112 - GWS rcvd TCR, AFTPC not in routing tbl on page 398
1113 - GWS rcvd TCP, AFTPC not in routing tbl on page 399
1114 - Database BACKUP started on page 400
1115 - Database RESTORE started on page 400
1116 - Database action ended - OK on page 400
1117 - Database action ended - FAIL on page 400
1118 - Audit of LNP backup database completed on page 401
1119 - LNP database audit - internal error on page 401
1120 - TRBL Queue is full:elements overwritten on page 401
1121 - LNP rcvd query from unknown CGPA PC on page 401
1122 - LNP rcvd query with undefined TT/SERV on page 402

Message Reference Number and Associated Text
1123 - LNP rcvd query with Message Relay TT on page 403
1124 - LNP Database IMPORT started on page 404
1125 - GWS rcvd CDPA that could not be RDCTd on page 404
1126 - GWS rcvd CGPA that could not be RDCTd on page 406
1127 - GWS rcvd AFTPC that could not be RDCTd on page 407
1128 - GWS rcvd TT that could not be RDCTd on page 408
1129 - Ported subs SMSC matches Home SMSC Addr on page 409
1130 - LOCREQ rcvd - IS412GSM not provisioned on page 411
1131 - Invalid digits in IS41 MAP Digits parm on page 413
1132 - SLAN DLK ping test completed on page 414
1133 - GX25 outbound data exceeds packet size on page 414
1134 - GX25 route not found on page 415
1135 - GX25 route not available on page 416
1136 - GX25 route already connected on page 416
1137 - GX25 incorrect X25 address on page 417
1138 - GX25 unsupported packet type received on page 418
1139 - GX25 unsupported MSU type received on page 419
1140 - GX25 DPC not defined on page 420
1141 - GX25 unrecognized X25 calling address on page 421
1142 - GX25 unrecognized X25 called address on page 421
1143 - GX25 cannot make connection on page 422

Message Reference Number and Associated Text
1144 - GX25 logical channel cleared on page 424
1145 - GX25 unexpected restart received on page 425
1146 - REPT-XLST-TIMO: X-LIST entry expired on page 425
1147 - MTP Invalid TFA received on page 426
1148 - MTP Invalid TFR received on page 426
1149 - SLK Level-3 T19 timer expired on page 426
1150 - SLK Inhibit Denied on page 427
1151 - SLK Inhibit Response Timeout on page 427
1152 - SLK Uninhibit Denied on page 427
1153 - SLK Uninhibit Response Timeout on page 428
1154 - MSU received threshold exceeded on page 428
1155 - MSU-rejected threshold exceeded on page 428
1161 - GWS rcvd nonSNM DESTFLD screening msg on page 429
1162 - GWS rcvd nonSCCP CGPA/CDPA screen msg on page 430
1163 - GWS rcvd invalid GTI in TT screening on page 430
1164 - Inh LNP SS request already outstanding on page 431
1165 - Failure Inhibiting LNP SS on page 431
1166 - ACG Node Overload Level Change on page 431
1167 - LNP database audit is disabled on page 432
1168 - Audit of LNP database completed on page 432
1169 - SCCP rcvd inv TCAP portion on page 432

Message Reference Number and Associated Text
1172 - REPT-OVSZMSG: MTP MSU too large to rte on page 434
1173 - REPT-OVSZMSG: SCCP MSU too large to rte on page 434
1174 - Inh INP SS request alrdy outstanding on page 435
1175 - Failure Inhibiting INP SS on page 435
1176 - LNP Subscription ref's DPC w/ 0 routes on page 435
1177 - Cnvrsn Discard: SCCP MSU too large on page 436
1178 - Conversion Discard: Invalid SCCP msg type on page 436
1179 - Cnvrsn Discard: CGPA PC alias undefined on page 437
1180 - Conversion Discard: Aft. PC alias undefined on page 438
1181 - Conversion Discard: Invalid SCMG msg type on page 439
1182 - Cnvrsn Discard - Invalid TCAP element on page 440
1183 - Cnvrsn Discard - Invalid TCAP elem't len on page 440
1184 - Cnvrsn Discard: Invalid SCCP elem't len on page 441
1185 - GTI input clock anomalies detected on page 442
1186 - Meas data load failure: old version on page 442
1187 - GPL Table Checksum Mismatch on page 443
1188 - DB Subset Checksum Mismatch on page 443
1189 - SCCP did not Route - DPC not in RTE Table on page 443
1190 - SCCP rcvd inv Clg Party - bad GT ind on page 445
1191 - SCCP rcvd inv Clg Party - bad Selectors on page 446
1192 - SCCP translation found: XLAT=UDTS on page 448

Message Reference Number and Associated Text
1193 - SCCP translation found: XLAT=DISC on page 449
1195 - SCCP did not route - DPC/SS not in mapset on page 450
1196 - IP Connection Congestion Timeout on page 452
1197 - IP Connection refused on page 452
1198 - IP Connection, Cannot resolve RHOST on page 453
1199 - LNP DTH Measurements Discarded for DPC on page 453
1200 - INW ALT card as first to be preloaded on page 454
1201 - INW MAIN card as last to be reset on page 454
1202 - INW Asserted DDL inhibition on page 454
1203 - INW Card reset command issued on page 454
1204 - INW Waiting for card loading validation on page 455
1205 - INW Detected card loaded on page 455
1206 - INW Detected card reset or removed on page 455
1207 - INW Allowed card to skip DDL inhibited on page 455
1208 - INW Removed DDL inhibition on page 456
1209 - INW Need to reset/remove/inhibit card on page 456
1210 - INW Card failed to reset on page 456
1211 - INW Failed to assert DDL inhibition on page 456
1212 - INW Failed to remove DDL inhibition on page 457
1213- INW Card failed to DDL crossload on page 457
1214 - INW Allowed card to DDL crossload on page 457

Message Reference Number and Associated Text
1215 - GWS rcvd CDPA that could not be CNCFd on page 457
1216 - GWS rcvd CGPA that could not be CNCFd on page 459
1217 - GWS rcvd AFTPC that could not be CNCFd on page 460
1218 - GWS rcvd TT that could not be CNCFd on page 461
1219 - SCCP rcvd inv Cld Party - bad GT ind on page 462
1220 - SCCP rcvd inv Cld Party - bad network on page 464
1221 - SCCP rcvd inv Cld Party - no SSN on page 465
1222 - SCCP rcvd inv GT - invalid selectors on page 466
1223 - SCCP did not route - bad translation on page 467
1224 - SCCP rcvd inv LSS - bad SSN on page 468
1225 - SCCP did not route - DPC OOS on page 469
1226 - SCCP did not route - DPC congested on page 471
1227 - SCCP did not route - DPC not in MAP tbl on page 472
1228 - SCCP did not route - SS OOS on page 474
1229 - SCCP did not route - SS congested on page 475
1230 - SCCP did not route - SS not in MAP tbl on page 476
1231 - SCCP Encode Failure on page 477
1232 - SCCP Encode Failure on page 478
1233 - MTP Invalid ITU TFR RCVD on page 479
1234 - LNP Day Meas. Discarded for NPANXX on page 480
1237 - Dynamic database audit not current on page 480

Message Reference Number and Associated Text
1238 - Full LNP database reload initiated on page 480
1239 - LNP updates inhibited:loading mode stability on page 481
1240 - LNP updates allowed:loading mode stability on page 482
1241 - LNP Incremental Loading on page 482
1242 - Conv to intl num - Dflt CC not found on page 482
1243 - Conv to intl num - Dflt NC not found on page 484
1244 - Conv to intl num - Dflt MCC not found on page 485
1245 - Conv to intl num - Dflt MNC not found on page 486
1246 - Invalid length of conditioned digits on page 487
1247 - Conversion of MGT to IMSI not possible on page 488
1248 - GSM MAP Screening rcvd unknown originator on page 489
1249 - SCCP rcvd GSM MAP Opcode w/forbidden param on page 491
1250 - SCCP rcvd undefined MAP Op-Code on page 492
1251 - Measurements data copy failure on page 493
1252 - Report generation failure on page 493
1253 - Report transfer failure FTP Server on page 493
1254 - Scheduled transfer failure on page 494
1255 - IS-41 LNP Qry rejected: WNP is OFF on page 494
1256 - MNP Circular Route Detected on page 495
1257 - DB restore has cleared and Disabled PDS on page 496
1258 - Map Screening cannot Forward MSU on page 496

Message Reference Number and Associated Text
1259 - Map Screening cannot Duplicate MSU on page 498
1260 - LSS: Unsupported TCAP msg type on page 499
1261 - LSS: Invalid len in transaction portion on page 499
1262 - LSS: Invalid len in dialogue portion on page 500
1263 - LSS: Invalid len in component portion on page 501
1264 - LSS: No originating transaction ID on page 501
1265 - LSS: Invalid transaction ID len on page 502
1266 - LSS: Destination transaction ID in Begin on page 503
1267 - LSS: No External element on page 504
1268 - LSS: No External Object Identifier on page 504
1269 - LSS: Not Structured Dialogue on page 505
1270 - LSS: No External ASN1-Type on page 506
1271 - LSS: No Dialogue Request on page 507
1272 - LSS: No Application Context Name on page 507
1273 - LSS: No ACN Object Identifier on page 508
1274 - LSS: No component portion on page 509
1275 - LSS: No Invoke component on page 510
1276 - LSS: No Invoke ID on page 510
1277 - LSS: No operation code on page 511
1278 - LSS: No parameter (set/sequence) on page 512
1279 - LSS: Unsupported network type on page 512

Message Reference Number and Associated Text
1280 - LSS: Unsupported SCCP msg type on page 513
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Message Reference Number and Associated Text
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Message Reference Number and Associated Text
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Chapter 3

UAM/UIM Troubleshooting

Topics:

- *UAM and UIM Troubleshooting Procedures Page 54*
- *UAMs Page 54*
- *UIMs Page 313*

UAM and UIM Troubleshooting Procedures

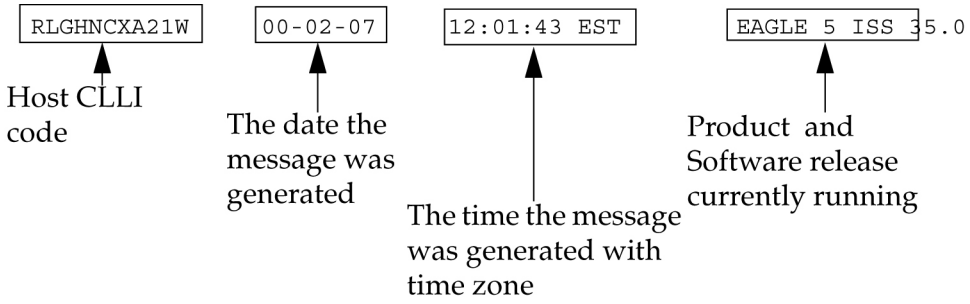
The following procedures are listed by message reference number (MRN). Locate the message reference number in the output message on your screen, find the MRN in this chapter, and follow the procedure to troubleshoot the problem.

Note: The outputs in the following procedures are examples. Some outputs have several variations. In most cases only one variation is shown.

If a linkset is in *test mode*, any GWS failure UIMs are reported, but the failed traffic is still switched through. The UIM displays a line identifying the test mode state. A linkset in test mode performs the GWS action, but does not screen out MSUs which do not pass screening. The GWSM action is on and the GWSA or GWS Activated action is off.

The system header information is shown in the example outputs and includes the following information:

Figure 2: System Header Information



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 *Appendix A, 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 *Customer Care Center* on page 4.

0002 - Card is not running approved GPL

This alarm indicates a card or cards are running a generic program load (GPL) other than the approved GPL. This is determined by a system audit, which compares the GPL running on each card with the approved version for each card type. If any card(s) are running a GPL other than its approved GPL, an alarm is created. Only one alarm for each card application is displayed.

Example

```
RLGHNCXA21W 94-02-07 12:01:43 EST  EAGLE 35.0.0
* 0014.0002  * GPLSYSTEMOAM   Card is not running approved GPL
```

Alarm Level: Minor

Recovery

There are three procedures for this output. Choose the procedure based on the GPL System indicated in the alarm message. Refer to the following to help determine the correct procedure:

1. Use the ***Recovery Procedure for All Cards Without Flash Memory* on page 55** if the following GPLs are indicated in the output as the GPL System.

   ATMANSI, ATMITU, CCS7ITU, EBDABLM, EBDADCM, EMDC, EOAM, EROUTE, GLS, IMT, IPGWI, IPLIM, IPLIMI, IPS, MCP, SCCP, SS7ANSI, SS7GX25, SS7HC, SS7IPGW, SS7ML, STPLAN, VSCCP, VXWSLAN

2. Use the ***Recovery Procedure for Cards With Flash Memory (Except HMUX and HIPR)* on page 56** if the following GPLs are indicated in the output as the GPL System.

   BLBIOS, BLCPLD, BLDIAG, BLVXW, BPDCM, BPHCAP, BPHCAPT, BPMPL, BPMPLT, IMTPCI, PLDE1T1, PLDPMC1

3. Use the ***Recovery Procedure for HMUX and HIPR Card* on page 60** if the following GPL is indicated in the output as the GPL System.

   BPHMUX, HIPR

Recovery Procedure for All Cards Without Flash Memory

CAUTION: This procedure causes the identified card to reload, and should be used only during periods of low traffic or the maintenance window.

1. Enter the following command to verify the GPLs running for the card identified in the output:
   `rept-stat-gpl:gpl=xxxxxxx`

   where *xxxxxxx* is the GPL identified in the output.

   Following is an example of the output.

```
tekelecstp 03-07-03 16:53:23 EST  EAGLE5 32.0.0-55.0.0
GPL Auditing  ON
GPL        CARD      RUNNING            APPROVED      TRIAL
SS7HC      1203      025-015-001 ALM   025-015-000   -----------
```

   Note: Mismatched GPLs should occur only during upgrades or running a trial GPL.

2. Verify GPL Auditing is **ON** . If not, enter the following command:
   `chg-gpl:audit=on`
3. Enter the following command to reload the card:
   `init-card:loc=xxxx`

   where *xxxx* is the card location stenciled on the shelf of the EAGLE 5 ISS

   Note: Wait for the card to finish loading before continuing.

   .
4. Enter the following command to verify the approved GPLs match the running GPLs:
   `rept-stat-gpl:gpl=xxxxxxx`

   where *xxxxxxx* is the GPL identified in the output.
5. If the GPLs match, you have completed this procedure.

   If the GPLs do not match, continue with the following step.
6. Enter the following command to determine which cards are in alarm condition (indicated by the acronym ALM in the `rept-stat-gpl` display):
   `rept-stat-gpl`
7. Note which cards are in an alarm condition and contact the *Customer Care Center* on page 4.

Recovery Procedure for Cards With Flash Memory (Except HMUX and HIPR)

CAUTION: This procedure causes the identified card to reload, and should be used only during periods of low traffic or the maintenance window.

1. Enter the following command to display the card locations running the GPL identified in the output.
   `rept-stat-gpl:gpl=xxxxxxx`

   where *xxxxxxx* is the GPL identified in the output.

   Following is an example of the output.

```
tekelecstp 03-07-03 16:53:23 EST  EAGLE5 35.0.0-55.0.0
GPL Auditing  ON
```

```
    GPL        CARD      RUNNING             APPROVED      TRIAL
    BLCPLD     1203      025-015-001 ALM   025-025-000   -----------
```

Note: Mismatched GPLs should occur only during upgrades or running a trial GPL.

2. Verify GPL Auditing is **ON** . If not enter the following command:
   `chg-gpl:audit=on`
3. Enter the following command to deactivate all links on the card.
   `dact-slk:loc=xxxx:link=y`
   where *xxxx* is the card location identified in the output and *y* is the link.
4. Enter the following command to change the state of the appropriate card to the out of service - maintenance disabled state:
   `inh-card:loc=xxxx:force=yes`
   where *xxxx* is the card location stenciled on the shelf of the EAGLE 5 ISS.
   Following is an example of the output:

```
RLGHNCXA03W  00-06-05  11:11:28 EDT  EAGLE 35.0.0
Card has been inhibited.
```

5. Enter the following 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.
   Following is an 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.
;
```

6. Enter the following command to put the card that was inhibited in *Step 4* on page 57 back into service:

   `alw-card:loc=xxxx`

   where *xxxx* is the card location used in *Step 4* on page 57

   Following is an 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.

7. Enter the following 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.

8. Enter the following 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

9. Enter the following command to verify the approved GPLs match the running GPLs:

   `rept-stat-gpl:gpl=xxxxxxx`

   where *xxxxxxx* is the GPL identified in the output.

10. If the GPLs match, you have completed this procedure.

    If the GPLs do not match, continue with the following step.

11. Repeat this procedure for each card that shows ALM in the output.
12. If the same card shows in an alarm condition after executing the procedure, please contact the *Customer Care Center* on page 4.

Recovery Procedure for HMUX and HIPR Card

CAUTION: This procedure causes the identified card to reload and resets the respective IMT bus, and should be used only during periods of low traffic or the maintenance window.

1. Enter the following command to verify the GPLs running for the card identified in the output:

   `rept-stat-gpl:gpl=xxxxxx`

   where ***xxxxxx*** is the GPL (HIPR or BPHMUX) identified in the output.

   Following is an example of a BPHMUX output :

```
tekelecstp 03-07-03 16:53:23 EST  EAGLE5 35.0.0-55.0.0
GPL Auditing  ON
GPL


CARD  RUNNING      APPROVED         TRIAL
BPHMUX    1209  028-005-000  028-005-000
-----------

BPHMUX    1210  028-005-000  028-005-000
-----------

BPHMUX    1309  028-004-000  028-005-000 ALM
-----------

BPHMUX    1310  028-005-000  028-005-000
-----------
```

   Note: Mismatched GPLs should occur only during upgrades or running a trial GPL.

2. Verify GPL Auditing is **ON** .

   If not enter the following command:

   `chg-gpl:audit=on`

3. Enter the following command to load the GPL onto the HMUX card:

   `init-flash:code=appr:loc=xxxx`

   where *xxxx* is the HMUX/HIPR card location with the alarm condition in *Step 1* on page 60.

   Following is an example of the output using card location 1309:

```
    RLGHNCXA03W  00-06-05  11:11:28 EDT  EAGLE 35.0.0
    FLASH Memory Downloading for card 1309 Started.
;
    RLGHNCXA03W  00-06-05  11:11:28 EDT EAGLE 35.0.0
    BPHMUX Downloading for card 1309 Complete.
;
    RLGHNCXA03W  00-06-05  11:11:28 EDT  EAGLE 35.0.0
    Command Completed.
```

4. Enter the following command to initialize the HMUX/HIPR.

CAUTION: This command boots the HMUX/HIR processor and brings down the respective IMT bus temporarily (approximately 10 seconds) until the HMUX/HIPR card comes back into service.

- To flash an individual HMUX/HIPR card:

  `init-mux:loc=xxxx`

  where *xxxx* is the card location
- To flash all cards on a particular bus:

  `init-mux:bus=y`

  where *y* is the bus

Note: Allow the card to run for 5 minutes before continuing.

5. Enter the following command to activate the trial GPL loaded onto the card in *Step 4* on page 60:

   `act-flash:loc=xxxx`

   where *x*xxx is the card location used in *Step 3* on page 60.

   Following is an example of the output using card location 1309:

```
    RLGHNCXA03W  00-06-05  11:11:28 EDT  EAGLE 35.0.0
    FLASH Memory Activation for card 1309 Completed.
;
    RLGHNCXA03W  00-06-05  11:11:28 EDT  EAGLE 35.0.0
    Command Completed.
```

6. Enter the following command to verify the approved GPLs match the running GPLs:

   `rept-stat-gpl:gpl=xxxxxx`

   where *xxxxxx* is the GPL (HIPR or BPHMUX) identified in the output.

   Following is an example of a BPHMUX output:

```
tekelecstp 03-07-03 16:53:23 EST  EAGLE5 35.0.0-55.0.0
GPL Auditing  ON
GPL


CARD  RUNNING      APPROVED         TRIAL
BPHMUX    1209  028-005-000  028-005-000
----------

BPHMUX    1210  028-005-000  028-005-000
----------

BPHMUX    1309  028-005-000  028-005-000
----------
BPHMUX    1310  028-005-000  028-005-000
----------
```

7. If the GPLs match, you have completed this procedure.

   If the GPLs do not match, continue with the following step.

8. Enter the following command to determine which cards are in alarm condition (indicated by the acronym ALM in the `rept-stat-gpl` display):

   `rept-stat-gpl`

9. Note which cards are in an alarm condition and contact the *Customer Care Center* on page 4.

0003 - Alarm cleared for GPL

This message indicates that all the cards of a specific type are running the approved GPL and the alarm condition, specified by message "0002 - Card is not running approved GPL" has been cleared.

Example

```
RLGHNCXA21W 94-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0003    GPL SYSTEM OAM   Alarm cleared for GPL
```

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.

0004 - Card is running non-activated GPL

This alarm indicates a card or cards are running a non-activated *Trial* or *Approved* generic program load (GPL). This output is expected when changing a flash GPL. This alarm occurs after a successful download to the card, and the card boots. This is determined by a system audit, which compares the GPL running on each card with the activated version for each card type. If any card(s) are running a GPL other than its activated GPL, an alarm is created. Only one alarm for each card application is displayed. UAM *0002* might also be produced.

Example

```
RLGHNCXA21W 94-02-07 12:01:43 EST  EAGLE 35.0.0
* 0014.0004  * GPLSYSTEMBPDCM   Card is running non-activated GPL
```

Alarm Level: Minor

Recovery

1. Enter the following command to verify the release GPLs match the GPLs on the disk: `rtrv-gpl`

   Note: Mismatched GPLs should occur only during upgrades or running a trial GPL.

2. Enter the following command to determine which cards are in alarm condition (indicated by the acronym ALM in the `rept-stat-gpl` display): `rept-stat-gpl`
3. If the GPLs do not match from *Step 1* on page 62, note which cards are in an alarm condition and contact the *Customer Care Center* on page 4.

0005 - Alarm cleared running non-activated GPL

This message indicates that all the cards of a specific type are running the non-activated GPL and the alarm condition, specified by message "0004 - Card is running non-activated GPL" has been cleared.

Example

```
RLGHNCXA21W 94-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0005    GPL SYSTEM BPDCM   Alarm cleared running non-activated GPL
```

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.

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 *Appendix A, Card Removal/Replacement Procedures*..

3. If the trouble does not clear, obtain any obituary reports and contact the *Customer Care Center* on page 4.

0009 - MASP became active

This message indicates which MASP is active.

Example

```
  RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
* 0014.0009   CARD 1113 OAM   MASP became active
```

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

Recovery

This message indicates a previous fault or condition has been corrected.

No further action is necessary.

0010 - MASP became standby

This message indicates which MASP is standby.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0012.0010   CARD 1113 OAM   MASP became standby
```

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

Recovery

This message indicates a previous fault or condition has been corrected.

No further action is necessary.

0011 - Entering forced simplex mode

This message indicates the active OAM card found itself in a forced simplex mode of operation while the active OAM LNP updating option was on (turned on with the `chg-lnpopts:frcsmplx=yes` command). A simplex mode of operation means the active OAM card cannot communicate with its standby OAM card.

In a forced simplex mode, after five minutes LNP updates are allowed to be provisioned on the active OAM only. The active OAM accepts updates, and the standby OAM is not able to receive LNP updates, leaving the standby database in the state of being incoherent, diff level, or unstable.

When the standby OAM eventually resumes communication, the active OAM remains in forced simplex mode until the standby OAM LNP database is repaired from the active OAM. The forced simplex mode is automatically removed following the repair of the standby database.

The forced simplex mode of operation can also be removed with the command `chg-lnpopts:frcsmplx=no`. However, active OAM LNP updates may be prohibited until the standby database is repaired.

Example

```
   RLGHNCXA21W 03-08-28 11:02:30 EST  EAGLE 35.0.0
** 0100.0011    SYSTEM     Entering forced simplex mode
```

Alarm Level: Major

Recovery

1. If you choose to exit forced simplex mode (that is, not allowing LNP updates on the active OAM only), enter the following command to remove the forced simplex status from the LNP options:

   `chg-lnpopts:frcsmplx=no`

   You may elect to stop here, or you may elect to continue with *Step 3* on page 65.

2. If you choose, you may remain in forced simplex mode (accepting LNP updates in the active OAM card without communicating with the standby card) until the standby OAM is replaced, its database is corrected, or communication is restored.

   Continue with *Step 3* on page 65.

3. When you choose to resume the duplex mode of operation with the active and standby OAM cards, you must restore communications with the standby card and repair the standby LNP database, as required.

   Enter the following command to verify the databases:

   `rept-stat-db`

   Following is an example of the output:

```
> rept-stat-db
Command Accepted - Processing

oflnmoxa11w 98-10-08 15:56:40 CDT EAGLE 35.0.0
    rept-stat-db
    Command entered at terminal #4.
;
    oflnmoxa11w 98-10-08 15:56:40 CDT EAGLE 35.0.0
DATABASE STATUS: >> OK <<
    TDM 1114 ( STDBY)                    TDM 1116 ( ACTV )
         C   LEVEL    TIME LAST BACKUP     C   LEVEL    TIME LAST BACKUP
         - -------- --------------------  - -------- --------------------
FD BKUP  Y   342256 98-10-07 00:40:29 CDT  Y   342256 98-10-07 00:40:29 CDT
FD CRNT  N   342374                        Y   342375
       MDAL 1117
         - --------
```

   (Refer to the *Commands Manual* to interpret the output.)

4. Check the status of the standby database in the output of the previous step.

   - If the report shows the standby OAM is present, go to *Step 7* on page 65
   - If the report does not show the standby OAM card to be present, continue to *Step 5* on page 65 .

5. Enter the following command to initialize the standby OAM card:

   `init-card:loc=xxxx`

   where xxxx is the standby OAM number (1113 or 1115).

6. If the problem is still not corrected, reseat the GPSM-II card.

   If the OAM still does not respond, replace the GPSM-II card. Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*..

7. Once the card is known to be operational, if the standby OAM card needs to be repaired, resynchronize the standby card's LNP database with the active OAM card with this command:

   `chg-db:action=repair`

8. If you choose to restore the status of the active OAM LNP updating options (especially if you turned it off in *Step 1* on page 64), issue the command:

   `chg-lnpopts:frcsmplx=yes`

9. If the trouble does not clear, obtain any obituary reports and contact *Customer Care Center* on page 4.

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, or the system software has ordered 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.
4. If reseating the card does not clear the fault, replace the card.
   Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*..
5. If the alarm still does not clear, contact the *Customer Care Center* on page 4.

0014 - Card is present

The card indicated was isolated from the system, but is now communicating with the active MASP. The maintenance software has begun recovery action.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0014    CARD 1201 SS7ANSI   Card is present
             ASSY SN: 102199815a1234
```

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

Recovery

No immediate action is required.

The maintenance software is attempting to recover the card by reinitialization of the card.

0018 - Exiting forced simplex mode

This UAM indicates that forced simplex mode is being exited. This message results from either the `chg-lnpopts` command turning off the forced simplex mode or the automatic ending of the forced simplex mode after the repair of the standby OAM database.

A forced simplex mode of operation occurs when the active OAM card cannot communicate with its standby OAM card while the active LNP option was on (turned on with the `chg-lnpopts:frcsmplx=yes` command). This mode allows provisioning of LNP updates in the active OAM database when communication is lost with its standby OAM card.

Example

```
   RLGHNCXA21W 03-08-28 11:02:30 EST  EAGLE 35.0.0
** 0100.0018    SYSTEM     Exiting forced simplex mode
```

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

Recovery

This message indicates either the `chg-lnpopts:frcsmplx=no` command was successfully executed or an automatic response resulted from a successful repair of the standby OAM database.

No further action is necessary.

0021 - Clock A for card failed, B normal

This indicates that the A clock signal for the indicated card is not present.

Example

```
  RLGHNCXA21W 94-02-07 12:01:43 EST  EAGLE 35.0.0
* 0014.0021  * CARD 1116 OAM   Clock A for card failed, Clock B normal
```

Alarm Level: Minor

Recovery

1. Enter the following command to determine the status of the clock:

   `rept-stat-clk`

The output indicates how many cards are using the specified clock, and how many cards are reporting fault with the specified clock.

Following is an example of the possible 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   = -----
    SECONDARY BITS = Idle         SECONDARY BITS = -----
                                  PST           SST       AST
    SYSTEM CLOCK                  IS-NR         ACTIVE    ALMINH
    # 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
    Command Completed.
```

CAUTION: Resetting, 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.

2. If only one card is reporting fault, reset the card.
3. If the fault has not cleared, reseat the card.
4. If the fault has not cleared, replace the card.

   Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*..
5. If the fault has not cleared, replace the TDM card in MASP A.
6. If more than one card is reporting fault with the designated clock, check the clock cable connection at the shelf backplane (refer to the *Installation Manual* for cable location).

   If the clock cable is at fault, replace the clock cable.
7. 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.

0022 - Clock B for card failed, A normal

This indicates that the B clock signal for the indicated card is not present.

Example

```
  RLGHNCXA21W 94-02-07 12:01:43 EST  EAGLE 35.0.0
* 0014.0022  * CARD 1116 OAM   Clock B for card failed, Clock A normal
```

Alarm Level: Minor

Recovery

1. Enter the following command to determine the status of the clock:

   `rept-stat-clk`

   The output indicates how many cards are using the specified clock, and how many cards are reporting fault with the specified clock.

   Following is an example of the possible 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   = -----
```

```
    SECONDARY BITS = Idle          SECONDARY BITS = -----
                                   PST           SST       AST
    SYSTEM CLOCK                   IS-NR         ACTIVE    ALMINH
    # 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
    Command Completed.
```

CAUTION: Resetting, 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.

2. If only one card is reporting fault, reset the card.
3. If the fault has not cleared, reseat the card.
4. If the fault has not cleared, replace the card.

   Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*..
5. If the fault has not cleared, replace the TDM card in MASP B.
6. If more than one card is reporting fault with a clock, check the clock cable connection at the shelf backplane (refer to the *Installation Manual* for cable location).

   If the clock cable is at fault, replace the clock cable.
7. 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.

0023 - Clocks A and B for card failed

The A and B clock sources for the indicated card are not present.

Example

```
  RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
* 0014.0023  * CARD 1116 OAM   Clocks A and B for card failed
```

Alarm Level: Minor

Recovery

1. Enter the following command to determine the status of the clocks:

   `rept-stat-clk`

   The output indicates how many cards are using the specified clocks, and how many cards are reporting fault with the specified clock.

   Following is an example of the possible 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   = -----
    SECONDARY BITS = Idle         SECONDARY BITS = -----
                                  PST           SST       AST
    SYSTEM CLOCK                  IS-NR         ACTIVE    ALMINH
    # 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
Command Completed.
```

CAUTION: Resetting, 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.

2. If the `rept-stat-clk` command indicates both clocks are healthy, reset the affected card.
3. If the fault has not cleared, reseat the affected card.
4. If the fault has not cleared, replace the affected card.

   Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*..
5. If the BITS clock is not at fault, replace the TDM cards in both MASP A and B.
6. If the fault has cleared and any of these cards are LIMs, place the links assigned to these cards back into service using the following command:

   `act-slk:loc=x:port=y`

   where *x* is the card location stenciled on the shelf of the system and *y* is the port on the card designated in the **loc** parameter.
7. If the fault has not cleared, contact the *Customer Care Center* on page 4.

0024 - Clock A for card normal

This message indicates that the clock A distribution for the specified card is now normal.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0024    CARD 1116 OAM   Clock A for card normal
```

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

Recovery

This message indicates a previous fault in the clock A distribution has been cleared.

No action is necessary.

0025 - Clock B for card normal

This message indicates that the clock B distribution for the specified card is now normal.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0025    CARD 1116 OAM   Clock B for card normal
```

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

Recovery

This message indicates a previous fault in the clock B distribution has been cleared.

No action is necessary.

0026 - Clocks A and B for card normal

This message indicates that clock A and B for the indicated card has returned to a normal state.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0026    CARD 1116 OAM   Clocks A and B for card normal
```

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.

0033 - Card database has been corrected

This message indicates that the database has been reloaded to the indicated card by system software. This typically occurs when the system software finds the card database is not synchronized with the other cards in the system (incoherent database).

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0033    CARD 1113 OAM      Card database has been corrected
```

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.

0034 - Card database is inconsistent

This message indicates that the database on the indicated card is not at the same level as the source database level. For more information about database management procedures, refer to the Database *Administration Manual*.

Example

```
  RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
* 0014.0034  * CARD 1201 LIMDS0    Card database is inconsistent
```

Alarm Level: Minor

Recovery procedure for a MASP card

1. Enter the following command to retrieve the terminal types and port numbers:
   `rtrv-trm`
2. Enter the following command to inhibit each OAP terminal displayed in the output from *Step 1* on page 71:
   `inh-trm:trm=x`
   where *x* is the port number.

Note: The force parameter is required for the last OAP terminal inhibited.

3. Enter the following command to check the database level on all cards:
   ```
   rept-stat-db:display=all
   ```
   Pay special attention to note the database levels on both the active and standby current partitions and the levels represented on all the network cards. It is important that the database level of the network cards matches the database level of the active MASP.

   Note: If the database on the OAM is repaired and ends up at a lower level than the network cards, the system must be initialized.

4. If neither database is at the same level as the network cards, contact the *Customer Care Center* on page 4.
5. If the message indicates
   - the active fixed disk is inconsistent, continue with *Step 6* on page 72.
   - the standby fixed disk is inconsistent, continue with *Step 9* on page 72.
   - that both fixed disks are inconsistent, continue with *Step 14* on page 73.
6. Enter the following command on the active GPSM-II card to force it to become standby:
   ```
   init-card:loc=xxxx
   ```
   where *xxxx* is the card location stenciled on the shelf of the system.
7. Enter the following command to log back into the system:
   ```
   login:uid=xxxx
   ```
   where *xxxx* is the User ID.
8. Enter the following command to check the database level on all cards:
   ```
   rept-stat-db:display=all
   ```
   Pay special attention to note the database levels on both the active and standby current partitions and the levels represented on all the network cards. It is important that the database level of the network cards matches the database level of the active MASP.

   Note: If the database on the OAM is repaired and ends up at a lower level than the network cards, the system must be initialized.

9. Enter the following command to copy the current and backup database partitions on the active fixed disk, to the current and backup database partitions on the standby fixed disk:
   ```
   chg-db:action=repair
   ```
   After the command is executed, the standby GPSM-II card reboots, the old database data is purged from memory, and the new database is loaded.
10. After the card has been reloaded (a message appears to confirm completion of the load), enter the following command to verify the database is consistent (same level as the other cards in the system):
    ```
    rept-stat-db:display=all
    ```
    a) If standby and current active databases are consistent, continue with *Step 11* on page 72.
    b) If the current active or standby database is inconsistent, continue with *Step 13* on page 73.
11. Enter the following command to return the OAP terminals to the in-service state:

```
alw-trm:trm=x
```

where *x* is the port number of the terminals of type OAP from *Step 1* on page 71.

12. For more information on database management, refer to the *Database Administration Manual - System Management*.

    STOP! YOU HAVE COMPLETED THIS PROCEDURE.

13. Enter the following command for the inconsistent fixed disk:

    ```
    tst-disk:loc=xxxx
    ```

    where *xxxx* is the location of the inconsistent fixed disk. When the command completes, continue with *Step 14* on page 73.

14. Contact the *Customer Care Center* on page 4.

Recovery procedure for a non-MASP card

CAUTION: Resetting, 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.

1. Wait five minutes to see if the card corrects itself.
2. Enter the following command to check the database level on the card:

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

3. If the problem persists, enter the following command to retrieve the terminal types and port numbers:

   ```
   rtrv-trm
   ```

4. If the card is a LIM, enter the following command to deactivate the slk:

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

   where *xxxx* is the card location;

   y is the port on the card specified in the location parameter.

5. Enter the following command to inhibit each OAP terminal displayed in the output from *Step 3* on page 73.:

   ```
   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 to change the state of the card to OOS-MT-DSBLD

   ```
   init-card:loc=xxxx
   ```

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

7. Enter the following command to change the state of the card to IS-NR:

   ```
   alw-card:loc=xxxx
   ```

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

8. If the card is a LIM, enter the following command to activate the slk:

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

where *xxxx* is the card location

y is the port on the card specified in the location parameter.

9. After the card has been reloaded (a message appears to confirm completion of the load), enter the following command to verify the database is consistent (same level as the other cards in the system).
   ```
   rept-stat-card
   ```
10. Check the consistency of the card by entering the following command:
    ```
    rept-stat-db:display=except
    ```
11. Enter the following command to return the OAP terminals to the in-service state:
    ```
    alw-trm:trm=x
    ```
    where *x* is the port number.
12. If the problem persists, contact the *Customer Care Center* on page 4.

0035 - Card database is corrupted

This message indicates that the card database has been modified by some unknown process and is not usable. For more information about database management procedures, refer to the Database *Administration Manual*.

Example

```
  RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
* 0014.0035  * CARD 1113 OAM       Card database is corrupted
```

Alarm Level: Minor

Recovery procedure for a MASP card

1. Enter the following command to retrieve the terminal types and port numbers:
   ```
   rtrv-trm
   ```
2. Enter the following command to inhibit each OAP terminal displayed in the output from *Step 1* on page 74:
   ```
   inh-trm:trm=x
   ```
   where *x* is the port number.

   Note: The force parameter is required for the last OAP terminal inhibited.
3. Enter the following command for each OAP terminal inhibited in *Step 2* on page 74:
   ```
   chg-trm:trm=x:type=none
   ```
   where *x* is the port number.
4. If the message indicates the standby fixed disk is corrupted, continue with *Step 6* on page 75.
   If the message indicates the active fixed disk is corrupted, continue with *Step 5* on page 74.
5. Enter the following command on the active GPSM-II card to force it to become standby:
   ```
   init-card:loc=x
   ```

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

6. Enter the following command to copy the current and backup database partitions on the active fixed disk, to the current and backup database partitions on the standby fixed disk:

   ```
   chg-db:action=repair
   ```

   After the command is executed, the standby GPSM-II card reboots, the old database data is purged from memory, and the new database is loaded.

7. After the card has been reloaded (a message appears to confirm completion of the load), enter the following command to verify the database is consistent (same level as the other cards in the system):

   ```
   rept-stat-card
   ```

8. Enter the following command for each OAP terminal inhibited in *Step 2* on page 74:

   ```
   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. If the problem persists, contact the *Customer Care Center* on page 4.

Recovery procedure for a non-MASP card

CAUTION: Resetting, 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.

1. Wait five minutes to see if the card corrects itself.
2. If the problem persists, enter the following command to retrieve the terminal types and port numbers:

   ```
   rtrv-trm
   ```

3. Enter the following command to inhibit each OAP terminal displayed in the output from *Step 2* on page 75.

   ```
   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 to reinitialize the indicated card and force the card to load the current level of database.

   ```
   init-card:loc=x
   ```

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

0036 - Card backup database has been corrected

This message indicates that the backup database version level and content on the standby MASP is synchronized with the reference database.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0036    CARD 1113 OAM       Card backup database has been corrected
```

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.

0037 - Card backup database is inconsistent

This message indicates that the backup database version level and/or content on the MASP is not synchronized with the database on the active MASP. This typically occurs if a different level counter, last update day/time-stamp, or contents is detected, or the database is incoherent.

Example

```
  RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
* 0014.0037  * CARD 1113 OAM     Card backup database is inconsistent
```

Alarm Level: Minor

Recovery

1. Enter the following command to confirm both active and standby current databases contain correct and identical information (coherent and consistent):

   `rept-stat-db`

   The following is an example of the output from a coherent database.

```
> rept-stat-db
Command Accepted - Processing
oflnmoxa11w 00-10-08 15:56:40 CDT EAGLE 35.0.0
rept-stat-db
Command entered at terminal #4.
;
oflnmoxa11w 00-10-08 15:56:40 CDT EAGLE 35.0.0
DATABASE STATUS: >> OK <<
    TDM 1114 ( STDBY)                TDM 1116 ( ACTV )
       C   LEVEL    TIME LAST BACKUP     C   LEVEL    TIME LAST BACKUP
       - -------- --------------------  - -------- --------------------
FD BKUP  Y   342256 00-10-07 00:40:29 CDT  Y   342256 00-10-07 00:40:29 CDT
FD CRNT  N   342374                       Y   342375
    MDAL 1117
    - --------
```

2. Enter the following command to perform a backup (to fixed disk) of both active and standby databases:

   `chg-db:action=backup:dest=fixed`

0038 - Card backup database is corrupted

This message indicates that the backup database has been modified by some unknown process and is no longer usable.

Example

```
  RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
* 0014.0038  * CARD 1113 OAM       Card backup database is corrupted
```

Alarm Level: Minor

Recovery

1. Enter the following command to confirm that both active and standby current databases contain correct and identical information (coherent and consistent):

   `rept-stat-db`

   The following is an example of the output from a coherent database.

```
> rept-stat-db
Command Accepted - Processing
    oflnmoxa11w 00-10-08 15:56:40 CDT EAGLE 35.0.0
    rept-stat-db
    Command entered at terminal #4.
;
    oflnmoxa11w 00-10-08 15:56:40 CDT EAGLE 35.0.0
    DATABASE STATUS: >> OK <<
            TDM 1114 ( STDBY)                 TDM 1116 ( ACTV )
             C   LEVEL    TIME LAST BACKUP     C   LEVEL    TIME LAST BACKUP
             - -------- ---------------------  - -------- ------------------
    FD BKUP  Y   342256 00-10-07 00:40:29 CDT  Y   342256 00-10-07 00:40:29
CDT
    FD CRNT  N   342374                        Y   342375
            MDAL 1117
             - --------
```

2. Enter the following command to perform a backup (to fixed disk) of both active and standby databases:

   `chg-db:action=backup:dest=fixed`

0039 - GPL has been corrected

All copies of the generic program load are satisfactory.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0039    GPL SYSTEM OAM      GPL has been corrected
```

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.

0040 - GPL is corrupted

This message indicates that a generic program load (GPL) has become corrupted. This typically occurs when the system software detects that a generic program load has been unexpectedly modified.

Example

```
  RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
* 0100.0040  * GPL SYSTEM OAM      GPL is corrupted
```

Alarm Level: Minor

Recovery

1. Enter the following command to determine the status of the system generic program loads:
   `rtrv-gpl`
   This command indicates the generic program loads that have become corrupted.
2. Enter the command to reload the generic program load from a system removable cartridge.
   `chg-gpl`
   If the approved GPL is corrupted, insure that the trial GPL is the correct one using `rtrv-gpl` and activate it using the `act-gpl` command.

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.

0042 - LSMS bulk load complete

This message indicates that the alarm condition is removed, the association is reestablished, the LSMS is downloading transactions, and the automatic resynchronization is in progress.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0042  LSMS SYSTEM        LSMS bulk load complete
```

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.

0043 - Incorrect feature configuration

The HC MIM card is inserted into a slot that is provisioned for configurations not supported. The HC MIM card is also auto-inhibited by the OAM.

Example

```
   station1234 00-11-30 16:28:08 EST  EAGLE 35.0.0
** 0012.0043  **  CARD 1201  LIMT1  Incorrect feature configuration
                   HW VERIFICATION CODE: xxx
```

Alarm Level: Major

Recovery

Review hardware feature requirements and correct the configuration as necessary. The following configuration errors will cause the HC MIM card to auto-inhibit:

- The HC MIM will not support CAS on any E1 ports.

  Thus, any ports that are provisioned in this configuration will need to be changed.
- Due to temperature requirements of the HC Blade, the HC MIM must operate within a shelf that contains a fan tray.

Note: Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*. for details about replacing cards.

0044 - Real time clock battery low

The battery power in the HC MIM card is low.

Example

```
    station1234 00-11-30 16:28:08 EST  EAGLE 35.0.0
* 0012.0044 *   CARD 1201  LIMT1  Real time clock battery low
```

Alarm Level: Minor

Recovery

Replace the HC MIM card with a spare and call Tekelec for a RMA to send the card back to Tekelec for replacement.

Note: Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*. for details about replacing cards.

0045 - Real time clock battery restored

The HC MIM card has been replaced and the battery power in the HC MIM card is normal.

Example

```
station1234 00-11-30 16:28:08 EST  EAGLE 35.0.0
0012.0045    CARD 1201  LIMT1  Real time clock battery restored
```

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.

0046 - Terminal enabled

The indicated terminal has been returned to service and can handle normal user input and output.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0046    TERMINAL   15       Terminal enabled
```

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.

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
```

HW VERIFICATION CODE: xxx

Alarm Level: Major

Recovery

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

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

0048 - Terminal failed

The MASP has detected that the terminal is faulty. The maintenance software has removed the terminal from service.

Example

```
  RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
* 0014.0048  * TERMINAL   15       Terminal failed
```

Alarm Level: Minor

Recovery

1. Verify that the power to the terminal is on and that the terminal is physically connected to the control shelf backplane.

   If the fault does not clear, disconnect the terminal from the control shelf backplane and connect another terminal (with the same communication attributes as the old terminal) to the same port on the control shelf backplane.

2. Enter the following command to verify the communication attributes of the terminal port:

```
rtrv-trm
```

3. If the communication attributes need to be changed, refer to the *Commands Manual* and enter the following command with the appropriate parameters to make the required changes to the communication attributes:

   ```
   chg-trm
   ```

4. Terminals are connected to ports on the TDM card.

   Enter the following command to determine which ports are idle

   ```
   :rept-stat-user
   ```

5. Move the terminal to another port on the TDM card or on the backplane.

   If the fault does not clear, replace the TDM card. Refer to the *Maintenance* manual *Appendix A, 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 *Appendix A, Card Removal/Replacement Procedures*.

0052 - TSC sync feature is available

This indicates that the GPSM-II card(s) is now seated in the appropriate slot and is functioning correctly.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0052     CARD 1113  OAM   TSC sync feature is available
```

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.

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 *Appendix A, Card Removal/Replacement Procedures*..

0054 - Standby TDM failure cleared

This message indicates that the communication between the GPSM-II and TDM has been reestablished.

Example

```
station1234 94-03-30 16:28:08 EST EAGLE 35.0.0
0012.0054    CARD 1113 OAM         Standby TDM failure 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.

0055 - Persistent device state tbl corrupt

This message indicates that after attempting an automatic recovery from a first checksum error, a Persistent Device States (PDS) checksum error still exists in the standby System Configuration Manager (SCM). PDS features are disabled.

Example

```
  RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
* 0014.0055  * CARD 1115 OAM    Persistent device state tbl corrupt
```

Alarm Level: Minor

Recovery

1. Enter the following command to verify the status of the database:
   `rept-stat-db`
2. Enter the following command to update the PDS table.
   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. Enter the following command to verify the that the database is the same level as the active OAM:

```
rept-stat-db
```

4. If the problem persists, contact the *Customer Care Center* on page 4.

0056 - Persistent device state tbl diff version

This message indicates that the PDS table version in the standby SCM does not match the PDS table version in the active SCM. PDS features are disabled.

Example

```
  RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
* 0014.0056  * CARD 1115 OAM    Persistent device state tbl diff version
```

Alarm Level: Minor

Recovery

1. Enter the following command to verify the status of the database:
   ```
   rept-stat-db
   ```
2. Enter the following command to update the PDS table.
   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. Enter the following command to verify the that the database is the same level as the active OAM:
   ```
   rept-stat-db
   ```
4. If the problem persists, contact the *Customer Care Center* on page 4.

0057 - Persistent device state tbl corrected

This indicates that the This message indicates that a problem PDS table has been corrected.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0057     CARD 1115  OAM   Persistent device state tbl corrected
```

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.

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.

0060 - Minor customer trouble detected

A minor 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
* 0100.0060   * CDT 16          Minor customer trouble detected
```

Alarm Level: Minor

Recovery

Follow local procedures for clearing the indicated trouble.

0061 - Customer trouble detected

A customer trouble has been detected.

Example

```
RLGHNCXA21W 96:07:02 11:02:30  ESTEAGLE 35.0.0
0100.0061       CDT 11        Customer trouble detected
```

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

Recovery

This message indicates that a customer-defined trouble is detected. Follow local procedures to clear the trouble.

0062 - Customer trouble cleared

A customer trouble has been cleared.

Example

```
RLGHNCXA21W 96:07:02 11:02:30  EST EAGLE 35.0.0
0100.0062       CDT 11         Customer trouble cleared
```

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

Recovery

No action is necessary.

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, *Appendix B, 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, *Appendix B, Holdover Clock Troubleshooting Procedures* to perform the corrective action procedures.

0065 - Minor holdover clock trouble detected

A minor 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
   *  0100.0065    *  CLOCK         Minor holdover clock trouble detected
```

Alarm Level: Minor

Recovery

Check for any visual alarms.

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

0066 - Holdover clock trouble cleared

A problem with the holdover clock has been corrected.

Example

```
RLGHNCXA21W 96:07:02 11:02:30 EST EAGLE 35.0.0
0100.0066       CLOCK Holdover clock trouble cleared
```

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

Recovery

This message indicates that a problem with the holdover clock has been cleared.

0077 - Card temperature is critical lvl:T2

The HC MIM 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. 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 links blocked is re-directed elsewhere in the system (based on the current route provisioning).

1. Verify that the fan assembly located in that shelf is working properly.

   - 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).

- Replace any hardware in the fan assembly that is not functioning properly.
- Replace the fan tray only after checking power, fans, and control card.

  Contact the *Customer Care Center* on page 4 for assistance.

The hierarchy of maintenance activity is based on *Table 7: Maintenance Activity Hierarchy* on page 87. See *Maintenance* manual, *Appendix A, Card Removal/Replacement Procedures* for replacement procedures.

Table 7: 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
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.

Condition	Cntrl LED	FAN 1 LED	FAN 2 LED	FAN 3 LED	Alarm Status	Actions
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
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

Condition	Cntrl LED	FAN 1 LED	FAN 2 LED	FAN 3 LED	Alarm Status	Actions
						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

NOTES:

- *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) goes below the critical temperature threshold.
4. If this procedure did not clear the fault, contact the *Customer Care Center* on page 4.

0078 - Card temperature exceeds nominal lvl:T1

The HC MIM 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 links blocked is re-directed elsewhere in the system (based on the current route provisioning).

1. Enter the following command to verify the temperature threshold defaults are 75 degrees Celsius and 82 degrees Celsius:

   `rtrv-th-alm`

   If it is not, go to *Step 2* on page 90. If it is, go to *Step 3* on page 90.

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

   `chg-th-alm:thermallv1c=xxxx`

   where: *xxxx* is temperature.

3. Verify that the fan assembly located in that shelf is working properly.

   - 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).

   - Replace any hardware in the fan assembly that is not functioning properly.
   - Replace the fan tray only after checking power, fans, and control card.

     Contact the *Customer Care Center* on page 4 for assistance.

   The hierarchy of maintenance activity is based on *Table 8: Maintenance Activity Hierarchy* on page 91. See *Maintenance* manual, *Appendix A, Card Removal/Replacement Procedures* for replacement procedures.

Table 8: 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
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

Condition	Cntrl LED	FAN 1 LED	FAN 2 LED	FAN 3 LED	Alarm Status	Actions
						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
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

Condition	Cntrl LED	FAN 1 LED	FAN 2 LED	FAN 3 LED	Alarm Status	Actions
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

4. If the fan unit is working properly, employ additional cooling methods to the card reporting a high-operating emperature.
5. If the running temperature of the HC MIM exceeds its operational limit, UAM # 0077 is generated, and the links go into Local Processor Outage (LPO).

6. This Temperature Alarm will remain in the system until the operational temperature of the HC MIM card (HC Blade) returns to normal levels.
7. If performing the steps in this procedure did not clear the fault, contact the *Customer Care Center* on page 4 for assistance. .
8. If the threshold was changed in *Step 2* on page 90, enter the following command to reset the threshold to the original setting:

   `chg-th-alm:thermallv1c=xxxx`

   where: *xxxx* is temperature.

0079 - Card temperature again at nominal levels

The operational temperature of the HC MIM (HC Blade) has returned to normal levels.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0079 CARD 1102   LIMT1 Card temperature again at nominal levels
```

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.

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 *Appendix A, 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 *Customer Care Center* on page 4.

0083 - Fuse Panel alarm has cleared

This indicates that the fuse alarm has been cleared.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0083    FUSE PANEL  11xx    Fuse Panel alarm has 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.

0084 - IP Connection Unavailable

EDCMs running STC GPL: This message indicates that an IP application socket is out of service due to a IP link down (Ethernet problem) or due to the STC card.

DSM with ExAP: This indicates that an IP link is down. The link may be a DSM (Database Services Module) to MPS link.

Example

```
    RLGHNCXA03W 99-04-10 16:28:08 EST EAGLE 35.0.0
**  0046.0084  ** DLK 1217,B      IP Connection Unavailable
```

Alarm Level: Major

Recovery procedure for EDCMs running STC GPL

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 port is showing UAM0084, then this port is not getting the DHCP.

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 *Maintenance* manual, *Appendix A, Card Removal/Replacement Procedures*.

3. If the alarm is not cleared, contact the *Customer Care Center* on page 4.

Recovery procedure for DSM with ExAP

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 the associated ExAP may have a problem. If this is the case, go to *Step 8* on page 98.

4. Use the `netstat -I` command to determine if this port is up.

   1. If yes, IMF/ESP support should be involved to find out why this port is not getting the DHCP.
   2. If the concerned port is not up, then it could be a hardware issue, replace the card. See *Maintenance* manual, *Appendix A, Card Removal/Replacement Procedures*.

5. 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 192.168.121.100"` for 10 Megabit Network

   The following is an 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 localhost and the ip network has been verified.

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

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

6. If all of the DSMs are reporting IP connection unavailable, reboot the "primary" DSM card. If no primary card is available go to *Step 3* on page 98. 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.
7. Cycle the hubs between the MPS and the EAGLE STP.
8. Have either the customer or an Engineer from the LSMS/MPS group run a syscheck on the ExAP.

9. Have either the customer or an Engineer from the LSMS/MPS group switch activity on the ExAP.
10. Have the customer or an Engineer from the LSMS/MPS group stop and restart the software on the ExAP.
11. If the above steps do not clear the fault, contact the *Customer Care Center* on page 4.

When the IP connection recovers you will see a message similar to the following

```
UAM:


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

0085 - IP connection available

IP system: This message indicates that for an IPLIM or SS7IPGW link, one or more sockets have been opened for SS7 traffic.

EAGLE 5 ISS system: This indicates that a previously broken link with either the external OAP (external customer link) or between the DCM card and the OAP now exists and is functioning properly. This UAM is also used to indicate that a previously broken link between the EPAP and DSM card is now functioning properly.

Example

```
station1234 99-03-30 16:28:08 EST EAGLE 35.0.0
3582.0085    DLK 1217,B       IP Connection Available
```

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.

0086 - IP Connection Congested

This message indicates that an IP application socket is congested.

Note: IP Connection UAMs 0086 (Congested), 0535 (Restricted), and 0536 (Excess Retransmits) conditions can occur simultaneously. However, only one alarm per device can be displayed at a time. If two or more are present, the display of these alarms is prioritized as follows:

1. 0086 - IP Connection Congested
2. 0536 - IP Connection Excess Retransmits
3. 0535 - IP Connection Restricted

Example

```
RLGHNCXA03W 99-04-10 16:28:08 EST EAGLE 35.0.0.0
0046.0086  * IP7 LONGSOCKETNAME1 IP Connection Congested
```

Alarm Level: Minor

Recovery

1. Use your company procedures to check the network.

2. Reports on status can be obtained for each DCM card with the following commands:
   - `rept-stat-applsock` displays the status of the IP application sockets
   - `rept-stat-ls` displays the status of the MTP linksets
   - `rept-stat-slk` displays the status of the MTP signaling links
   - `pass:loc=xxxx:cmd="sockrtt"` displays the application socket statistical data
   - `pass:loc=xxxx:cmd="sockstate"` displays TALI state machine history for sockets
   - `pass:loc=xxxx:cmd="netstat -i"` displays TCP/IP network statistical information for all interfaces
   - `pass:loc=xxxx:cmd="netstat -p tcp"` displays TCP/IP network statistical information for the transmission control protocol
   - `pass:loc=xxxx:cmd="netstat -p udp"` displays TCP/IP network statistical information for the user datagram protocol
   - `pass:loc=xxxx:cmd="netstat -p ip"` displays TCP/IP network statistical information for the internet protocol
   - `pass:loc=xxxx:cmd="netstat -p icmp"` displays TCP/IP network statistical information for the internet control message protocol
   - `pass:loc=xxxx:cmd="netstat -m"` displays TCP/IP network statistical information for buffer pools
3. Contact the *Customer Care Center* on page 4.

0087 - IP Connection manually removed

This message indicates that an IP application socket has been manually removed from the system.

Example

```
RLGHNCXA03W 99-04-10 16:28:08 EST EAGLE 35.0.0.0
0046.0087    IP7 LONGSOCKETNAME1 IP Connection manually removed
```

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

Recovery

No action necessary.

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 a hardware failure in the GPSM-II.

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 GPSM-II card by entering the following command:

   `rept-stat-card:loc=xxxx`

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

2. Reseat the GPSM-II card.
3. If the problem persists, replace the GPSM-II card.
   Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*..

0089 - Clocks A and B TSCs are resynchronized

A previous GPSM-II card fault is cleared.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0089    CARD 1113 EOAM    Clocks A and B TSCs are resynchronized
```

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.

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 following command:
   `rept-stat-card:loc=x`

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

0093 - MDAL alarm cleared

A previous maintenance disk and alarm card (MDAL) card fault is cleared.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0093    CARD 1117 MDAL       MDAL 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.

0096 - Card has been reloaded

The indicated card has been reinitialized and reloaded with the appropriate data. This occurs as a result of a manual reset or software maintenance intervention.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0096    CARD 1218 SS7ANSI   Card has been reloaded
```

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

Recovery

Look for other reports associated with the indicated card.

If an obituary report exists, the card malfunctioned. If this happens continuously, replace the defective card. If this is only an occasional condition, contact the *Customer Care Center* on page 4. Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*.

0097 - IMT allowed

The IMT bus has been returned to service.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0097    IMT SYSTEM            IMT allowed
             Card 1101, 1102, 1107, 1108
```

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

0098 - IMT inhibited

The IMT bus has been removed from service by using the `rmv-imt:bus=x` command. The bus is no longer available to carry traffic.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0098    IMT SYSTEM        IMT inhibited
             Card 1101, 1102, 1107, 1108
```

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

Recovery

1. Verify the bus is not inhibited for maintenance purposes.

   If the bus has been inhibited for maintenance purposes, consult with the technician responsible before placing it back into service.

CAUTION: The IMT bus should not be left inhibited, as this may affect system performance.

2. If the IMT bus has not been inhibited for maintenance, or the maintenance is complete, enter the following command to place the IMT back into service:

   `rst-imt:bus=x`

   where *x* is the IMT bus to be returned to service.

0099 - Incompatible HW for provisioned slot

An MPL card is in a slot provisioned as a DCM card running either IPLIM, IPLIMI, or SS7IPGW GPLs. 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) Go to *Auto-Inhibit Hardware Verification Codes* on page 675 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 'HW VERIFICATION CODE: xxx', perform either of the following steps:
   a) Replace the MPL card with a DCM card.

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

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

      Refer to the Database *Administration Manual* - SS7 for the correct procedures.

0102 - Motherboard BIP invalid

The motherboard in the location indicated has an invalid Board ID Prom (BIP).

Example

```
  RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
* 0014.0102  * CARD 1201 SS7ANSI   Motherboard BIP invalid
```

Alarm Level: Minor

Recovery

1. The indicated card must be reprogrammed.

   Contact the *Customer Care Center* on page 4. You will need to know the part number, revision level, and serial number of the card.

2. The card can be reprogrammed with instructions from Tekelec Technical Services, or Tekelec Technical Services can dial into the system and reprogram the card remotely.

0103 - Motherboard BIP valid

The Board ID Prom (BIP) for the specified motherboard is correctly programmed.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0103    CARD 1201 SS7ANSI   Motherboard BIP valid
```

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.

0106 - IMT Bus alarm cleared

The specified IMT bus has recovered from a fault.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0106    IMT BUS A          IMT Bus alarm cleared
             Card 1101, 1102, 1107, 1108
```

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.

0107 - Minor IMT failure detected

A minor fault has been detected on one of the IMT buses. A minor fault consists of at least one card fault but no more than two card faults.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
*  0100.0107  * IMT BUS A               Minor IMT failure detected
                Card 1101, 1102
```

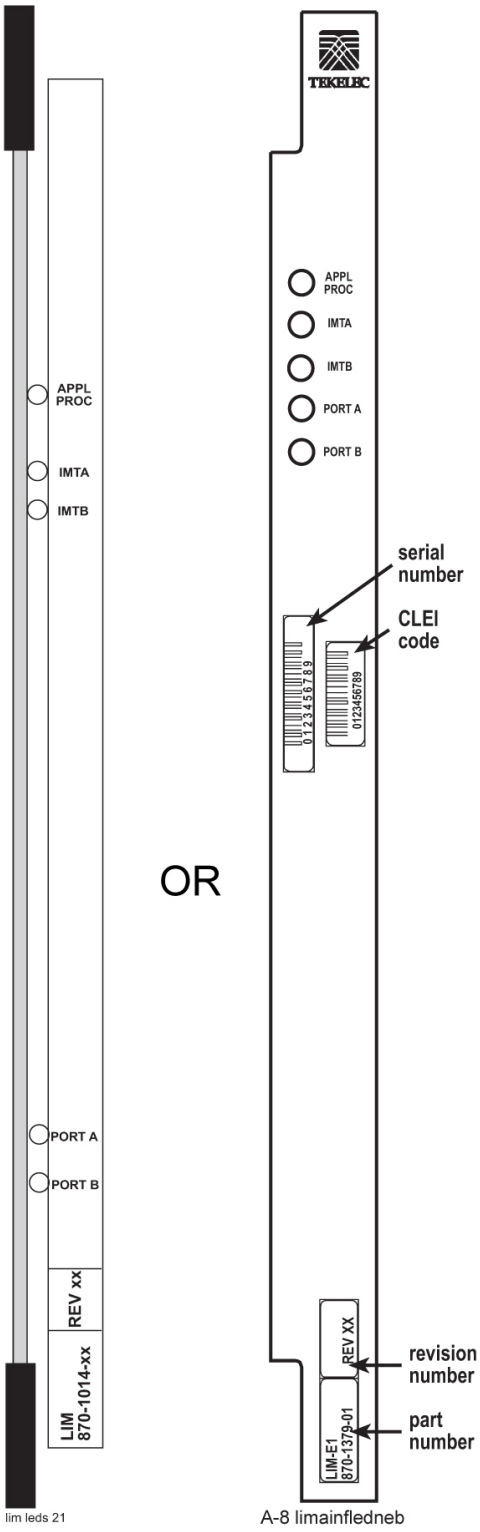
Alarm Level: Minor

Recovery

1. Visually check the IMT LEDS 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: Card LEDs* on page 105.

Figure 3: Card LEDs



2. Note the card location or locations for cards with a red LED(s).
3. Using the card location(s) noted in *Step 2* on page 106, enter the following command to connect the card back to the IMT:

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

where *xis 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
```

4. If the fault does not clear, reseat the affected card.

   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.

5. If the fault does not clear, replace the affected card.
6. If the fault does not clear, replace the IPMX card servicing the affected card.

   WARNING: 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.) Do not perform this step if the other bus also has a fault. contact the *Customer Care Center* on page 4.

7. 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.
8. If these steps do not clear the fault, contact the *Customer Care Center* on page 4.

   Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement 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:

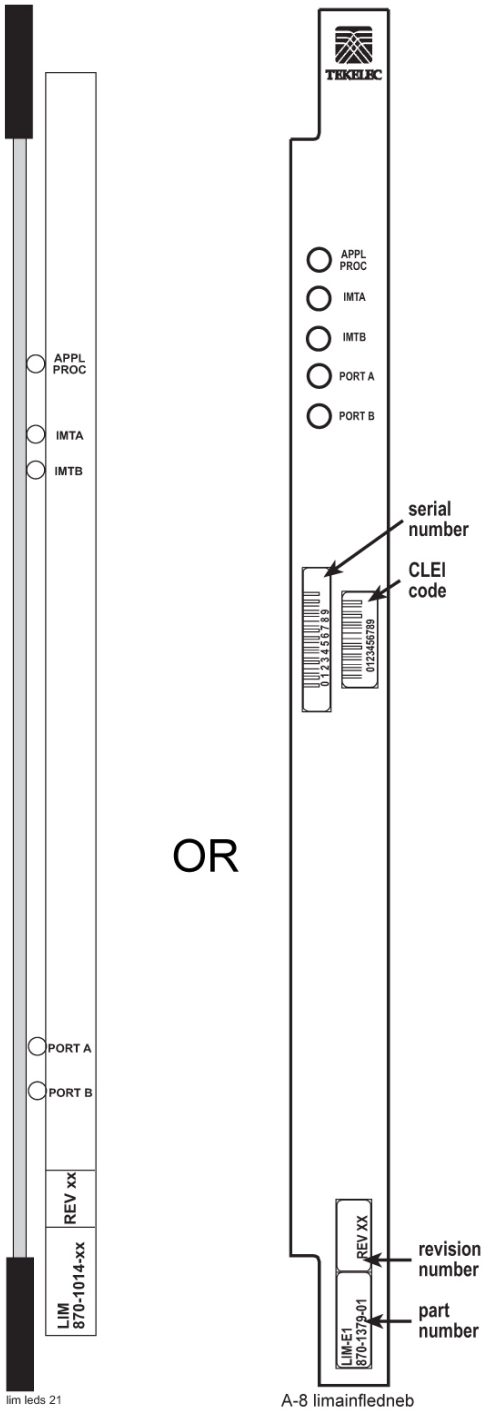
   `rept-stat-imt`

   If the entire IMT is down, continue with *Step 6* on page 109

2. Visually check the IMT LEDS 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 4: Card LEDs* on page 107.

   Figure 4: Card LEDs



3. Note the card location or locations for cards with a red LED(s).
4. Using the card location(s) noted in *Step 3* on page 108, 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 following 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. *Step 8* on page 109 must be completed once *Step 6* on page 109 is performed. If the technician has any questions about using this command, contact the *Customer Care Center* on page 4.

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, *Step 8* on page 109 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 IMTB.)

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 *Customer Care Center* on page 4.

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

0109 - All IMT System level alarms cleared

Both IMT busses are functioning.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0109    IMT SYSTEM           All IMT System level alarms 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.

0110 - Failure detected on one IMT bus

A fault has been detected on one IMT bus.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
*  0100.0110  * IMT SYSTEM          Failure detected on one IMT bus
```

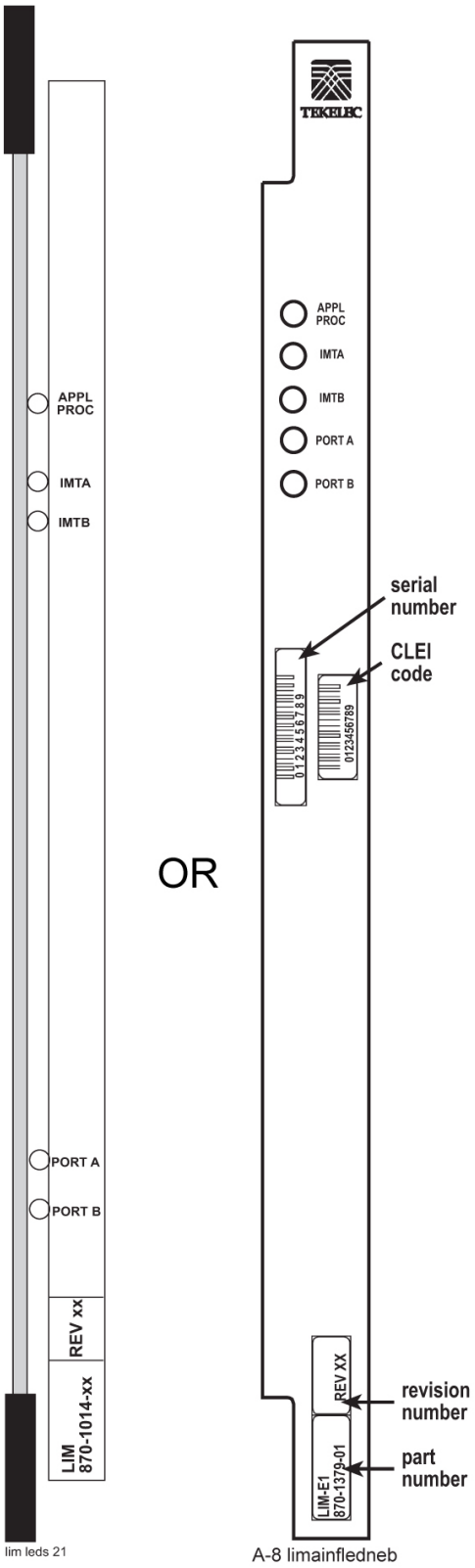
Alarm Level: Minor

Recovery

1. Visually check the IMT LEDS 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 5: Card LEDs* on page 110.

   Figure 5: Card LEDs



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

3. Using the card location(s) noted in *Step 2* on page 111, connect the card back to the IMT with the command `conn-imt`.

   For example, enter:

   ```
   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
   ```

4. If the connection command is successful, the following message appears:

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

5. If the connection command is not successful and the fault does not clear, reseat the card

   WARNING: Resetting, 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.

6. If the fault does not clear, replace the affected card.
7. If the fault does not clear, replace the IPMX card servicing the affected card.

   WARNING: 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.) Do not perform this step if the other bus also has a fault. contact the *Customer Care Center* on page 4.

8. 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.
9. If these steps do not clear the fault, contact the *Customer Care Center* on page 4.

   Refer to the *Maintenance* manual *Appendix A, 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 *Customer Care Center* on page 4.

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 *Customer Care Center* on page 4.

0113 - Clock alarm(s) cleared

All primary and secondary clock sources are functioning.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0113    CLOCK SYSTEM        Clock alarm(s) 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.

0115 - Linkset IP TPS threshold exceeded

This message indicates that the actual linkset transaction rate exceeds the provisioned linkset IPGWx TPS.

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 the following command to display the current and peak IPGWx TPS utilization of the linkset specified in the output: `rept-stat-iptps`

   Following is an 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. Refer to the *Commands Manual* to interpret the output.

   If the linkset has adequate bandwidth, then the IP TPS for the linkset can be increased (using the `chg-ls` command), provided the current IPGWx system IP TPS setting allows for this. The IP TPS LS 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.

0116 - Link expected IP TPS threshold exceeded

This message indicates *that the actual link transaction rate is approaching the link's fair share* of provisioned linkset capacity.

Example

```
  RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
* 0014.0116  * SLK 1104,A LSA01   Link expected IP TPS threshold exceeded
               SLC=01   FECLLI=A1234567890
```

Alarm Level: Minor

Recovery

1. Enter the following command to display the current and peak IPGWx TPS utilization of the linkset specified in the output:

   `rept-stat-iptps:lsn=xxxxxx`

   where *xxxxxx* is the linkset name as defined in the output.

   Following is an 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
    ------------------------------------------------------------------
    LSN
    LSGW1101     100%  188000  TX:    800      800  03-05-05 09:49:19
                               RCV:   800      800  03-05-05 09:49:19
    ------------------------------------------------------------------
    LOC  PORT
    1101    A     80%    ----  TX:    800      800  03-05-05 09:49:19
                               RCV:   800      800  03-05-05 09:49:19
    1103    A     80%    ----  TX:    800      800  03-05-05 09:49:19
                               RCV:   800      800  03-05-05 09:49:19
    ------------------------------------------------------------------
    Command Completed.
;
```

2. Refer to the *Commands Manual* to interpret the output.

   If the linkset has adequate bandwidth, then the IP TPS for the linkset can be increased (using the `chg-ls` command), provided the current IPGWx system IP TPS setting allows for this. The IP TPS SLK alarm threshold percent (*slkusealm*) can also be adjusted if allowed by the current

setting. If the linkset does not have adequate bandwidth, then more links are required to correct the problem.

0118 - Linkset IP TPS normal

This message indicates the total usage for the linkset TPS rate has fallen below the configured linkset TPS rate.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0118      LSN lsgw1103   Linkset IP TPS normal
```

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.

0119 - Link IP TPS normal

This message indicates the total usage for the linkset exceeds the linkset threshold for the linkset's IP TPS.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0119    SLK 1104,A LSA01   Link IP TPS normal
             SLC=01   FECLLI=A1234567890
```

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.

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 *Appendix A, Card Removal/Replacement Procedures*..
5. If the fault still does not clear, contact the *Customer Care Center* on page 4.

0130 - Card successfully loaded with data

The indicated card has been reloaded by the system with the appropriate GPL and tables.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0130    CARD 1304 SCCP      Card successfully loaded with data
```

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.

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 *Customer Care Center* on page 4.

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`
   The following is an example of 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* for resolving database inconsistencies.
4. If the problem still exists, contact the *Customer Care Center* on page 4.

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 *Customer Care Center* on page 4.

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 *Customer Care Center* on page 4. 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 Tekelec Technical Services, or Tekelec Technical Services 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 *Customer Care Center* on page 4.

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 *Customer Care Center* on page 4.

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 *Customer Care Center* on page 4.

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 *Customer Care Center* on page 4.

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 *Customer Care Center* on page 4.

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 *Appendix A, Card Removal/Replacement Procedures*..

3. If this message appears again, contact the *Customer Care Center* on page 4.

0142 - System release alarm cleared

The SYSREL.SYS file has been installed on the active fixed disk and the alarm has been cleared.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0142    GPL SYSTEM OAM     System release alarm clea
```

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.

0143 - System release GPL(s) not approved

This message indicates that one or more approved GPLs do not match the version specified in the SYSREL.SYS file.

Example

```
  RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
* 0014.0143  * GPL SYSTEM OAM       System release GPL(s) not approved
```

Alarm Level: Minor

Recovery

1. Use the `rtrv-gpl` command to display the GPLs on the system.

   The output of the `rtrv-gpl` command can be used to identify the GPLs that do not match the versions specified in the SYSREL.SYS file.
2. Use the `chg-gpl` command to upload the required version of the GPL.
3. Use the `act-gpl` command to make the uploaded GPL the approved GPL.

0144 - System release version unknown

This message indicates that a failure has occurred while accessing the SYSREL.SYS file. Either the SYSREL.SYS file could not be found on the active fixed disk or has become corrupted and is not accessible.

Example

```
  RLGHNCXA21W 00-12-07 12:01:43 EST
* 0014.0144  * GPL SYSTEM OAM       System release version unknown
```

Alarm Level: Minor

Recovery

1. Insert the system removable cartridge containing the SYSREL.SYS file into the maintenance disk and alarm card (MDAL).
2. Enter the following command to upload the SYSREL.SYS file from the system removable cartridge to the active fixed disk:

```
chg-gpl:appl=utility
```

3. If this message appears again, contact the *Customer Care Center* on page 4.

0145 - HS Clock A for card failed, B normal

This indicates that the High Speed clock A signal for the indicated card is not present.

Example

```
  station1234 99-03-05 16:28:08 EST  EAGLE 31.6.0
* 0053.0145    * CARD 1115 OAM   HS Clock A for card failed, B normal
```

Alarm Level: Minor

Recovery

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

   The output indicates how many cards are using the specified clock, and how many cards are reporting fault with the specified clock.

   Following is an example of the possible 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.
;
```

CAUTION: Resetting, reseating, or replacing a card 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.

2. If only one card is reporting fault, reset the card.
3. If the fault has not cleared, reseat the card.
4. If the fault has not cleared, replace the card.

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

5. If the fault still has not cleared, replace the TDM card in MASP A.

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

6. If more than one card is reporting fault with the designated clock, check the clock cable connection at the shelf backplane (refer to the *Installation Manual* for cable location).

   If the clock cable is at fault, replace the clock cable.

7. 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.

0146 - HS Clock B for card failed, A normal

This indicates that the High Speed clock B signal for the indicated card is not present.

Example

```
  station1234 99-03-05 16:28:08 EST  EAGLE 31.6.0
* 0053.0146    * CARD 1115 OAM   HS Clock B for card failed, A normal
```

Alarm Level: Minor

Recovery

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

   The output indicates how many cards are using the specified clock, and how many cards are reporting fault with the specified clock.

   Following is an example of the possible 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.
;
```

CAUTION: Resetting, reseating, or replacing a card 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.

2. If only one card is reporting fault, reset the card.

3. If the fault has not cleared, reseat the card.
4. If the fault has not cleared, replace the card.

   Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*..
5. If the fault still has not cleared, replace the TDM card in MASP B.

   Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*..
6. If more than one card is reporting fault with the designated clock, check the clock cable connection at the shelf backplane (refer to the *Installation Manual* for cable location).

   If the clock cable is at fault, replace the clock cable.
7. 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.

0147 - High Speed Clocks A and B for card failed

The High Speed A and B clock sources for the indicated card are not present.

Example

```
  station1234 99-03-05 16:28:08 EST  EAGLE 31.6.0
* 0053.0147  * CARD 1115 OAM   High Speed Clocks A and B for card failed
```

Alarm Level: Minor

Recovery

1. Use the `rept-stat-clk` command to determine the status of the clocks.

   The output indicates how many cards are using one of the specified clocks, and how many cards are reporting faults.

   Following is an example of the possible 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.
;
```

CAUTION: Resetting, reseating, or replacing a card 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.

2. If only one card is reporting fault, reset the card.
3. If the fault has not cleared, reseat the card.
4. If the fault has not cleared, replace the card.

   Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*..
5. If the fault still has not cleared, replace the TDM card in MASP B.

   Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*..
6. If more than one card is reporting fault with the designated clock, check the clock cable connection at the shelf backplane (refer to the *Installation Manual* for cable location).

   If the clock cable is at fault, replace the clock cable.
7. 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.

0148 - High Speed Clock A for card normal

This indicates that the High Speed clock A signal for the indicated card has returned to a normal, functional state.

Example

```
station1234 99-03-05 16:28:08 EST  EAGLE 31.6.0
0053.0148     CARD 1115 OAM   High Speed Clock A for card normal
```

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.

0149 - High Speed Clock B for card normal

This indicates that the High Speed clock B signal for the indicated card has returned to a normal, functional state.

Example

```
station1234 99-03-05 16:28:08 EST  EAGLE 35.0.0
0053.0149    CARD 1115 OAM      High Speed Clock B for card normal
```

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.

0150 - STPLAN is available

This message indicates that the application communication modules (ACMs) are in service with no failure conditions.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0150    SLAN SYSTEM       STPLAN is available
```

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

Recovery

No further action is necessary.

0151 - STPLAN capacity normal,card(s) abnormal

This message indicates that one or more application communication modules (ACMs) are out of service, but the STPLAN capacity of the system is within acceptable limits.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0151    SLAN SYSTEM    STPLAN capacity normal,card(s) abnormal
```

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

Recovery

1. Enter the following command to determine which ACMs are out of service:

   `rept-stat-slan`

   Following is an 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. Use the `rept-stat-slan` command again to determine if the card(s) have returned to IS-NR. If not, reseat the card(s).
4. If any card(s) remain OOS-MT, replace the card(s).
   Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*..

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`

   Following is an 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*..

0154 - STPLAN is removed

This message indicates that the last application communication module (ACM) has been deleted from the database by the user. The STPLAN service is no longer available.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0154    SLAN SYSTEM      STPLAN is removed
```

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

Recovery

This message is the result of database administration, and does not indicate an alarm condition.

Note: Confirm that the STPLAN removal was intentional.

0155 - STPLAN connection unavailable

This message indicates that the TCP/IP connection to the remote host is lost. The physical connection may be faulty or the remote host is not accepting a TCP/IP connection.

Example

```
  RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
* 0014.0155  * DLK 1104,A STPLAN     STPLAN connection unavailable
```

Alarm Level: Minor

Recovery

1. Determine if the reported card is out of service using the `rept-stat-card` command.
   If card is not OOS-MT, proceed to *Step 3* on page 127.
2. If 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 *Appendix A, Card Removal/Replacement Procedures*..
3. Use the `rtrv-ip-node` command to identify the address and node of the remote host.
4. Use the `tst-dlk` command to test the TCP/IP connection.
5. If the `tst-dlk` test passes, check that the proper port designation is set at the remote host.
6. If `tst-dlk` 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 system and at the remote host.

7. If the fault is not cleared, contact the *Customer Care Center* on page 4.

0156 - STPLAN connection available

This message indicates that the TCP/IP connection to the host is established. All failures have been cleared.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0156    DLK 1104,A STPLAN      STPLAN connection available
```

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

Recovery

This message indicates that a previous failure has been cleared.

No further action is necessary.

0157 - X25 logical channels available

This message indicates that X.25 logical channels are available. An "X25 no logical channels available" condition (message number 0158) has been cleared.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0157    SLK 1104,A LSA01      X25 logical channels available
             SLC=01   FECLLI=A1234567890
```

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

Recovery

This message indicates that an "X25 no logical channels available" condition has been cleared.

No further action is necessary.

0158 - X25 no logical channels available

This message indicates that no X.25 logical channels are available to make an outgoing call. This condition occurs when the combination of incoming (end user- initiated) and outgoing (system-initiated) calls exceed the total number of SVCs configured for the link.

Example

```
  RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
* 0014.0158  * SLK 1104,A LSA01    X25 no logical channels available
               SLC=01   FECLLI=A1234567890
```

Alarm Level: Minor

Recovery

1. Correct any under-provisioning of a link or correct condition of excessive calls from user end of the network.

   Link provisioning changes must take place at both ends of the X.25 link.

2. At the EAGLE 5 ISS end of the X.25 link, use the `chg-x25-slk` command to change the number of SVCs configured.

0159 - High Speed Clocks A and B for card normal

The High Speed A and B clock sources for the indicated card are now functioning normally.

Example

```
station1234 99-03-05 16:28:08 EST  EAGLE 35.0.0
0053.0159    CARD 1115 OAM   High Speed Clocks A and B for card normal
```

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.

0160 - 1116-S clock failed

This message indicates the secondary BITS clock failed on the TDM card in slot 1116.

Example

```
  RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
* 0014.0160  * CLOCK SYSTEM    1116-S clock failed
```

Alarm Level: Minor

Recovery

1. Use the `rept-stat-clk` command to determine the current clock status.
   Following is an 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   = -----
SECONDARY BITS = Idle         SECONDARY BITS = -----
                              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. The primary BITS clock should be active.
   Reseat the TDM card in slot 1116.
3. If the problem persists, replace the TDM card.
   Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*..

0161 - 1116-P clock failed

This message indicates that the primary clock on the TDM card in slot 1116 failed.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
*  0014.0161  * CLOCK SYSTEM    1116-P clock failed
```

Alarm Level: Minor

Recovery

1. Use the `rept-stat-clk` command to determine the current clock configuration.
   Following is an 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   = Idle       PRIMARY BITS   = Fault
SECONDARY BITS = Active     SECONDARY BITS = Active
                              PST           SST       AST
SYSTEM CLOCK                  IS-NR         Idle      ------
# Cards using CLK A = 0     # Cards with bad CLK A = 0
# Cards using CLK B = 8     # Cards with bad CLK B = 0
# Cards using CLK I = 0
Command Completed
```

2. The system automatically reverts from the primary to secondary BITS if the primary clock fails.
   Reseat the TDM card in slot 1116.
3. If the problem persists, replace the TDM card in slot 1116.
   SRefer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*..

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.
   Following is an 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 *Appendix A, Card Removal/Replacement Procedures*..

0163 - 1114-S clock failed

This message indicates the secondary BITS clock for the TDM card in slot 1114 has failed.

Example

```
    RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
*   0014.0163  * CLOCK SYSTEM    1114-S clock failed
```

Alarm Level: Minor

Recovery

1. Use the `rept-stat-clk` command to determine the current clock configuration.
   Following is an 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. The primary BITS clock should be active.
   Reseat the TDM card in slot 1114.
3. If the problem persists, replace the TDM card in slot 1114.
   Refer to the *Maintenance* manual *Appendix A, 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.
   Following is an 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 *Customer Care Center* on page 4.

0165 - 1114-S, 1116-P clocks failed

This message indicates the secondary BITS clock on the TDM card in slot 1114, and the primary BITS clock on the TDM card in slot 1116 have failed.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
*  0014.0165  * CLOCK SYSTEM    1114-S, 1116-P clocks failed
```

Alarm Level: Minor

Recovery

1. Use the `rept-stat-clk` command to determine the current clock configuration.
   Following is an 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, replace the TDM card(s).
   Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*..
4. If this message appears again, contact the *Customer Care Center* on page 4.

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.
   Following is an 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).
   SRefer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*..

0167 - 1114-P clock failed

This message indicates the primary BITS clock on the TDM card in slot 1114 has failed.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
*  0014.0167  * CLOCK SYSTEM    1114-P clock failed
```

Alarm Level: Minor

Recovery

1. Use the `rept-stat-clk` command to determine the current clock configuration.
   Following is an 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 BITS clock.
3. If the reference clock is still not functioning, replace the TDM card.
   Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*..

0168 - 1114-P, 1116-S clocks failed

This message indicates the primary BITS clock on the TDM card in slot 1114, and the secondary BITS clock on the TDM card in slot 1116 have failed.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
*  0014.0168  * CLOCK SYSTEM    1114-P, 1116-S clocks failed
```

Alarm Level: Minor

Recovery

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

Following is an 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 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*..

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.
   Following is an 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 *Appendix A, 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.
   Following is an 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.
   Following is an 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 *Appendix A, 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.
   Following is an 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.
   Following is an 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*..

0174 - %full threshold reached -upload required

This alarm is part of the Security Logging feature. When the security log reaches a threshold (administered by the `chg-attr-seculog` command), this alarm is raised. If the system detects that the percent full condition of new entries has reached the threshold, this alarm is raised to alert the system administrator that the security log must be uploaded to avoid an overflow condition. If the log is not uploaded before the log is completely full, entries will be lost. When the security log is uploaded, the alarm is lowered.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
*  0014.0174    *SECULOG 1114  %full threshold reached - upload required
```

Alarm Level: Minor

Recovery

Note: This alarm appears only on the security administrator terminal.

1. To clear this alarm, you must copy the security log to the file transfer area (FTA) in the system.
   To do this, enter the `copy-seculog` command.
2. From the file transfer area, you can use the `act-file-trns` command to transfer the file to a remote PC.
   Follow local procedures for transferring and storing security logs.

0175 - LOGBUFROVFL-SECULOG - upload required

This alarm is part of the Security Logging feature. When the security log reaches a threshold (administered by the `chg-attr-seculog` command) UAM 174 is raised. When the log fills completely, new entries are lost and this alarm is raised. When the security log is uploaded, this alarm is lowered.

Example

```
  RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
* 0014.0175    *SECULOG 1114  LOGBUFROVFL-SECULOG - upload required
```

Alarm Level: Minor

Recovery

Note: This alarm appears only on the security administrator terminal.

1. To clear this alarm, you must copy the security log to the file transfer area (FTA) in the system.
   To do this, enter the `copy-seculog` command.
2. From the file transfer area, you can use the `act-file-trns` command to transfer the file to a remote PC.
   Follow local procedures for transferring and storing security logs.

0176 - Stdby security log - upload required

This alarm is part of the Security Logging feature. All of the security log entries should be written to the active MASP and none to the standby MASP. However, should a problem occur and the standby MASP switches to active, the security logs are split between the two MASPs. If there are any new log entries on the standby MASP, the standby log should be uploaded.

Example

```
  RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
* 0014.0176    *SECULOG 1116  Stdby security log - upload required
```

Alarm Level: Minor

Recovery

Note: This alarm appears only on the security administrator terminal.

Enter the following command to clear this alarm and copy the security log to the file transfer area (FTA) in the system: `copy-seculog:slog=stb`

0177 - Security log exception cleared

This alarm is part of the Security Logging feature and indicates that a previous alarm has been cleared by doing one of the following:

- uploading the security log to the file transfer area
- turning off the security logging feature
- raising the threshold for the number of log entries that will generate UAM 174

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0177     SECULOG 1114            Security log exception cleared
```

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

Recovery

Note: This alarm appears only on the security administrator terminal.

This message indicates a previous fault has been corrected.

No further action is necessary.

0178 - Security log failed

This alarm is part of the Security Logging feature and indicates that a command could not be recorded in the security log.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0178      SECULOG 1114       Security log failed
```

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

Recovery

Note: This alarm appears only on the security administrator terminal.

This message indicates a logging failure has occurred.

If the problem persists, check for other alarms, such as a disk failure, and troubleshoot that alarm.

0179 - NDC Q.3 association is unavailable

The NDC (network data collection) association is established and maintained by the NDC manager. Under some conditions, the NDC agent will drop the NDC association. Typically the conditions that cause this alarm are accompanied by their own additional alarms (such as UAM 0084, “IP connection unavailable”).

Example

```
   station1234 99-03-30 16:28:08 EST  EAGLE 35.0.0
** 0014.0179    EMAP       NDC Q.3 association is unavailable
```

Alarm Level: Major

Recovery

1. If association loss is accompanied by UAM 0084, "IP connection unavailable," consult corrective action for that UAM (see *0084 - IP Connection Unavailable* on page 95 for details).
2. If no other alarms are generated with this alarm, check the EMAP network event log for unusual network activity.
3. Check the NDC manager for normal operation or association status.
4. If the above steps do not clear the fault, contact the *Customer Care Center* on page 4.

0180 - NDC Q.3 association is available

This indicates that a previous NDC association loss is reestablished and functioning properly.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0178      SECULOG 1114       Security log failed
```

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.

0181 - NDC Subsystem is not available

End-to-end connectivity between the system and the NDC Subsystem is down. The following conditions represent end-to-end loss of connectivity:

- Failure of both DCMs
- Failure of both DCM-to-EMAP links
- Failure of both EMAPs
- Failure of both IP links

Example

```
   station1234 99-03-30 16:28:08 EST  EAGLE 35.0.0
*C 3539.0181  *C   NDC SYSTEM         NDC Subsystem is not available
```

Alarm Level: Critical

Recovery

1. Check the physical connections between the EMAP and the NDC.
   Make sure the connectors are firmly seated.
2. Check the physical connections between the EMAP and the DCM cards on the system.
   Make sure the connectors are firmly seated.
3. Enter the following command to verify the status of the NDC:
   `rept-stat-ndc`
   A sample output follows:

```
;
RLGHNCXA3W 99-06-24 14:33:57 EST EAGLE 35.0.0.0
    NDC SUBSYSTEM REPORT    OOS-MT         Fault      -----
```

```
   NDC Cards Configured= 2  Cards IS-NR= 2
   CARD   VERSION      TYPE      APPL       PST             SST     AST
 ------------------------------------------------------------------------

   1215   219-009-000   DCM       EMDC       IS-NR         Active  -----
   DCM A IP CONNECTION                       IS-NR         Avail   -----
   EMAP A IP CONNECTION                      -----         -----   -----
   EMAP A NDC Agent                          -----         -----   -----
   EMAP A GPL version  = -----------
   1217   219-009-000   DCM      EMDC        IS-NR         Idle    -----
   DCM B IP CONNECTION                       IS-NR         Avail   -----
   EMAP B IP CONNECTION                      -----         -----   -----
   EMAP B NDC Agent                          -----         -----   -----
   EMAP B GPL version  = -----------
   EMAP  NDC Q3 Association                  -----         -----   -----
   DCM-DCM IP CONNECTION                     IS-NR         Avail   -----
   EMAP-EMAP Serial Connection               -----         -----   -----
   ALARM STATUS
   3538.0179  * EMAP          NDC Q.3 association is Unavailable
   3537.0084 ** EMAP A        IP Connection Unavailable
   3536.0084 ** EMAP B        IP Connection Unavailable
   3539.0181 *C NDC SYSTEM    NDC Subsystem is not available
   Command Completed.
;
```

Refer to the *Commands Manual* to interpret the output.

4. Using the output from *Step 3* on page 140, resolve the UAMs listed under ALARM STATUS using their respective UAM procedures.
5. If the problem is still not corrected, reseat the DCM card.

   If the EMAP still does not respond, replace the DCM card. Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*..
6. Enter the following command to verify the status of the NDC:

   `rept-stat-ndc`

   Refer to *Step 3* on page 140 for a sample output.
7. If the NDC is still not available, contact the *Customer Care Center* on page 4.

0182 - NDC Subsystem is available

This indicates that the previously severed connection between the system and the NDC OS is now functioning properly.

Example

```
station1234 99-03-30 16:28:08 EST  EAGLE 35.0.0
3539.0182    NDC Subsystem    NDC Subsystem is available
```

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.

0183 - 1116-SHS clock failed

This message indicates that the secondary E1/T1 High Speed clock has failed for the TDM card located in slot 1116.

Example

```
   station1234 99-03-05 16:28:08 EST  EAGLE 31.6.0
*  0052.0183  * HS CLOCK SYSTEM  1116-SHS clock failed
```

Alarm Level: Minor

Recovery

1. Use the `rept-stat-clk` command to determine the current clock configuration.
   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. Reseat the TDM card in slot 1116.
3. If the problem persists, replace the TDM card in slot 1116.
   Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*..

0184 - 1116-PHS clock failed

This message indicates that the primary E1/T1 High Speed clock has failed for the TDM card located in slot 1116.

Example

```
   station1234 99-03-05 16:28:08 EST  EAGLE 31.6.0
*  0052.0184  * HS CLOCK SYSTEM  1116-PHS clock failed
```

Alarm Level: Minor

Recovery

1. Use the `rept-stat-clk` command to determine the current clock configuration.
   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. Reseat the TDM card in slot 1116.
3. If the problem persists, replace the TDM card in slot 1116.
   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.
   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. Reseat the TDM card in slot 1116.
3. If the problem persists, replace the TDM card in slot 1116.

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

0186 - 1114-SHS clock failed

This message indicates that the secondary E1/T1 High Speed clock has failed for the TDM card located in slot 1114.

Example

```
   station1234 99-03-05 16:28:08 EST  EAGLE 31.6.0
*  0052.0186  * HS CLOCK SYSTEM  1114-SHS clock failed
```

Alarm Level: Minor

Recovery

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

   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. Reseat the TDM card in slot 1114.
3. If the problem persists, replace the TDM card in slot 1114.
   Refer to the *Maintenance* manual *Appendix A, 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.
   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. Follow local procedures to troubleshoot and repair the secondary E1/T1 High Speed clock.
3. If this message appears again, contact the *Customer Care Center* on page 4.

0188 - 1114-SHS, 1116-PHS 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

Example

```
   station1234 99-03-05 16:28:08 EST  EAGLE 31.6.0
*  0052.0188  * HS CLOCK SYSTEM  1114-SHS, 1116-PHS clocks failed
```

Alarm Level: Minor

Recovery

1. Use the `rept-stat-clk` command to determine the current clock status.
   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. Follow local procedures to troubleshoot and repair the E1/T1 High Speed clocks.
3. If this message appears again, contact the *Customer Care Center* on page 4.

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.
   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. 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*..

0190 - 1114-PHS clock failed

This message indicates the primary High Speed clock for the TDM card in slot 1114 has failed.

Example

```
   station1234 99-03-05 16:28:08 EST  EAGLE 31.6.0
*  0052.0190  ** HS CLOCK SYSTEM 1114-PHS  clock failed
```

Alarm Level: Minor

Recovery

1. Use the `rept-stat-clk` command to determine the current clock configuration.
   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. Follow local procedures to troubleshoot and repair the E1/T1 High Speed clock.
3. If the clock is still not functioning properly, replace the TDM card.
   Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*..

0191 - 1114-PHS, 1116-SHS clocks failed

This message indicates the following High Speed 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 1116

Example

```
   station1234 99-03-05 16:28:08 EST  EAGLE 31.6.0
*  0052.0191  * HS CLOCK SYSTEM  1114-PHS, 1116-SHS clocks failed
```

Alarm Level: Minor

Recovery

1. Use the `rept-stat-clk` command to determine the current clock status.
   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. Follow local procedures to troubleshoot and repair the E1/T1 High Speed clocks.
3. If this message appears again, contact the *Customer Care Center* on page 4.

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.
   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. 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.
   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. 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.
   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. 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.
   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. 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.
   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. 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 *Appendix A, Card Removal/Replacement Procedures*..
5. If the fault still does not clear, contact the *Customer Care Center* on page 4.

0198 - High speed clock alarm(s) cleared

All primary and secondary high speed clock sources are functioning.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0198    HS CLOCK SYSTEM  High speed clock alarm(s) 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.

0199 - OA&M IP Security feature disabled

The Eagle OA&M IP Security Enhancements Feature is not operational. This UAM is issued because the temporary key for the QA&M IP Security feature has expired.

With this feature disabled, 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

```
RLGHNCXA21W 03-03-03 12:01:43 EST  EAGLE 35.0.0
0047.0199    SECURITY SYSTEM         OA&M IP Security feature disabled
```

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

Recovery

1. First, to restore OA&M IP Security Enhancements feature, you must enable it permanently.

   To enable a control feature, you can purchase it from Tekelec. You will receive a feature access key to use with the `enable-ctrl-feat` command.

2. Next, turn on the feature by using the `chg-ctrl-feat` command.

0200 - RCVRY-LKF: link available

The link has become available for SS7 signaling traffic. SS7 traffic has been restored to the link.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0200  SLK 1202,A nc00027  RCVRY-LKF: link available
             SLC=01    FECLLI=A1234567890        CLASS=MTP2
```

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

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.

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

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.

0217 - REPT-LKF: XDA - excess acknowledge delay

The far end node is taking too long to acknowledge the messages sent to it by the signaling terminal. The T7 timer has timed out.

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

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 *Maintenance* manual, *Chapter 4, Measurements* 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 5 ISS system 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 *Customer Care Center* on page 4.

0221 - REPT-LKF: X25 link unavailable

This message indicates that the specified X.25 link is out-of-service.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
** 0014.0221 **  SLK 1205,A nc00027  REPT-LKF:X25 link unavailable
               SLC=03   FECLLI=testclli            CLASS=MTP2
```

Note: The Class parameter in the example is optional.

Alarm Level: Major

Recovery

1. To check the status of the X.25 signaling link, enter the `rept-stat-slk` command with the port and card location specified from the output message above.

   Following is an example of the command output:

   ```
   RLGHNCXA03W 00-03-14  17:00:00  EST  EAGLE 35.0.0
   SLK     LSN          CLLI          PST           SST      AST
   1205,A  nc00027      testclli      OOS-MT       Unavail   ----
     ALARM STATUS        = * REPT-LKF:X25 link unavailable
     UNAVAIL REASON      = X25FL LI NA
   ```

2. Note the UNAVAIL REASON field in the output message.

   Following are the reasons the link is unavailable:

   a) LD – The signaling link has lost data

b) X25FL – X.25 link has failed.
c) NA – The signaling link is not aligned

3. If the UNAVAIL REASON indicates an alignment problem, use the `dact-slk` command followed by the `act-slk` command to place the link into service.
4. If the UNAVAIL REASON still indicates an alignment problem, 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 problem persists, verify the adjacent X.25 node has the link activated.
7. Determine if the link failure is due to bad carrier facilities.

   Using transmission test equipment test the X.25 link end-to-end. If a protocol analyzer is available, bad CRCs in the X.25 protocol indicates excessive noise on the link.
8. If the carrier facilities are good, but the problem persists, determine if the X.25 adjacent node has a bad X.25 card by swapping the existing card with a known good card.
9. If the X.25 link is still unavailable, contact the *Customer Care Center* on page 4.

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.

0223 - REPT-LKF: remote NE loopback cleared

This message indicates the link was in loopback and now the loopback has been deactivated.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0223   SLK 1205,A nc00027  REPT-LKF:remote NE loopback cleared
             SLC=01    FECLLI=A1234567890           CLASS=SAAL
```

Note: The Class parameter in the example is optional.

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

Recovery

No further action is necessary.

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 *Appendix A, 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-LFK: 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 *Customer Care Center* on page 4.

0240 - REPT-LKF: rcvd SSCOP END-proc 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 SSCOP END-proc 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 SSCOP END-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 SSCOP END-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 SSCOP END-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 SSCOP END-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 SSCOP END-mgmnt initiated

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 SSCOP END-mgmnt initiated
               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 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 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 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 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 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 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.

0250 - MPS available

This indicates that a previous MPS platform association loss has been reestablished and is currently functioning properly.

Example

```
station1234 99-03-30 16:28:08 EST  EAGLE 35.0.0
3535.0250    MPS A         MPS available
```

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.

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 Manual* or EPAP *Administration Manual* about restoring an MPS server to the active state.

0264 - REPT-LINK-CGST: congestion level 0 to 1

The amount of MSU traffic on the link has reached a congestion level 1.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0264   SLK 1205,A nc00027  REPT-LINK-CGST: congestion level 0 to 1
            SLC=03   FECLLI=testclli           CLASS=SAAL
```

Note: The Class parameter in the example is optional.

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

Recovery

1. Since congestion usually peaks and subsides quickly, a measurements report should be printed to understand what SS7 events took place.

   Use the command `rept-meas` to obtain a report.

   Note: The measurements collection must first be turned on so measurements can be collected. If measurements are not turned on, no report will be available. Refer to the *Maintenance* manual, *Chapter 4, Measurements* for traffic measurements information.

2. Ensure that there are enough links in the linkset based on the traffic load.

0265 - REPT-LINK-CGST: congestion level 1 to 2

The amount of MSU traffic on the link has reached a congestion level 2.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0265    SLK 1205,A nc00027  REPT-LINK-CGST: congestion level 1 to 2
             SLC=03   FECLLI=testclli            CLASS=MTP2
```

Note: The Class parameter in the example is optional.

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

Recovery

1. Since congestion usually peaks and subsides quickly, a measurements report should be printed to understand what SS7 events took place.

   Use the command `rept-meas` to obtain a report.

   Note: The measurements collection must first be turned on so measurements can be collected. If measurements are not turned on, no report will be available. Refer to the *Maintenance* manual, *Chapter 4, Measurements* for traffic measurements information.

2. Ensure that there are enough links in the linkset based on the traffic load.

0266 - REPT-LINK-CGST: congestion level 2 to 3

The congestion on a link has risen to level 3. That is, the amount of MSU traffic on the signaling link has reached the onset level defined for congestion level 3. This usually indicates the node is under provisioned.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0266   SLK 1205,A nc00027  REPT-LINK-CGST: congestion level 2 to 3
             SLC=03   FECLLI=testclli            CLASS=SAAL
```

Note: The Class parameter in the example is optional.

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

Recovery

1. Since congestion usually peaks and subsides quickly, a measurements report should be printed to understand what SS7 events took place.

   Use the command `rept-meas` to obtain a report.

   Note: The measurements collection must first be turned on so measurements can be collected. If measurements are not turned on, no report will be available. Refer to the *Maintenance* manual, *Chapter 4, Measurements* for traffic measurements information.

2. Ensure that there are enough links in the linkset based on the traffic load.

0267 - RCVRY-LINK-CGST:congestion level 3 to 2

The congestion on a link has fallen to level 2. That is, the amount of MSU traffic on the signaling link has reached the abatement level defined for congestion level 3. This indicates congestion is clearing.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0267   SLK 1205,A nc00027   RCVRY-LINK-CGST:congestion level 3 to 2
             SLC=03   FECLLI=testclli           CLASS=MTP2
```

Note: The Class parameter in the example is optional.

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

Recovery

Since congestion usually peaks and subsides quickly, a measurements report should be printed to understand what SS7 events took place.

Use the command `rept-meas` to obtain a report.

Note: The measurements collection must first be turned on so measurements can be collected. If measurements are not turned on, no report will be available. Refer to the *Maintenance* manual, *Chapter 4, Measurements* for traffic measurements information.

0268 - RCVRY-LINK-CGST:congestion level 2 to 1

The congestion on a link has fallen to level 1. That is, the amount of MSU traffic on the signaling link has reached the abatement level defined for congestion level 2. This indicates congestion is clearing.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0268   SLK 1205,A nc00027   RCVRY-LINK-CGST:congestion level 2 to 1
             SLC=03   FECLLI=testclli           CLASS=SAAL
```

Note: The Class parameter in the example is optional.

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

Recovery

Since congestion usually peaks and subsides quickly, a measurements report should be printed to understand what SS7 events took place.

Use the command `rept-meas` to obtain a report.

Note: The measurements collection must first be turned on so measurements can be collected. If measurements are not turned on, no report will be available. Refer to the *Maintenance* manual, *Chapter 4, Measurements* for traffic measurements information.

0269 - RCVRY-LINK-CGST: congestion has cleared

This message is generated when the congested state of a link has been removed.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0269   SLK 1205,A nc00027 RCVRY-LINK-CGST: congestion has cleared
             SLC=03   FECLLI=testclli            CLASS=MTP2
```

Note: The Class parameter in the example is optional.

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.

0270 - REPT-LINK-CGST: discard level 0 to 1

The amount of MSU traffic on the link has reached an overflow level 1. Messages with an SIO priority of 0 are being discarded.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0270    SLK 1205,A nc00027  REPT-LINK-CGST: discard level 0 to 1
             SLC=03   FECLLI=testclli            CLASS=SAAL
```

Note: The Class parameter in the example is optional.

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

Recovery

1. Since overflow conditions usually peak and subside quickly, a measurements report should be printed to understand what SS7 events took place.

   Use the command `rept-meas` to obtain a report.

   Note: The measurements collection must first be turned on so measurements can be collected. If measurements are not turned on, no report will be available. Refer to the *Maintenance* manual, *Chapter 4, Measurements* for traffic measurements information.

2. Ensure that there are enough links in the linkset based on the traffic load.

0271 - REPT-LINK-CGST: discard level 1 to 2

The link has reached an overflow level 2. The percentage of MSU traffic on the signaling link has exceeded the discard/overflow level defined for level 2. Messages with SIO priority of 0 or 1 are being discarded.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0271    SLK 1205,A nc00027  REPT-LINK-CGST: discard level 1 to 2
             SLC=03   FECLLI=testclli            CLASS=MTP2
```

Note: The Class parameter in the example is optional.

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

Recovery

1. Since overflow conditions usually peak and subside quickly, a measurements report should be printed to understand what SS7 events took place.

   Use the command `rept-meas` to obtain a report.

   Note: The measurements collection must first be turned on so measurements can be collected. If measurements are not turned on, no report will be available. Refer to the *Maintenance* manual, *Chapter 4, Measurements* for traffic measurements information.

2. Ensure that there are enough links in the linkset based on the traffic load.

0272 - REPT-LINK-CGST: discard level 2 to 3

The amount of MSU traffic on the link has reached an overflow level 3. Messages with an SIO priority of 0, 1, or 2 are being discarded.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0272    SLK 1205,A nc00027  REPT-LINK-CGST: discard level 2 to 3
             SLC=03   FECLLI=testclli            CLASS=SAAL
```

Note: The Class parameter in the example is optional.

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

Recovery

1. Since overflow conditions usually peak and subside quickly, a measurements report should be printed to understand what SS7 events took place.

   Use the command `rept-meas` to obtain a report.

   Note: The measurements collection must first be turned on so measurements can be collected. If measurements are not turned on, no report will be available. Refer to the *Maintenance* manual, *Chapter 4, Measurements* for traffic measurements information.

2. Ensure that there are enough links in the linkset based on the traffic load.

0273 - RCVRY-LINK-CGST: discard level 3 to 2

The amount of MSU traffic on the link has reached an overflow level 2 and congestion is clearing. Messages with an SIO priority of 0 or 1 are being discarded.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0273    SLK 1205,A nc00027  RCVRY-LINK-CGST: discard level 3 to 2
             SLC=03   FECLLI=testclli            CLASS=MTP2
```

Note: The Class parameter in the example is optional.

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

Recovery

Since overflow conditions usually peak and subside quickly, a measurements report should be printed to understand what SS7 events took place.

Use the command `rept-meas` to obtain a report.

Note: The measurements collection must first be turned on so measurements can be collected. If measurements are not turned on, no report will be available. Refer to the *Maintenance* manual, *Chapter 4, Measurements* for traffic measurements information.

0274 - RCVRY-LINK-CGST: discard level 2 to 1

The amount of MSU traffic on the link has decreased to an overflow level 1 and congestion is clearing. Messages with an SIO priority of 0 are being discarded.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0274   SLK 1205,A nc00027  RCVRY-LINK-CGST: discard level 2 to 1
             SLC=03   FECLLI=testclli            CLASS=SAAL
```

Note: The Class parameter in the example is optional.

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

Recovery

Since overflow conditions usually peak and subside quickly, a measurements report should be printed to understand what SS7 events took place.

Use the command `rept-meas` to obtain a report.

Note: The measurements collection must first be turned on so measurements can be collected. If measurements are not turned on, no report will be available. Refer to the *Maintenance* manual, *Chapter 4, Measurements* for traffic measurements information.

0275 - RCVRY-LINK-CGST: discard has cleared

The overflow level of the link has reached level 0. No messages are being discarded.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0275    SLK 1205,A nc00027  RCVRY-LINK-CGST: discard has cleared
             SLC=03   FECLLI=testclli            CLASS=MTP2
```

Note: The Class parameter in the example is optional.

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.

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 *Auto-Inhibit Hardware Verification Codes* on page 675 .
   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 9: 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* - SS7 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. Enter the following command to generate a report of the AS association status:
   `rept-stat-assoc`
   Following is an example of the output:

```
rlghncxa03w 01-03-04 12:57:21 EST EAGLE 28.1.0
ASSOCIATION      PST           SST
a1               IS-NR         ASP-ACTIVE
a2               IS-ANR        ASP-ACTIVE
a3               OOS-MT-DSBLD  ----
a4               OOS-MT        Connecting
a5               OOS-MT        ASP-DOWN
a6               OOS-MT        ASP-UP
Command Completed
```

2. Notify the PSTN associated with the disabled AS of the problem.

0278- AS Available

The Application Server (AS) is now available to carrying traffic.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0278    IP7    as2        AS Available
```

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.

0279 - AS Restricted

The Application Server (AS) is carrying traffic, but one or or of the Application Server Processes (ASPs) is not functioning properly.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 28.1.0
*  0014.0279  *  IP7    as2        AS Resticted
```

Alarm Level: Minor

Recovery

1. Enter the following command to generate a report of the AS association status:
   `rept-stat-assoc`
   Following is an example of the output:

```
rlghncxa03w 01-03-04 12:57:21 EST EAGLE 28.1.0
ASSOCIATION      PST           SST
a1               IS-NR         ASP-ACTIVE
a2               IS-ANR        ASP-ACTIVE
a3               OOS-MT-DSBLD  ----
a4               OOS-MT        Connecting
a5               OOS-MT        ASP-DOWN
a6               OOS-MT        ASP-UP
Command Completed
```

2. Notify the PSTN associated with the restricted AS of the problem.

0280 - AS Unrestricted

The Application Server (AS) is carrying traffic. A previous restriction has been cleared.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0280    IP7    as2        AS Unrestricted
```

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.

0283 - LNP Ported LRNs approaching Feat. Capacity

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

This UAM appears when the DSM VSCCP cards are cold-restarted after the ELAP RTDBs 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. Capacity
```

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 *Step 1* on page 178, or respecify the capacity with the `enable-ctrl-feat` command.

0284 - LNP Ported LRNs Capacity Normal

This UAM is a clearing message that appears when the operator enables the LRN feature key quantities on the Eagle that exceed the quantities currently populated in the ELAP RTDBs.

Example

```
   RLGHNCXA21W 03-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0284    CARD  1115 DCM  LNP Ported LRNs Capacity Normal
```

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.

0285 - LNP Ported NPAs approaching Feat. Capacity

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

This UAM appears when the DSM VSCCP cards are cold-restarted after the ELAP RTDBs 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. Capacity
```

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 *Step 1* on page 179, or respecify the capacity with the `enable-ctrl-feat` command.

0286 - LNP Ported NPAs Capacity Normal

This UAM is a clearing message that appears when the operator enables the NPANXX feature key quantities on the Eagle that exceed the quantities currently populated in the ELAP RTDBs.

Example

```
   RLGHNCXA21W 03-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0286    CARD  1115 DCM  LNP Ported NPAs Capacity Normal
```

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.

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 *Step 2* on page 180.

2. Enter the following command:
   `chg-th-alm:lnptndblv2=xxxx`
   where *xxxx*=percentage.
3. If the threshold is at 95% contact the *Customer Care Center* on page 4.

0288 - RTDB Table Level 2 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 *Step 2* on page 180.
2. Enter the following command:
   `chg-th-alm:lnptndblv2=xxxx`
   where *xxxx*=percentage.
3. If the threshold is at 80% contact the *Customer Care Center* on page 4.

0289 - RTDB Table FAK Capacity Normal

This UAM appears when the LNP FAK alarm conditon no longer exists.

Example

```
   RLGHNCXA21W 03-02-07 11:02:30 EST  EAGLE 35.0.0
   0100.0289  LNP 1115 DCM   RTDB Table FAK Capacity Normal
```

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

Recovery

This message indicates a previous condition has been corrected.

No further action is necessary.

0290 - GLS is available

The TSM cards configured as generic loader services (GLS) are functioning. These cards are used to download gateway screening (GWS) data to the LIMs.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0290    GLS SYSTEM          GLS is available
```

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

Recovery

This message indicates a previous condition has been corrected.

No further action is necessary.

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`

   Following is an 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  -----
1207  022-000-000 LIMOCU  SS7GX25   OOS-MT        Isolated  -----
1211  022-000-000 LIMV35  SS7GX25   IS-NR         Active    -----
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. 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* on page 181). 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`

   Following is an 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  -----
1207  022-000-000 LIMOCU  SS7GX25   OOS-MT       Isolated  -----
1211  022-000-000 LIMV35  SS7GX25   IS-NR        Active    -----
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*..

0293 - GLS have been removed from the system

Generic loading services (GLS) has been removed from the system, because all TSMs configured for GLS have been deleted through database administration commands.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0293    GLS SYSTEM          GLS have been removed from the system
```

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

Recovery

This message alerts the user that all TSMs configured for GLS have been deleted from the system.

No action is necessary unless gateway screening is required.

0294 - REPT-ALMINH: alarm output PERM inhibited

This message indicates that alarms for the indicated device are permanently inhibited at the indicated level.

Example

```
tekelecstp 99-01-19 14:56:48 EST  EAGLE 31.5.0
0100.0294   CARD 1117 MDAL        REPT-ALMINH: alarm output PERM inhibited
             ALARM INHIBIT LEVEL:   CRIT
```

Note: The output can vary significantly. Alarm Inhibit alarms are generic and the output varies depending on which alarm/device is inhibited. This example utilizes the CARD format.

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

Recovery

No further action is necessary.

0295 - REPT-ALMINH: alarm output enabled

This message indicates the restoration of the reporting of alarms for the indicated device at the indicated level.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 31.5.0
0100.0295    NDC SYSTEM            REPT-ALMINH: alarm output enabled
             ALARM INHIBIT LEVEL:   MAJR
```

Note: The output can vary significantly. Alarm Inhibit alarms are generic and the output varies depending on which alarm/device is inhibited. This example utilizes the NDC SYSTEM format.

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

Recovery

No further action is necessary.

0296 - REPT-ALMINH: alarm output TEMP inhibited

This message indicates that alarms for the indicated device are temporarily inhibited at the indicated level.

Example

```
tekelecstp 99-01-19 14:56:48 EST  EAGLE 31.5.0
0045.0296   DLK 1104,A1            REPT-ALMINH: alarm output TEMP Inhibit
             ALARM INHIBIT LEVEL:   MINR
```

Note: The output can vary significantly. Alarm Inhibit alarms are generic and the output varies depending on which alarm/device is inhibited. This example utilizes the DATA LINK format.

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

Recovery

No further action is necessary.

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 'HW VERIFICATION CODE: xxx':
   - Decode the xxx value and correct the indicated problem.

     See *Auto-Inhibit Hardware Verification Codes* on page 675 .
   - 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 'HW VERIFICATION CODE: xxx', perform either of the following:
   - Replace the LIM DS0-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* for the correct procedures.

0298 - Card not using config. SCTP csum method

The IPLIMx/IPGWx card issues this UAM alarm when the card's active SCTP checksum algorithm does not match the configured SCTP checksum algorithm in the IP OPTIONS table.

Example

```
   RLGHNCXA21W 03-02-07 11:02:30 EST  EAGLE 35.0.0
*  0100.0298  * CARD  1115 DCM   Card not using config. SCTP csum method
```

Alarm Level: Minor

Recovery

1. The SCTP checksum algorithm option is configured via the `chg-sg-opts` command and is stored in the IP OPTIONS table.

   The update applies to the IP OPTIONS tables on disk and IPLIMx/IPGWx card memory. Note that when the SCTP checksum algorithm is updated, IPLIMx/IPGWx cards may not immediately change to the updated checksum algorithm. Before IPLIMx/IPGWx cards can use the configured SCTP checksum algorithm, one of the following conditions must exist.

   - No SCTP associations exist on the IPLIMx/IPGWx card.
   - All SCTP associations provisioned on the IPLIMx/IPGWx card are `open=no`.
   - The IPLIMx/IPGWx card is initialized.

2. In an installed system, use either of two methods to condition the cards to accept the change in checksum algorithms:

   - Card initialization (use the `init-card` command) or
   - Change card association (`chg-assoc:aname=xxx:open=no`)

     For details about these commands, refer to the *Commands Manual*.

3. Issue the `chg-sg-opts:sctp_csum=value` command to define the checksum algorithm to be used in all SCTP associations.

0299 - Config. SCTP csum method alarm cleared

The SCTP checksum UAM alarm is cleared when the card's active SCTP checksum algorithm matches the configured SCTP checksum algorithm.

Example

```
RLGHNCXA21W 03-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0299    CARD  1115 DCM  Config. SCTP csum method alarm cleared
```

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

Recovery

No further action is necessary.

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 00-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0300  ** CARD 1201  OAM     TVG Grant Failure
```

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.

   Following is an example of the output: stpa1061501 08-08-13 14:52:06 EST EAGLE5 39.2.0-61.21.0 CARD VERSION TYPE GPL PST SST AST 1201 131-021-000 LIME1 SS7ML IS-NR Active ----- ALARM STATUS = No Alarms. BPMPLT GPL version = 131-005-000 IMT BUS A = Conn IMT BUS B = Conn CLOCK A = Active CLOCK B = Idle CLOCK I = Idle HS CLOCK A = Active HS CLOCK B = Idle HS CLOCK I = Idle MBD BIP STATUS = Valid MOTHER BOARD ID = MIM3 DBD STATUS = Valid DBD TYPE = None DBD MEMORY SIZE = 0M HW VERIFICATION CODE = ---- SIGNALING LINK STATUS SLK PST LS CLLI A IS-NR ls1201i0 tklca1201i0 B IS-NR ls1201i4 tklca1201i4 A1 IS-NR ls1201i0 tklca1201i0 B1 IS-NR ls1201i4 tklca1201i4 A2 IS-NR ls1201i2 tklca1201i2 B2 IS-NR ls1201i6 tklca1201i6 A3 IS-NR ls1201i2 tklca1201i2 B3 IS-NR ls1201i6 tklca1201i6 TVG STATUS SNM TVG RESULT = 24 hr: ------, 5 min: ------ SLAN TVG RESULT = 24 hr: ------, 5 min: ------ SCCP TVG RESULT = 24 hr: G-----, 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), and `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.

0301 -TVG Grant Recovery

This message indicates that the Multicast Capacity Feature for handling SNM, SCCP, or SLAN traffic is functioning, and a previous problem has cleared.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0301     CARD 1201  OAM    TVG Grant Recovery
```

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

Recovery

No further action is necessary.

0302 - Cooling fan failure

The cooling fan hardware is not working.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
*  0100.0302  *  SYSTEM       Cooling fan failure
```

Alarm Level: Minor

Recovery

1. At the fan assembly, verify that the Fan Switch on the grill panel is in the ON position.
2. At the FAP, verify the fuses for the fan assembly.

   The fuse card will be marked FAN A and FAN B, fuse positions 6, 12, and 18 (A and B). Fuse position 6 is for the fan unit directly below the control shelf. Fuse position 12 is for the fan directly below the 1200 shelf. Fuse position 18 is for the fan directly below the 1300 shelf. All fans are to be fused at 2 amps (with orange flags) per feed.
3. At the EAGLE 5 ISS terminal, enter the following command to verify that the fan feature is turned on.

   `rtrv-feat`

   Note: Once you have turned on the feature, you cannot turn it off. The feature applies to any and all fans installed within the system. When replacing a fan assembly, the feature should already be turned on.

   The output displays a list of optional features and their status on the system:

```
RLGHNCXA03W 99-01-28 11:34:04 EST EAGLE 35.0.0
EAGLE FEATURE LIST
GTT = off
GWS = on
CRMD = off
X25G = on
LAN = on
SEAS = on
LNP = off
LNP12MIL = off FAN = on
DSTN4000 = on
WNP = on
CNCF = on
SCCPCNV = on
```

```
TCAPCNV = on
TLNP = on
x252000 = on
```

4. If `FAN = on` does not appear in the output, enable the fan feature by entering the following command:

   `chg-feat:fan=on`

   After the program updates, the system returns output similar to the following:

```
RLGHNCXA03W 97-03-11 11:34:04 EST EAGLE 35.0.0
CHG-FEAT: MASP A - COMPLD
```

5. At the rear of the frame, verify the A power cable from the A fan assembly is securely attached.
6. At the rear of the frame, verify the B power cable from the B fan assembly is securely attached.
7. At the EAGLE 5 ISS terminal, type in this command:

   `rept-stat-trbl`

   If the EAGLE 5 ISS reports the following alarm, replace the cooling fan.

```
302 COOLING FAN FAILURE
```

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

0303 - Cooling fan normal

The cooling fan hardware has returned to service.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0303     SYSTEM      Cooling fan normal
```

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.

0304 - REPT-NMTSK-DSCD: SNM Discard Onset

This message indicates that the number of system network messages has exceeded the threshold and messages are being discarded.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
*  0100.0304   *   CARD 1113 OAM     REPT-NMTSK-DSCD: SNM Discard Onset
```

Alarm Level: Minor

Recovery

Check for problems in the network that would cause excessive network management messages to be broadcast.

0305 - RECVY-NMTSK-DSCD: SNM Discard Abated

This message indicates that network messages are no longer being discarded.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0305      CARD 1113 OAM      REPT-NMTSK-DSCD: SNM Discard Abated
```

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

Recovery

This message indicates a previous condition has been corrected.

No further action is necessary.

0306 - SNM Overload Onset

This message indicates that network management messages are approaching the threshold where they will be discarded.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
*  0100.0306   *   CARD 1113 OAM        SNM Overload Onset
```

Alarm Level: Minor.

Recovery

Check for problems in the network that would cause excessive network management messages to be broadcast.

0307 - SNM Overload Abated

This message indicates that the threat of network messages being discarded no longer exists.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0307    CARD 1113 OAM        SNM Overload Abated
```

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

Recovery

This message indicates a previous condition has been corrected.

No further action is necessary.

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 *Customer Care Center* on page 4.
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 *Maintenance* manual, *Chapter 4, Measurements* for traffic measurements information.

0309 - Node is no longer isolated

This message occurs when the node has been in node isolation due to signaling link failures. Enough links have recovered so that the node is no longer isolated and signaling can occur.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0309    SYSTEM              Node is no longer isolated
```

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.

0311 - DPC is allowed

A previous fault is corrected and the EAGLE 5 ISS system can send traffic to a specified point code.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0311    DPC 144-201-001     DPC is allowed
```

```
              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: No alarm condition. The message is informational only.

Recovery

This message indicates a previous fault has been corrected.

No further action is necessary.

0312 - DPC is restricted

A transfer-restricted message has been received concerning the DPC. Possible causes:

- One or more routes to this DPC are unavailable.
- A low priority route is carrying the traffic. The primary and combined routes are not available for traffic to the given DPC.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
*  0014.0312  * DPC 144-201-001     DPC is restricted
                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: Minor

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.

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

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
*C 0014.0313 *C DPC 144-201-001     DPC 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

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.

0314 - Route is allowed

The primary route to the DPC can carry traffic.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0314    DPC 144-201-001     Route is allowed
             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: No alarm condition. The message is informational only.

Recovery

This message indicates a previous fault has been corrected.

No further action is necessary.

0315 - Route is restricted

Traffic in the primary route to the DPC is restricted. This could indicate signaling link failures for a nonadjacent DPC.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0315    DPC 144-201-001     Route is restricted
             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: No alarm condition. The message is informational only.

Recovery

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

0316 - Route is prohibited

The primary route to the DPC cannot carry traffic to the DPC. Following are the possible causes:

- Local SLK failures
- Nonadjacent DPC SLK failures

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0316    DPC 144-201-001     Route 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: No alarm condition. The message is informational only.

Recovery

1. Enter the `rept-stat-rte` command using the DPC specified from the output message to determine which linkset has a problem.

   If it specifies a nonadjacent linkset, contact the far-end to test and correct the problem.

2. If it appears to be a local signaling link failure 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. Verify the link status using the `rept-stat-slk` command.

   For example, enter:

   `rept-stat-slk:loc=:port=b`

   Following is an example of the output:

```
RLGHNCXA03W 00-09-27 17:00:36 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.
```

4. Check the UNAVAIL REASON field in the output of the `rept-stat-slk` command.

   Following is an explanation of the UNAVAIL REASON codes:

   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.

   FC – The signaling link is unavailable because of false congestion.

   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.

5. 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.

6. 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.
7. 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*..
8. If the UNAVAIL REASON indicates a locally inhibited link, enter the `unhb-slk` command with the specified card location.
9. If the UNAVAIL REASON indicates a locally blocked link, enter the `ublk-slk` command with the specified card location.
10. If the signaling is blocked or inhibited remotely, contact the far-end to place the link in-service.

0317 - RCVRY-LKSTO: Link set allowed

The linkset is returned to service.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0317    LSN a24546     RCVRY-LKSTO: Link set allowed
```

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

Recovery

This message indicates a previous condition has been corrected.

No further action is necessary.

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`

   Following is an 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:

   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.FC – The signaling link is unavailable because of false congestion.

   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, 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 0014.0319 *C DPC 011-210-*        REPT-MTPLP-DET: Circ rte det(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 *Step 4* on page 197. If there is an error in the routing information, continue with *Step 2* on page 197

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 Database *Administration Manual* - SS7 , Chapter 5 - SS7 Configuration and the procedure titled Adding a Route for the procedure on entering 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.

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 *Step 4* on page 197. If there is an error in the routing information, continue with *Step 2* on page 197

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 Database *Administration Manual* - SS7 , Chapter 5 - SS7 Configuration and the procedure titled Adding a Route for the procedure on entering 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.

0321 - X-LIST occupancy threshold exceeded

This message indicates that the number of x-list entries has exceeded a specified threshold.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
*  0014.0321  *  XLIST             X-LIST occupancy threshold exceeded
```

Alarm Level: Minor

Recovery

1. To display the system-wide parameters for cluster routing, enter the command.

   `rtrv-stpopts`

   Following is an 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. The **mtpxlot** parameter is the threshold that this message refers to.

2. Use the `chg-stpopts` to change the number of x-list entries, the x-list expiration timer, or to raise the threshold for notification of a full x-list.
3. If the problem persists, use the `dact-rststcommand` to eliminate specific x-list entries.

0322 - X-LIST occupancy below threshold

This message indicates that the number of x-list entries has fallen below a specified threshold.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0322    XLIST              X-LIST occupancy below threshold
```

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.

0324 - DPC subsystem is allowed

All subsystems at the indicated DPC are reachable.

Example

RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0

0014.0324 DPC 144-201-001 DPC subsystem is allowed

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: No alarm condition. The message is informational only.

Recovery

This message indicates a previous fault has been corrected.

No further action is necessary.

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.

0327 - DPC subsystem has been deleted

This indicates a DPC subsystem has been deleted from the system global title translation (GTT) tables.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0327    DPC 144-201-001     DPC subsystem has been deleted
             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: No alarm condition. The message is informational only.

Recovery

This message indicates a previous fault has been corrected by deletion of the entity.

No further action is necessary.

0328 - SCCP is available

The SCCP subsystem has returned to service.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0328    SCCP SYSTEM           SCCP is available
```

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.

0329 - SCCP capacity normal, card(s) abnormal

The SCCP subsystem is operating normally, using the TVG (Group Ticket Voucher load balancing algorithm) message transport method. The TPS (Transactions Per Second) rate is below its capacity threshold, as defined by the `chg-th-alm` command.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0329    SCCP SYSTEM         SCCP capacity normal, card(s) abnormal
```

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

Recovery

1. This alarm is used in conjunction with alarm #0330 “System SCCP TPS Threshold Exceeded.” For every five minutes the Eagle is above the threshold, the ATH (Application Trouble Handler) reports the minimum, maximum and average TPS value seen during the past five minute period.

   When the TPS level drops below the threshold level for 30 seconds, the alarm stops, and alarm #0329 confirms that normal operation has resumed. (Alternatively, the user can clear this alarm by raising the threshold limit to a value greater than the maximum value, in which case, the alarm stops immediately.)

2. To obtain details, use the `rept-stat-sccp` command, which displays the status of the SCCP and VSCCP cards and other services and determines the capacity threshold of the SCCP TPS rate.

This command also identifies which DSM cards are OOS-MT. For example, enter:

`rept-stat-sccp`

Following is an example of the output:

```
eaglestp 00-10-24 20:38:58 EST EAGLE 35.0.0
    SCCP SUBSYSTEM REPORT IS-NR          Active      -----
    SCCP Cards Configured= 1  Cards IS-NR= 1   Capacity Threshold = 80%
    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.
```

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`

   Following is an 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 *Appendix A, 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`

   Following is an 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.

0333 - DPC Subsystem is Normal

The DPC subsystem indicated in the output message is now allowed.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0333    DPC 144-201-001     DPC Subsystem is Normal
             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: No alarm condition. The message is informational only.

Recovery

This message indicates a previous fault has been corrected.

No further action is necessary.

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.

0335 - SCCP is removed

All SCCP cards have been deleted from the database; SCCP services are not available to the system. This message is the result of a deliberate action. Removing all TSM-SCCP cards from the database may have been an action from another maintenance procedure. If you wish to restore SCCP services to the system, perform the following procedure. For more information about adding a card to the system, refer to the Database *Administration Manual - SS7* .

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0335    SCCP SYSTEM         SCCP is removed
```

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

Recovery

1. Use the `ent-card` command to reenter the TSM-SCCP cards into the system database.
2. Use the `rst-card` command to return the card(s) to service.

   This causes the MASP to begin downloading global title translation (GTT) tables to the TSM-SCCP.

3. Use the `rept-stat-sccp` command to verify that the card(s) have been restored, after the MASP has completed loading.

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 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`

   Following is an 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.

0337 - DPC - SS status changed

This output is related to other DPC alarm messages. It indicates that one or more subsystems with an existing alarm condition has had a change in status. The message indicates the new status of the subsystem. A previous alarm condition has not cleared.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0337    DPC 001-001-001       DPC-SS status changed
             LSN=A1234567
             Prohibited SS 5, 20
```

Legend

LSN	Linkset name. The name must be unique.
PROHIBITED SS	Prohibited subsystem

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

Recovery

Follow the troubleshooting procedure for the previous alarm.

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. Following is an 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-rststcommand` to eliminate specific x-list entries.

0339 - X-LIST space full condition abated

This message indicates the total number of dynamic status exception list (x-list) entries no longer exceeds the maximum allowed.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0339      XLIST              X-LIST space full condition abated
```

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.

0340 - RCVRY-MTPLP-RST: Circ rte status cleared

The system automatically tests for circular routing when congestion occurs on an ANSI signaling link. This message indicates that the circular routing has been cleared.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0340    DPC 001-001-001     RCVRY-MTPLP-RST: Circ rte status cleared
             XMIT LSN=A1234567
             RCV LSN=ls14
             MEMBER=011-210-007
```

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.

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 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 = ** 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 *Customer Care Center* on page 4.
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 following command to verify that the SEAS 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.
```

   Use the output from *Step 1* on page 208 (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 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.
7. If the problem persists, verify that the OAP cables are connected to the correct SEAS TDM 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 *Customer Care Center* on page 4

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 the following command to verify 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 = ** 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 *Customer Care Center* on page 4.

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 following command to determine the status of the SEAS subsystem:

   `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 = ** 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 *Step 1* on page 211.

   Following is an 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 following command:

   `rept-stat-seas`

   where x is the appropriate TRM number from *Step 1* on page 211.

7. If the X.25 link is still unavailable, contact the *Customer Care Center* on page 4.

0344 - SEAS PVC unavailable

This message indicates that the permanent virtual circuit (PVC) connected to the OAP is not available.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
*  0100.0344  *  SEAS X25 Link A1          SEAS PVC unavailable
```

Alarm Level: Minor

Recovery

1. Enter the following command to determine the status of the SEAS subsystem:

   `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 = ** 0341 OAP unavailable
X25          ALARM STATUS = No Alarms.
X25          ALARM STATUS = * 0344 SEAS PVC 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. Determine the status of the OAP and PVC by entering the following command:

   `rept-stat-seas`

   Following is an 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.

3. If there are any PVCs, the X.25 link physical layer is good.
4. If the problem persists, contact the SEAC to test from their equipment to the local synchronous modem.
5. If the PVC is still not available, contact the *Customer Care Center* on page 4

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 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 = ** 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 *Customer Care Center* on page 4.

0346 - SEAS UAL session unavailable

This message indicates that the SEAS X.25 link UAL session on one PVC is not available.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
*  0100.0346  *  SEAS X25 Link B1        SEAS UAL session unavailable
```

Alarm Level: Minor

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 = ** 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 = * 0346 SEAS UAL session 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 problem persists, contact the SEAC to test from their equipment to the local synchronous modem.
3. If the problem still persists, contact the *Customer Care Center* on page 4.

0347 - SEAS X.25 Link is available

This message indicates that a previous problem with the X.25 link has been corrected.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0347    SEAS X.25 Link B1         SEAS X.25 Link is available
```

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.

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`

   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 = ** 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* on page 208.
3. If `0343 SEAS X.25`

   Link unavailable is displayed, follow recovery procedure *0343 - SEAS X.25 Link unavailable* on page 211.
4. If `0354 OAP TDM Port unavailable` is displayed, follow recovery procedure *0354 - One OAP terminal unavailable* on page 222
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`

   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.
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 *Step 1* on page 215:

   ```
   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 *Step 14* on page 217.

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 following 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 *Customer Care Center* on page 4.

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* on page 208
4. If `0342 SEAS UAL unavailable` is displayed, follow recovery procedure *0342 - SEAS UAL unavailable* on page 210.
5. If `0343 SEAS X.25` Link unavailable is displayed, follow recovery procedure *0343 - SEAS X.25 Link unavailable* on page 211.
6. If 0345 All SEAS UAL sessions unavailable is displayed, follow recovery procedure *0345 - All SEAS UAL sessions unavailable* on page 213.
7. If `0350 OAP terminals inhibited` is displayed, follow recovery procedure *0350 - OAP terminals inhibited* on page 219.
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`

   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.

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 *Step 1* on page 217:

    `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 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 *Step 14* on page 219.

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 *Customer Care Center* on page 4.

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 *Step 1* on page 220:

   ```
   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 *Appendix A, 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.

0351 - SEAS is available

This message indicates that a problem with SEAS system has been corrected.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0351    SEAS SYSTEM           SEAS is available
```

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.

0352 - SEAS is removed

This message indicates that the SEAS feature has been manually removed by removing both SEAS TDM ports.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0352    SEAS SYSTEM           SEAS is removed
```

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

Recovery

No further action is necessary.

0353 - OAP is available

This indicates a previous problem with the OAP has been corrected.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0353    OAP A            OAP is available
```

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.

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 *Step 1* on page 222:

   `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 *Step 10* on page 224.

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 *Appendix A, 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 *Customer Care Center* on page 4.

0355 - LSMS is available

All communication paths are complete to the LSMS.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0355     LSMS SYSTEM         LSMS is available
```

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

Recovery

This message indicates a previous condition has been corrected.

No further action is necessary.

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 following command to verify the status of the terminals:

   ```
   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.

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 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 = *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 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 five minutes and the system clears the alarm.

7. Enter the following command to verify the status of the LSMS:

   `rept-stat-lsms`

   Refer to *Step 5* on page 225 for a sample output.

8. Enter the following command to inhibit the unavailable OAP terminal displayed in the output from *Step 1* on page 224:

```
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 following 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 *Appendix A, Card Removal/Replacement Procedures*.

11. Enter the following command for each OAP terminal inhibited:
```
chg-trm:trm=x:type=oap
```
where *x* is the port number.

12. Enter the following command to return the OAP terminals to the in-service state:
```
alw-trm:trm=x
```
where x is the port number.

13. Enter the following command to verify the status of the LSMS:
```
rept-stat-lsms
```
Refer to *Step 5* on page 225 for a sample output.

14. If the LSMS is still not available, contact the *Customer Care Center* on page 4.

0357 - All OAP terminals are removed

The OAP terminals have been modified to another type using the chg-trm command.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0357   LSMS SYSTEM           All OAP terminals are removed
```

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

Recovery

No further action is necessary.

0358 - LSMS Q.3 association unavailable

An LSMS Q.3 association is not available.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
** 0014.0358  **  LSMS  Q.3 Assoc. A1    LSMS Q.3 association 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 Q.3 association 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 *Step 2* on page 227 for a sample output.

5. Enter the following command to inhibit the unavailable OAP terminal displayed in the output from *Step 1* on page 226:

   `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 *Appendix A, 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 *Step 2* on page 227 for a sample output.
11. If the LSMS Q.3 association is still not available, contact the *Customer Care Center* on page 4.

0359 - LSMS Q.3 association available

A LSMS Q.3 association is available.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0359  LSMS  Q.3 Assoc. A1     LSMS Q.3 association available
```

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

Recovery

No further action is necessary.

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 *Appendix A, 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 *Customer Care Center* on page 4.

0361 - EMS Agent available

An EMS agent is available.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0361         OAP A          EMS Agent available
```

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

Recovery

No further action is necessary.

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* on page 208.
3. If `0358 LSMS Q.3 association unavailable` is displayed, follow recovery procedure *0358 - LSMS Q.3 association unavailable* on page 226.
4. If `0354 OAP TDM Port unavailable` is displayed, follow recovery procedure *0354 - One OAP terminal unavailable* on page 222.
5. If the problem is not solved, contact the *Customer Care Center* on page 4.

0363 - OAP filesystem full

One of the OAP file systems has exceeded a 95% threshold.

Example

```
   RLGHNCXA21W 94-02-07 12:01:43 EST  EAGLE 35.0.0
*  0014.0363  * OAP A   OAP filesystem full.
```

Alarm Level: Minor

Recovery

Contact the *Customer Care Center* on page 4.

0364 - Configuration data checksum mismatch

This indicates the OAP configuration data does not match the OAP configuration data stored in the system database. There is a mismatch between the system and OAP databases.

Example

```
  RLGHNCXA21W 94-02-07 12:01:43 EST EAGLE 35.0.0
* 0014.0364  * OAP A   Configuration data checksum mismatch
```

Alarm Level: Minor

Recovery

1. Enter the following command to retrieve the OAP configuration data stored in the system:
   `rtrv-oap-config`

The output of the `rtrv-oap-config` command displays different fields depending on whether the SEAS feature is on, the LNP feature is on, or both features are on. The following output example shows both the SEAS and LNP features on.

```
rtrv-oap-config
    RLGHNCXA03W 99-01-07 00:57:31 EST EAGLE 35.0.0
    OAP CONFIGURATION REPORT
DATA               OAP A                OAP B
Hostname           tekelec-8            tekelec-9
IP Address         128.132.064.015      128.132.064.016
IP Netmask         <Not Configured>     <Not Configured>
Default Router     <Not Configured>     <Not Configured>
Config             dual                 dual
SEAC CLLI          SEASNJPYRRC          SEASNJPYRRC
X25 Packet Size    7                    7
X25 Mode           DTE                  DTE
Active LSMS        shadow               shadow
Main LSMS NSAP     198.089.039.022      198.089.039.022
Main LSMS SSEL     emss                 emss
Main LSMS PSEL     emsp                 emsp
Shadow LSMS NSAP   198.089.039.023      198.089.039.023
Shadow LSMS SSEL   emss                 emss
Shadow LSMS PSEL   emsp                 emsp
    ;
```

2. Review the retrieved information, looking for errors or unprovisioned parameters.

   Table 10: OAP Configuration Parameters on page 231 lists OAP configuration parameters from the above output that must be provisioned if a given feature is on.

Table 10: OAP Configuration Parameters

Output	Legend	Feature
Hostname	Host name of OAP A or OAP B	LNP or SEAS
IP Address	IP address of OAP A or OAP B	LNP
IP Netmask	The netmask for OAP A or OAP B	Not required
Default Router	The IP address of the default router assigned to OAP A or OAP B	Not required
Config	The number of OAPs configured (single or dual)	LNP or SEAS
SEAC CLLI	The common language location identifier (CLLI) of the SEAC to which the OAP connects.	SEAS

Output	Legend	Feature
X25 Packet Size	The X.25 package size for the link to the SEAC (7 or 8)	SEAS
X25 Mode	The mode of the X.25 link to the SEAC (DTE or DTC)	SEAS
Active LSMS	The LSMS associated with the OAP (main or shadow)	LNP
Main LSMS NSAP	The network service access point of the main LSMS (If `lsms=shadow`, this parameter set is not mandatory.)	LNP
Main LSMS SSEL	The session selector of the main LSMS (If `lsms=shadow`, this parameter set is not mandatory.)	LNP
Main LSMS PSEL	The presentation selector of the main LSMS (If `lsms=shadow`, this parameter set is not mandatory.)	LNP
Shadow LSMS NSAP	The network service access point of the shadow LSMS (If `lsms=main`, this parameter set is not mandatory.)	LNP
Shadow LSMS SSEL	The session selector of the shadow LSMS (If `lsms=main`, this parameter set is not mandatory.)	LNP
Shadow LSMS PSEL	The presentation selector of the shadow LSMS (If `lsms=main`, this parameter set is not mandatory.)	LNP

Note: If you find no errors or provision omissions, go to *Step 4* on page 233 If you find errors or provision omissions, contact your IS department to obtain the correct values and contact the *Customer Care Center* on page 4.

3. Enter the following command to update the OAP database:
   `act-oap-config`
4. If the fault does not clear, contact the *Customer Care Center* on page 4.

0365 - Configuration data checksum alarm cleared

This indicates that the system databases once out of sync are now back in sync.

Example

```
RLGHNCXA21W 94-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0365   OAP A   Configuration data checksum 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.

0366 - Temp Key(s) expiration alarm cleared

This message indicates that there are no temporary keys currently in the expired state, and the alarm condition, specified by message "0368 - Temp Key(s) have expired," has been cleared.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 5.0.0-32.0.0
0100.0366    SYSTEM     Temp Key(s) expiration 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.

Note: Further access to this controlled feature requires the purchase of a permanent key.

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 ** T1PORT 1201,2     REPT-T1F:FAC-T1 unavailable
```

Alarm Level: Major

Recovery

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'1xxxxxxxxxxxxxxx'. 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 ALARM DATA 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'2xxxxxxxxxxxxxxx'. 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 ALARM DATA 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 ALARM DATA 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 ALARM DATA 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.

0374 - Minor Platform Failure(s)

This message indicates the application running in the MPS server has detected a minor platform failure. The Alarm Data in the message contains a 16-character hexadecimal string in the format of h'5xxxxxxxxxxxxxx'. 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
*  0259.0374 *  MPS B               Minor Platform Failure(s)
                ALARM DATA = h'5000000000000004'
```

Alarm Level: Minor

Recovery

1. To decode the ALARM DATA 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.

0375 - Minor Application Failure(s)

This message indicates the application running in the MPS server has detected a minor application failure. The Alarm Data in the message contains a 16-character hexadecimal string in the format of h'6xxxxxxxxxxxxxx'. 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
*  0259.0375 *  MPS B               Minor Application Failure(s)
                ALARM DATA = h'6000000000000001'
```

Alarm Level: Minor

Recovery

1. To decode the ALARM DATA 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.

0380 - RCVRY-T1F:FAC-T1 available

The T1 port 1 is back in-service.

Example

```
    RLGHNCXA21W 00-11-07 11:02:30 EST  EAGLE 35.0.0
    0014.0380    T1PORT  1201,2   RCVRY-T1F:FAC-T1 available
```

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.

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.

0386 - RCVRY-E1F:FAC-E1 available

The E1 port 1 is back in-service.

Example

```
   RLGHNCXA21W 00-11-07 11:02:30 EST  EAGLE 35.0.0
   0014.0386    E1PORT  1201,2   RCVRY-E1F:FAC-E1 available
```

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.

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.

0388 - Illegal Address Error has Cleared

This message indicates the clearing of a prior illegal address error. Previously, the HMUX-assigned shelf ID address received from OAM did not match the value read from the Assigned Shelf Address Register, resulting in major alarm UAM #0390. This message shows the previous alarm has cleared.

Example

```
station1234 00-11-30 16:28:08 EST  EAGLE 35.0.0
0012.0388        CARD 1109 HMUX    Illegal Address Error has Cleared
```

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

Recovery

This message indicates a previous fault, which was indicated by UAM #0390, has been corrected.

No further action is necessary.

0389 - Card responding normally

This message indicates the clearing of a prior HMUX/HIPR not responding error. Previously, an HMUX/HIPR was not responding to polls from the OAM, resulting in major alarm UAM #0391. This message shows the previous alarm has cleared.

Example

```
station1234 00-11-30 16:28:08 EST  EAGLE 35.0.0
0012.0389      CARD 1209 HIPR Card responding normally
```

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

Recovery

This message indicates a previous fault, which was indicated by UAM #0391, has been corrected.

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 *Customer Care Center* on page 4.

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 *Customer Care Center* on page 4.

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

```
   RLGHNCXA21W 03-03-03 12:01:43 EST  EAGLE 35.0.0
** 0047.0392 ** 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`

0393 - OA&M IP Security feature is ON

The Eagle OA&M IP Security Enhancements Feature is turned on. This UAM is an informational message that confirms that the feature is restored to operational status.

With this feature operating, you have the tools to securely pass data across an otherwise non-secure network. With the Eagle OA&M IP Security Enhancements Feature operational, the Eagle can provide secure connections from approved clients, and protects sensitive passwords and information while in transit between the Eagle and a host.

Example

```
RLGHNCXA21W 03-03-03 12:01:43 EST  EAGLE 35.0.0
0047.0393    SECURITY SYSTEM         OA&M IP Security feature status is ON
```

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

Recovery

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

No further action is necessary.

0394 - INP Subsystem is available

This message indicates that a problem with the INP subsystem has been corrected.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 39.2.0
0056.0394     INP SYSTEM    INP Subsystem is available
```

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.

0395 - INP Subsystem is not available

The INP subsystem is not available. There are no IS-NR VSCCP 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-DSBLD VSCCP card(s) identified in *Step 1* on page 243.
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 *Step 2* on page 243 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 *Appendix A, 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 the following command to verify the status and location of the INP subsystem cards:

```
rept-stat-mps
```

2. Enter the following 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 the following 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 the following command to verify the status of the INP subsystem:

   ```
   rept-stat-mps
   ```

0397 - INP Subsystem is removed

The INP subsystem is not fully equipped. There are no VSCCP cards configured with this INP subsystem.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 39.2.0
0056.0397      INP SYSTEM      INP Subsystem  is removed
```

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

Recovery

Verify the VSCCP hardware.

Configure the INP system with VSCCP cards. Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*..

0398 - INP Subsystem normal,card(s) abnormal

One or more of the VSCCP cards do not have an ACTIVE status.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 39.2.0
*  0056.0398  *   INP SYSTEM   INP Subsystem normal,card(s) abnormal
```

Alarm Level: Minor

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 card to an ACTIVE status if loading is successful:

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

   where *xxxx* is the location of the OOS-MT-DSBLD VSCCP card(s) identified in *Step 1* on page 244.

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 *Step 2* on page 244 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 *Appendix A, Card Removal/Replacement Procedures*..

0399 - RCVRY-LKSTO:Alarm clr'd by deleting SLK

A signaling link (SLK) that was out of service and had an outstanding alarm has been deleted from the database. The alarm is cleared.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0399    LSN a24546   RCVRY-LKSTO:Alarm clr'd by deleting SLK
```

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.

0400 - Alarm cleared by deleting card

A card that was out of service and had an outstanding alarm has been deleted from the system database. The alarm is cleared.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0400    CARD 1202 SCCP      Alarm cleared by deleting card
```

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

Recovery

This message indicates a previous failure has been corrected.

No further action is necessary.

0401 - Alarm cleared by deleting SLK

A signaling link (SLK) that was out of service and had an outstanding alarm has been deleted from the database. The alarm is cleared.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0401    SLK 1205,A SS7ANSI  Alarm cleared by deleting SLK
             SLC=01   FECLLI=A1234567890
```

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.

0402 - Alarm cleared by deleting route

A route that was out of service and had an outstanding alarm has been deleted from the database. The alarm is cleared.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.0402    DPC 001-001-001     Alarm cleared by deleting route
```

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.

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 *Appendix A, Card Removal/Replacement Procedures*. for the replacement procedure.

  OR

- Use the `chg-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 *Appendix A, Card Removal/Replacement Procedures*. for the replacement procedure.

  OR

- Use the `chg-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 *Appendix A, Card Removal/Replacement Procedures*. for the replacement procedure.

  OR

- Use the `chg-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-stpopts` command to update the database to match output from 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-stpopts` command to update the database to match output from 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-stpopts` command to update the database to match output from the previous command.

   Refer to the *Commands Manual* for proper usage of the command.

0409 - Clock configuration corrected

This message indicates that a problem with the high speed clock configuration database has been corrected.

Example

```
station1234 99-03-05 16:28:08 EST  EAGLE 31.6.0
0052.0409    HS CLOCK SYSTEM      Clock configuration corrected
```

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.

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 'HW VERIFICATION CODE: xxx':
   - Decode the xxx value and correct the indicated problem.

     See *Auto-Inhibit Hardware Verification Codes* on page 675 .
   - 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 VERIFICATION CODE: 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 *Appendix A, Card Removal/Replacement Procedures*.

0423 - Card reload attempted

Card loading is no longer inhibited. The once inhibited card is now attempting to load.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0423    CARD  1108 SCCP   Card reload attempted
```

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

Recovery

No further action is necessary.

0424 - LNP Subsystem is not available

The LNP subsystem is not available. There are no IS-NR SCCP 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 *Step 1* on page 251.
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 *Step 2* on page 251 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 *Appendix A, Card Removal/Replacement Procedures*..

0425 - LNP Subsystem normal, card(s) abnormal

One or more of the SCCP cards do not have an ACTIVE status.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0056.0425      LNP SYSTEM   LNP Subsystem normal, card(s) abnormal
```

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

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 card 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 *Step 1* on page 251.

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 *Step 2* on page 252 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 *Appendix A, Card Removal/Replacement Procedures*..

0426 - LNP Subsystem is available

This message indicates that a problem with LNP system has been corrected.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0056.0426     LNP SYSTEM    LNP Subsystem is available
```

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.

0427 - LNP database corrupted

The LNP audit on an OAM card detects that the current LNP database on that card is corrupt.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
*  0100.0427 * CARD  1114 OAM      LNP database corrupted
```

Alarm Level: Minor

Recovery

1. Enter the following command to verify the status of the LNP database:

   ```
   rept-stat-db
   ```

   The following is an example of output for a corrupted database.

```
> rept-stat-db
Command Accepted - Processing
    oflnmoxa11w 00-10-08 15:56:40 CDT EAGLE 35.0.0
    rept-stat-db
    Command entered at terminal #4.
;
    oflnmoxa11w 00-10-08 15:56:40 CDT EAGLE 35.0.0
    DATABASE STATUS: >> NOT OK <<
           TDM 1114 ( STDBY)                TDM 1116 ( ACTV )
```

```
            C   LEVEL    TIME LAST BACKUP     C   LEVEL    TIME LAST BACKUP
           - -------- --------------------  - -------- --------------------

   FD BKUP  Y   342256 00-10-07 00:40:29 CDT  Y   342256 00-10-07 00:40:29
CDT
   FD CRNT  N   342374 CORRUPT                Y   342375
           MDAL 1117
            - --------
```

2. Enter the following command to retrieve the terminal types and port numbers:

   `rtrv-trm`

3. Enter the following command to inhibit each OAP terminal displayed in the output from *Step 2* on page 253:

   `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 message indicates the active fixed disk is corrupt, continue with *Step 6* on page 253.

   If the message indicates the standby fixed disk is corrupt, continue with *Step 7* on page 253. If the message indicates that both fixed disks are corrupt, continue with *Step 8* on page 253

6. Enter the following command only if the active OAM has the corruption problem.

   This command will force the active OAM card to standby:

   `init-card:loc=xxxx`

   where xxxx is the location of the card identified in output.

7. Enter the following command to copy the database partitions from the active disk to the standby disk:

   `chg-db:action=repair`

   Continue with *Step 10* on page 253.

   Note: Continue with *Step 8* on page 253 if repair is impossible or fails.

8. Enter the following command to restore the database from the removable disk:

   `chg-db:action=restore`

   CAUTION: Contact the *Customer Care Center* on page 4, before entering the `chg:db:action=restore` command. For additional information about this command, refer to the *Commands Manual*.

9. The database must match the level of the current database or network cards in the system.

   If it does not, contact the *Customer Care Center* on page 4. Continue with *Step 12* on page 254.

10. After the card has been reloaded (a message appears to confirm completion of the load), enter the following command to verify the database is consistent (same level as the other cards in the system).

```
rept-stat-card
```

CAUTION: If a disk restore results in an OAM database level different from that on the network cards, (e.g. LIM, GLS, etc.) all out of sync cards are required to be rebooted.

11. Enter the following command for each OAP terminal inhibited:
    ```
    chg-trm:trm=x:type=oap
    ```
    where *x* is the port number.
12. Enter the following command to return the OAP terminals to the in-service state:
    ```
    alw-trm:trm=x
    ```
    where *x* is the port number.
13. If the problem persists, contact the *Customer Care Center* on page 4.

0428 - Backup LNP database corrupted

The LNP audit on an OAM card detects that the backup LNP database on that card is corrupt.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
*  0100.0428 * CARD  1113 OAM      Backup LNP database corrupted
```

Alarm Level: Minor

Recovery

1. Enter the following command to verify the status of the LNP database:
   ```
   rept-stat-db
   ```
   The following is an example of output for a corrupted database.

```
> rept-stat-db
Command Accepted - Processing
    oflnmoxa11w 00-10-08 15:56:40 CDT EAGLE 35.0.0
    rept-stat-db
    Command entered at terminal #4.
;
    oflnmoxa11w 00-10-08 15:56:40 CDT EAGLE 35.0.0
    DATABASE STATUS: >> NOT OK <<
           TDM 1114 ( STDBY)                TDM 1116 ( ACTV )
            C   LEVEL    TIME LAST BACKUP     C   LEVEL    TIME LAST BACKUP
           - -------- --------------------  - -------- --------------------

   FD BKUP  Y   342256 CORRUPT               Y   342256 00-10-07 00:40:29
CDT
   FD CRNT  N   342374                       Y   342375
           MDAL 1117
            - --------
```

2. Enter the following command to retrieve the terminal types and port numbers:
   ```
   rtrv-trm
   ```
3. Enter the following command to inhibit each OAP terminal displayed in the output from *Step 2* on page 254:

```
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 if the problem is with the backup database.

   This command copies database partitions from the active current to the active backup and the standby current to the standby backup.

   ```
   chg-db:action=backup
   ```

   Continue with *Step 6* on page 255.

   Note: Continue with *Step 5* on page 255 if backup fails.

5. Enter the following command to repair the database by copying current and backup databases from the active to the standby fixed disk:

   ```
   chg-db:action=repair
   ```

6. The database must match the level of the current and backup databases in the system.

   If it does not, contact the *Customer Care Center* on page 4. Continue with *Step 7* on page 255.

7. After the card has been reloaded (a message appears to confirm completion of the load), enter the following command to verify the database is consistent (same level as the other cards in the system).

   ```
   rept-stat-db
   ```

8. Enter the following command to return the OAP terminals to the in-service state:

   ```
   rst-trm:trm=x
   ```

   where *x* is the port number.

9. If the problem persists, contact the *Customer Care Center* on page 4.

0429 - LNP database is inconsistent

The LNP audit on the standby OAM or one of the SCCP cards detects that the database on that card does not match the database on the active OAM card.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
*  0100.0429 * CARD  1113 OAM      LNP database is inconsistent
```

Alarm Level: Minor

Recovery for a non-MASP card

1. Enter the following command to verify the status of the LNP database:

   ```
   rept-stat-db
   ```

2. Enter the following command to retrieve the terminal types and port numbers:

   ```
   rtrv-trm
   ```

3. Enter the following command to inhibit each OAP terminal displayed in the output from :

   ```
   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 to correct the SCCP card, if necessary. 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.
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`
6. Check the consistency of the card by entering the following command:
   `rept-stat-db:display=except`
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 problem persists, contact the *Customer Care Center* on page 4.

Recovery for a MASP card

1. Enter the following command to retrieve the terminal types and port numbers:
   `rtrv-trm`
2. Enter the following command to inhibit each OAP terminal displayed in the output from *Step 1* on page 256
   `inh-trm:trm=x`
   where *x* is the port number.
   Note: The force parameter is required for the last OAP terminal inhibited.
3. Enter the following command for each OAP terminal inhibited in *Step 2* on page 256:
   `chg-trm:trm=x:type=none`
   where *x* is the port number.
4. If the message indicates the active fixed disk is inconsistent, continue with *Step 5* on page 256.
   If the message indicates the standby fixed disk is inconsistent, continue with *Step 6* on page 256. If the message indicates that both fixed disks are inconsistent, continue with *Step 7* on page 257.
5. Enter the following command on the active GPSM-II card to force it to become standby:
   `init-card:loc=xxxx`
   where *xxxx* is the card location stenciled on the shelf of the system. Continue with *Step 10* on page 257
6. Enter the following command to copy the current and backup database partitions on the active fixed disk, to the current and backup database partitions on the standby fixed disk:
   `chg-db:action=repair`

After the command is executed, the standby GPSM-II card reboots, the old database data is purged from memory, and the new database is loaded. Continue with *Step 9* on page 257.

7. Enter the following command to restore the database from the removable disk:
   `chg-db:action=restore`

   CAUTION: Contact the *Customer Care Center* on page 4 before entering the `chg:db:action=restore` command. For additional information about this command, refer to the *Commands Manual*.

8. The database must match the level of the current database or network cards in the system.
   If it does not, contact the *Customer Care Center* on page 4. Continue with *Step 12* on page 257

   CAUTION: If a disk restore results in an OAM database level different from that on the network cards, (e.g. LIM, GLS, etc.) all out of sync cards are required to be rebooted.

9. After the card has been reloaded (a message appears to confirm completion of the load), enter the following command to verify the database is consistent (same level as the other cards in the system):
   `rept-stat-card`
10. Enter the following command for each OAP terminal inhibited in *Step 2* on page 256:
    `chg-trm:trm=x:type=oap`

    where *x* is the port number.
11. Enter the following command to return the OAP terminals to the in-service state:
    `alw-trm:trm=x`

    where *x* is the port number.
12. For more information on database management, refer to the *Database Administration Manual*.
13. If the problem persists, contact the *Customer Care Center* on page 4.

0430 - Backup LNP database is inconsistent

The LNP audit on the standby OAM or one of the SCCP cards detects that its backup database does not match the database on the active OAM card.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
*  0100.0430 * CARD  1113 OAM     Backup LNP database is inconsistent
```

Alarm Level: Minor

Recovery

1. Enter the following command to verify the status of the LNP database:
   `rept-stat-db`
2. Enter the following command to retrieve the terminal types and port numbers:
   `rtrv-trm`

3. Enter the following command to inhibit each OAP terminal displayed in the output from *Step 2* on page 257:

   `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 if the problem is with the backup database.

   This command copies the database partitions from the active fixed disk to the backup partition on the standby disk.

   `chg-db:action=backup`

5. Verify that measurement collection is on or off by entering this command:

   `rtrv-meas-sched`

   This is an example of the possible output. If measurement collection is on (COLLECT=ON), go to *Step 6* on page 258. If measurement collection is off (COLLECT=OFF), go to *Step 7* on page 258.

```
RLGHNCXA03W 00-09-27 07:19:51 EST  EAGLE 35.0.0
COLLECT        = on
--------------------
SYSTOT-STP     = on
SYSTOT-TT      = off
SYSTOT-STPLAN  = off
COMP-LNKSET    = on
COMP-LINK      = on
GTWY-STP       = on
GTWY-LNKSET    = on
MTCD-STP       = on
MTCD-LINK      = on
MTCD-STPLAN    = on
MTCD-LNKSET    = on
```

6. Enter the following command to turn measurement collection off:

   `chg-meas:collect=off`

   This message should appear when this command has successfully completed:

```
RLGHNCXA03W 00-03-18 17:02:57 EST  EAGLE 35.0.0
CHG-MEAS: MASP A - COMPLTD
```

7. Enter the following command if the problem is with the standby disk.

   This command copies a mirror image of the fixed disk to the standby disk.

   `copy-disk:dloc=xxxx`

   where *xxxx* is the destination location.

8. 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`

9. If measurement collection was turned off in *Step 6* on page 258, turn measurement collection back on with the `chg-meas` command and the `collect=on` parameter.

   Enter this command, then go to *Step 9* on page 258. If measurement collection was not turned off in *Step 6* on page 258, do not perform this step and go to *Step 10* on page 259.

```
chg-meas:collect=on
```

This message should appear when this command has successfully completed:

```
RLGHNCXA03W 00-03-18 17:02:57 EST  EAGLE 35.0.0
CHG-MEAS: MASP A - COMPLTD
```

10. Verify that measurement collection is turned on with the `rtrv-meas-sched` command.

    This is an example of the possible output.

```
RLGHNCXA03W 00-09-27 07:19:51 EST  EAGLE 35.0.0
COLLECT        = on
---------------------
SYSTOT-STP     = on
SYSTOT-TT      = off
SYSTOT-STPLAN  = off
COMP-LNKSET    = on
COMP-LINK      = on
GTWY-STP       = on
GTWY-LNKSET    = on
MTCD-STP       = on
MTCD-LINK      = on
MTCD-STPLAN    = on
MTCD-LNKSET    = on
```

11. Enter the following command to return the OAP terminals to the in-service state:

    `alw-trm:trm=x`

    where *x* is the port number.

12. If the problem persists, contact the *Customer Care Center* on page 4.

0431 - LNP database has been corrected

This message indicates that a problem with the LNP database has been corrected.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0431    CARD  1113 OAM      LNP database has been corrected
```

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.

0432 - Backup LNP database has been corrected

This message indicates that a problem with the backup LNP database has been corrected.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0432    CARD  1113 OAM    Backup LNP database has been corrected
```

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.

0434 - LNP Subsystem is removed

The LNP subsystem is not fully equipped. There are no SCCP cards configured with this LNP subsystem.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0056.0434      LNP SYSTEM      LNP Subsystem  is removed
```

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

Recovery

Verify the SCCP hardware.

Configure the LNP system with SCCP cards. Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*..

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 Database *Administration Manual* - LNP to verify that provisioning rules are being followed.
3. If the problem persists, contact the *Customer Care Center* on page 4.

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`
   Following is an 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.

0439 - Exiting Degraded Mode

The Degraded Mode due to a invalid OAM hardware configuration has been cleared, and the mode has been exited. The HMUX is restored to its full operating capacity.

Example

```
RLGHNCXA21W 02-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0439    SECULOG 1114   Exiting Degraded Mode
```

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.

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 'HW VERIFICATION CODE: xxx':
   - Decode the xxx value and correct the indicated problem.

     See *Auto-Inhibit Hardware Verification Codes* on page 675 .
   - 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 VERIFICATION CODE: 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 *Appendix A, 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 amount of memory that is allocated and in-use. The amount of provisioned capacity is always less than the amount of allocated capacity (except when the RTDB is entirely full). EAGLE RTDB capacity alarms are triggered when provisioned capacity passes the 80% and 90% levels. Furthermore, if the EAGLE RTDB is below 80% and the allocation of the next memory block would surpass the 80% capacity level the EAGLE will report the 80% capacity alarm.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0.0
0100.0442  * 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 the *LNP Feature Activation Guide, Table 2.1* to view the DSM requirements for the LNP telephone number quantity verified under `rtrv-ctrl-feat`. Contact your Tekelec 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 the *LSMS Database Administration Manual*.
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 5 ISS* in the *LNP Feature Activation Guide*. Contact the *Customer Care Center* on page 4, if you do not currently have the next higher TN quantity key.

2. For EPAP, perform the following:

a) Do one of the following:

- Reduce the size of the database to match the installed hardware capacities.
- Obtain and install a larger capacity SCCP card.

b) 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.
;
```

c) From the Eagle STP use Use the `rept-stat-card:loc=xxxx:mode=full` command to determine the daughterboard memory on each SCCP card capacity of the DSMs currently in the system.

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.
;
```

d) Once the database memory size has been determined, see the *Dimensioning Guide for EPAP Advanced DB Features*.

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 *Step 2* on page 267 through *Step 5* on page 267 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 *Step 2* on page 267 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 *Customer Care Center* on page 4.

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 the 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 *Customer Care Center* on page 4.

0444 - RTDB database is inconsistent

One or more DSM card's real time database is not identical to the current real time database on the active EPAP fixed disks.

Example

```
  RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
* 0100.0444 * CARD  1108 VSCCP    RTDB database is inconsistent
```

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 inconsistent, perform *Step 2* on page 267 through *Step 5* on page 268 to completion for one card at a time.

2. Enter the following command to verify the status of the inconsistent card:

   `rept-stat-card:loc=xxxx`

   Where *xxxx* is the location of the card identified in the output.

3. Examine the output from *Step 2* on page 267 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 *Customer Care Center* on page 4.

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 the output.

5. Enter the following command to verify the 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 *Customer Care Center* on page 4.

0445 - RTDB database has been corrected

This message indicates that a problem with the RTDB has been corrected.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0445    CARD  1108 VSCCP    RTDB database has been corrected
```

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.

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 amount of memory that is allocated and in-use. The amount of provisioned capacity is always less than the amount of allocated capacity (except when the RTDB is entirely full). EAGLE RTDB capacity alarms are triggered when provisioned capacity passes the 80% and 90% levels. Furthermore, if the EAGLE RTDB is below 80% and the allocation of the next memory block would surpass the 80% capacity level the EAGLE will report the 80% capacity alarm.

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 the LNP Feature Activation Guide, Table 2.1 to view the DSM requirements for the LNP telephone number quantity verified under rtrv-ctrl-feat. Contact your Tekelec 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 the *LSMS Database Administration Manual*.

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 5 ISS* in the *LNP Feature Activation Guide*.

Contact the *Customer Care Center* on page 4, if you do not currently have the next higher TN quantity key.

2. For EPAP, perform the following:

a) Do one of the following:

- Reduce the size of the database to match the installed hardware capacities
- Obtain and install a larger capacity SCCP card.

b) 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.
;
```

c) From the EAGLE STP use the `rept-stat-card:loc=xxxx:mode=full` command to determine the daughterboard memory on 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.
;
```

d) Once the database memory size has been determined, see the *Dimensioning Guide for EPAP Advanced DB Features*.

0447 - RTDB database capacity alarm cleared

This message indicates that a problem with the RTDB memory has been corrected.

When the TN, LRN or NPA control features are involved, this UAM message indicates either the feature key quantity has been increased or the RTDB database size has been reduced to clear the condition.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0447    CARD  1108 VSCCP   RTDB database capacity 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.

0448 - RTDB database incoherent

This message indicates that the RTDB database download is in-process or that the update failed.

Example

```
  RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
* 0100.0448 * CARD  1108 VSCCP      RTDB database incoherent
```

Alarm Level: Minor

Recovery

1. If the following is output when the download is complete, no further action is necessary.

   ```
   Only continue with the remainder of this if the following is not output.
   0445 - RTDB database has been corrected
   ```

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

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


   CAUTION: Continue with the remainder of this procedure only if *Step 1* on page 272 did not compete successfully. If more than one card is incoherent, perform *Step 2* on page 272 through *Step 6* on page 273 to completion for one card at a time.

3. Enter the following command to verify the status of the incoherent card:

   ```
   rept-stat-card:loc=xxxx
   ```

   Where *xxxx* is the location of the card identified in the output.

4. Examine the output from *Step 3* on page 272. 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 *Customer Care Center* on page 4.

5. 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 the output.

6. Enter the following command to verify the that the database is the same level as the other cards in the system:

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

7. If the problem persists, contact the *Customer Care Center* on page 4.

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 following message will appear

```
0445 - RTDB database has been corrected
```

No further action is necessary.

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 following message will appear

```
0445 - RTDB database has been corrected
No further action is necessary.
```

4. If the problem persists, contact the *Customer Care Center* on page 4.

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.

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 the next step.
   - If the DSMs are not accepting the updates and they all stopped at the same level, inspect the respective EXAP application attached to the EAGLE. Correct any issues on the EXAP 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. Investigate SCCP, GTT, and Application UIMs and UAMs that relate to the time frame in which the level 1 threshold was reached.
   Verify the functionality of the Nodes identified in those UIMs or UAMs.
6. For further assistance, contact the *Customer Care Center* on page 4.

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.

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
```

Legend

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 EXAP application attached to the EAGLE. Correct any issues on the EXAP 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. Investigate SCCP , GTT, and Application UIMs and UAMs that relate to the time frame in which the level 2 threshold was reached.
   Verify the functionality of the Nodes identified in those UIMs or UAMs.
6. For further assistance, contact the *Customer Care Center* on page 4.

0454 - Service Error Threshold Alarm Cleared

This message is generated when the Service Error Threshold alarm is cleared.

Example

```
    RLGHNCXA21W 00-11-07 11:02:30 EST  EAGLE 35.0.0
    0014.0454 SCCP    1205,Service Error Threshold 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.

0455 - EIR Subsystem is not available

The EIR subsystem is not available. No IS-NR VSCCP 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-DSBLD VSCCP card(s) identified in *Step 1* on page 276.
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 *Step 2* on page 276 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 *Appendix A, 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`

0457 - EIR Subsystem normal,card(s) abnormal

One or more of the VSCCP cards do not have an Active status.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
*C 0056.0457      EIR SYSTEM   EIR Subsystem normal,card(s) abnormal
```

Alarm Level: Minor

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 card to an ACTIVE status if loading is successful:
   `rst-card:loc=xxxx`
   where *xxxx* is the location of the OOS-MT-DSBLD VSCCP card(s) identified in *Step 1* on page 277.
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 *Step 2* on page 277 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 *Appendix A, Card Removal/Replacement Procedures*..

0458 - EIR Subsystem is available

This message indicates that a problem with the EIR subsystem has been corrected. All VSCCP cards are IS-NR and have an EIR status of Active.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0056.0458     EIR SYSTEM   EIR Subsystem is available
```

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.

0459 - EIR Subsystem is removed

The EIR subsystem is not equipped. No VSCCP cards are configured with the EIR subsystem.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0056.0459      EIR SYSTEM    EIR Subsystem is removed
```

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

Recovery

Verify the VSCCP hardware.

Configure the EIR system with VSCCP cards. Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*..

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 *Customer Care Center* on page 4.

0467- STC Network Available

This indicates the network connected to the STC (port A/B) is now accessible.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0467    CARD 1201 STC  STC Network Available
```

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.

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 *Customer Care Center* on page 4.

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 *Customer Care Center* on page 4.
   Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*..

0470 - EROUTE is Removed

All the STC cards have been deleted.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0470    EROUTE System  EROUTE is Removed
```

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

Recovery

No action is necessary.

0471- EROUTE System is Available

This message indicates that the EROUTE system is available and fully functional.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0471    EROUTE System  EROUTE System is Available
```

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.

0472 - EROUTE System Threshold Exceeded

The EROUTE system has reached a rate higher than its threshold of 80% capacity.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
*  0014.0472  * EROUTE System  EROUTE System Threshold Exceeded
```

Alarm Level: Minor

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.

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.

0474 - EROUTE capacity normal, card(s) abnormal

The EROUTE system is operating normally even though one or more card(s) is OOS-MT.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0474    EROUTE System  EROUTE capacity normal, card(s) abnormal
```

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

Recovery

1. Enter the following command to determine which STC cards are out of service:
   `rept-stat-eroute`
2. Reinitialize each faulty STC card using the following command:
   `init-card:loc=xxxx`
   Where *xxxx* is the location of each faulty card identified in Step 1.
3. If the fault has not cleared, reseat each faulty card.

0475 - NTP Time Unavailable

The STC cards are not able to get NTP time from the ESP.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
*  0014.0475  * EROUTE System  NTP Time Unavailable
```

Alarm Level: Minor

Recovery

Have the far-end (Sentinel) to verify the status of the time process.

0476- NTP Time Available

The STC cards are now able to get NTP time from the ESP.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0476    EROUTE System  NTP Time Available
```

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.

0477 - Congestion: Copy Function De-activated

The Copy Function on the SS7 cards have been de-activated.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
*  0014.0477 * SLK 1205,A nc00027  Congestion: Copy Function De-activated
               SLC=03   FECLLI=testclli           CLASS=SAAL
```

Note: The Class parameter in the example is optional.

Alarm Level: Minor

Recovery

1. Since congestion usually peaks and subsides quickly, a measurements report should be printed to understand what SS7 events took place.

   Use the command `rept-meas` to obtain a report.

   Note: The measurements collection must first be turned on so measurements can be collected. If measurements are not turned on, no report will be available. Refer to the *Maintenance* manual, *Chapter 4, Measurements* for traffic measurements information.

2. Ensure that there are enough links in the linkset based on the traffic load.

0478 - Copy Function Activated

The congestion has cleared and the copy function on the SS7 cards have been re-activated.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0478   SLK 1205,A nc00027  Copy Function Activated
             SLC=03   FECLLI=testclli            CLASS=SAAL
```

Note: The Class parameter in the example is optional.

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.

0479 - Link not Monitored

This is a possible clearing condition for UAM 477, `Congestion: Copy Function Deactivated`. This implies that the Sentinel is not monitoring this link any longer so any monitoring alarms should be cleared.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0479   SLK 1205,A nc00027  Link not Monitored
             SLC=03   FECLLI=testclli            CLASS=SAAL
```

Note: The Class parameter in the example is optional.

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.

0480 - Timestamp Invalid

This indicates that the LIM card timestamp is invalid.

Example

```
   RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
*  0014.0480  * CARD 1201 STC  Timestamp Invalid
```

Alarm Level: Minor

Recovery

This alarm should clear automatically.

If it does not, contact the *Customer Care Center* on page 4.

0481 - Timestamp Valid

This indicates that the LIM card timestamp is valid.

Example

```
RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 35.0.0
0014.0467    CARD 1201 STC  STC Network Available
```

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.

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-eroute`
2. Refer to the Database *Administration Manual - Features* for the correct procedure on adding STC cards.

0500 - Alarm being cleared for this device

This is a generic alarm clearing output that applies to all setting alarms (Critical, Major, or Minor). The alarm for the indicated device is being cleared.

Example

```
tekelecstp 99-01-19 14:56:48 EST  EAGLE 31.5.0
0045.0500   DLK 1104,A1             Alarm being cleared for this device
```

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.

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 *Customer Care Center* on page 4.

0515 - Standby MASP allowed

This message indicates that the inhibited standby OAM has been restored.

Example

```
RLGHNCXA3W 00-11-06 10:55:49 EST EAGLE 35.0.0
0076.0515  CARD 1115 OAM     Standby MASP allowed
```

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.

0516 - Degraded Mode - 1 card failed

The Measurements Platform subsystem is degraded because one MCPM card is out of service. The Measurements Platform subsystem can successfully complete all of its work, but it has no spare MCPM.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
*  0100.0516 * MEAS SYSTEM    Degraded Mode - 1 card failed
```

Alarm Level: Minor

Recovery

1. Enter the following command to determine the status of the MCPM card:.
   `rept-stat-meas`
2. Reinitialize the faulty 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.
   Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*..

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 *Step 2* on page 285 through *Step 4* on page 285 for each faulty MCPM card.
   Refer to the *Maintenance* manual *Appendix A, 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 *Step 2* on page 285 through *Step 4* on page 285 for each faulty MCPM card.
   Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*..

0519 - Measurements subsystem available

This message indicates that the Measurements subsystem has been restored to service.

Example

```
RLGHNCXA3W 00-11-06 10:55:49 EST EAGLE 35.0.0
0076.0519  MEAS SYSTEM     Measurements subsystem available
```

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.

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 *Customer Care Center* on page 4, 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 *Customer Care Center* on page 4, about the generated UAM.

0522 - Frame power usage reached LVL1

Frame power usage reached 90% but is below 95% of threshold value.

Example

```
   RLGHNCXA3W 00-11-06 10:55:49 EST EAGLE 35.0.0
*  0002.0521 * FRAME CF01 Frame power usage reached LVL1
```

Alarm Level: Minor

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 *Customer Care Center* on page 4, about the generated UAM.

0523 - Frame power usage normal

Frame power usage is normal.

Example

```
RLGHNCXA3W 00-11-06 10:55:49 EST EAGLE 35.0.0
0002.0521 FRAME CF01 Frame power usage normal
```

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

Recovery

No action is necessary.

0524 - REPT-ALMINH: alarm output TIMED inhibit

A device's alarm is Timed inhibited using the `inh-alm` command.

Example

```
RLGHNCXA3W 00-11-06 10:55:49 EST EAGLE 35.0.0
0076.0524 CARD 1115 OAM     REPT-ALMINH: alarm output TIMED inhibit
```

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

Recovery

No action is necessary.

0525 - Timed alm inh rdy to expire

Timed inhibition on a device is about to expire in the next 12 hours.

Example

```
RLGHNCXA3W 00-11-06 10:55:49 EST EAGLE 35.0.0
0076.0525 CARD 1115 OAM     Timed alm inh rdy to expire
```

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

Recovery

No action is necessary.

0526 - Service is available

A problem with the specified SCCP service has been corrected. All SCCP cards are IS-NR and have a service status of Active.

Example

```
RLGHNCXA3W 00-11-06 10:55:49 EST EAGLE 34.3.0
0056.0526 GFLEX SERVICE Service is available
```

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.

0527 - Service abnormal

One or more of the cards providing the specified SCCP service do not have a service status of Active.

Example

```
RLGHNCXA3W 00-11-06 10:55:49 EST EAGLE 34.3.0
* 0056.0527 * GFLEX SERVICE Service abnormal
```

Alarm Level: Minor

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-DSBLD SCCP card(s) identified in *Step 1* on page 288.
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 *Step 2* on page 288 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 *Appendix A, Card Removal/Replacement Procedures*. for card replacement procedures.

0528 - Service is not available

The specified SCCP service is not available. No IS-NR SCCP 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-DSBLD SCCP card(s) identified in *Step 1* on page 289.
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 *Step 2* on page 289 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 *Appendix A, 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
```

0530 - Service is removed

The specified SCCP service is not equipped. No SCCP cards are configured with the service.

Example

```
RLGHNCXA3W 00-11-06 10:55:49 EST EAGLE 34.3.0
0056.0530 GFLEX SERVICE Service is removed
```

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

Recovery

Verify the SCCP hardware.

Configure the specified service with SCCP cards.

Note: Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*. for card replacement procedures.

0531 - Insufficient HW Copy Function Inhibited

HIPR cards must be installed in the same shelf as the IPLIMx and IPGWx card if their links are monitored. Therefore, monitoring will be inhibited on links on IPLIMx or IPGWx cards if a HIPR card is not installed in the same shelf. This is accomplished by ignoring an EMP service accept message after a service request is sent when HPIR cards are not installed. In addition, any active EMP TCP connections on an IPLIM or IPGW link is disconnected if both HIPR cards in the same shelf are removed. A new minor link alarm is implemented to report when monitoring on a link has been inhibited in this manner.

Example

```
   RLGHNCXA3W 00-11-06 10:55:49 EST EAGLE 35.0.0
*0 044.0531 *SLK 1201,A lsnabcde Insufficient HW Copy Function Inhibited
```

Alarm Level: Minor

Recovery

Replace the HMUX cards in the same shelf as the IPLIMx or IPGWx cards that produced the alarm with HIPR cards.

Note: Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*. for card replacement procedures.

0532 - RTX is allowed

A previous fault is corrected and the EAGLE 5 ISS system can send traffic to the specified DPC using the exception route set identified by the specified class and criterion.

Example

```
RLGHNCXA3W 00-11-06 10:55:49 EST EAGLE 35.0.0
0044.0532 RTX 001-101-001 RTX is allowed
          ILSN=lsn012345
```

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

Recovery

No action is necessary.

0533 - RTX is restricted

A transfer-restricted message has been received concerning the exception route set. Possible causes are as follows:

- One or more routes in this exception route set are unavailable.
- A low priority route is carrying the traffic. The primary and combined routes are not available for traffic in this exception route set.

Example

```
   RLGHNCXA3W 00-11-06 10:55:49 EST EAGLE 35.0.0
*  0044.0533 * RTX 001-101-001 RTX is restricted
               ILSN=lsn012345
```

Alarm Level: Minor

Recovery

1. Enter the following command using the DPC and RTX exception class specified in the output message to determine which linkset has a problem:

   `rept-stat-rtx:dpc=aaaa=xxx-xxx-xxx:cccc=zzzz`

   where

   - *aaaa* = **dpc/dpca, dpci, dpcn**, or **dpcn24**
   - *xxx-xxx-xxx* = the specified destination point code
   - *cccc* = **opc/opca, opci, opcn, opcn24, ilsn, cic**, or **si**
   - *zzzz* = the specified value of the above exception class, that establishes the exception routing criterion

2. Enter the following command using the linkset name specified from the output of*Step 1* on page 291 to determine which link(s) could have a problem:

   `rept-stat-ls`

3. Use local procedures to test the link facilities.

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

```
   RLGHNCXA3W 00-11-06 10:55:49 EST EAGLE 35.0.0
*C 0044.0534 *C RTX 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 *Step 1* on page 292 to determine which link(s) could have a problem:

   ```
   rept-stat-ls
   ```

3. Use local procedures to test the link facilities.

0535 - IP Connection Restricted

The following two scenarios exist:

- The SCTP association is established and the SCTP far-end is muti-homed and the Eagle determines one or more far-end IP destinations for the association are unreachable.
- The SCTP association is established and the SCTP far-end is uni-homed and the SCTP near_end has an LHOST and an ALHOST configured.

Note: IP Connection UAMs 0086 (Congested), 0535 (Restricted), and 0536 (Excess Retransmits) conditions can occur simultaneously. However, only one alarm per device can be displayed at a time. If two or more are present, the display of these alarms is prioritized as follows:

1. 0086 - IP Connection Congested
2. 0536 - IP Connection Excess Retransmits
3. 0535 - IP Connection Restricted

Example

```
    RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 31.3.0
*   0014.0535  *  IP7 assoc1        IP Connection Resticted
```

Alarm Level: Minor

Recovery

1. Determine why the other end is unreachable (i.e.,is a cable pulled?).

   All connections at the far end need to be reachable. Once they are the alarm will clear – IP Connection Available.

2. Reconfigure the association to be either both ends uni-homed or both ends multi-homed and make sure all connections are reachable.

0536 - IP Connection Excess Retransmits

An SCTP association has excessive retransmissions. The retransmission errors may cause a connection to congest and fail in the presence of a sufficiently high load.

Note: IP Connection UAMs 0086 (Congested), 0535 (Restricted), and 0536 (Excess Retransmits) conditions can occur simultaneously. However, only one alarm per device can be displayed at a time. If two or more are present, the display of these alarms is prioritized as follows:

1. 0086 - IP Connection Congested
2. 0536 - IP Connection Excess Retransmits
3. 0535 - IP Connection Restricted

Example

```
   RLGHNCXA21W 06-12-07 12:01:43 EST  EAGLE 35.6.0
*  1111.0536 * IP7 assoc1234567890         IP Connection Excess Retransmits
```

Alarm Level: Minor

Recovery

This error may be due to configuration problem, packet loss or excessive round-trip times.

This error may be due to:

- Misconfiguration or improper tuning of SCTP attributes to match the network conditions and traffic volumes
- Packet loss
- Excessive round-trip times
- The receive buffer of the SCTP peer being full for extended periods (probes by Eagle SCTP to update window size may result in discards by the peer)

1. Use the following pass commands to aid in determining the cause of the error:
   - `sctp` - gives how many retransmits are occuring
   - `assocrtt` - gives round-trip time information on a per-association basis
   - `netstat` - gives information on interface and per-protocol statistics (IP, SCTP and others)
   - `ping` - gives information on reachability and round-trip times
2. If the error is due to configuration problems, correct the configuration.
3. If the number of retransmissions is within expected values, the alarm threshold can be changed.

   Note: Changing the threshold does not affect link traffic, it only affects the alarm trigger level.

   1. Use the `rtrv-assoc:aname=xxxx` command to determine the current retransmit threshold (RTXTHR) value.
   2. Use the `chg-assoc:aname=xxxx` command to change the retransmit threshold (RTXTHR) value. Increasing the value will make the alarm less likely to occur.

   Refer to the Commands Manual for additional information.

0537 - Ethernet error threshold exceeded

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

- 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 lockdown you IP connection and do not use AUTONEGOTIATE)

1. 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.

2. 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.

   The following tables show the errors that show up on the DCM/EDCM/SSEDCM and E5-ENET card types. Because the boards use different ethernet chips, the statistics that are available are different.

Table 11: Seeq (DCM/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-DV activity less than the "ShortEventMaxTime" (74-82 bit times).	1	1

Statistic Peg	Description	Half Duplex threshold count	Full Duplex threshold count
Oversize frame	Number of receive frames with greater than the 1518 byte maximum frame size.	1	1
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 Seeq data sheet).	1	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	1	1

Statistic Peg	Description	Half Duplex threshold count	Full Duplex threshold count
	asserted by the Ethernet PHY.		
num_job_q_full	Number of times the net task job queue was full.	1	1

Table 12: GEI (E5-ENET) Ethernet Error Statistics

Statistic Peg	Description	Half Duplex threshold count	Full Duplex threshold count
vvcrcerrs	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	1	1

Statistic Peg	Description	Half Duplex threshold count	Full Duplex threshold count
	slot time of start of transmission.		
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
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

3. If the error is due to configuration problems, correct the configurationso the EAGLE and the IP switch/router match.
4. 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.

0538 - Ethernet error threshold cleared

A problem with the Ethernet error threshold has been corrected.

Example

```
   RLGHNCXA21W 06-12-07 12:01:43 EST  EAGLE 35.6.0
   2359.0538    ENET 1201,B             Ethernet error threshold cleared
```

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

Recovery

This message indicates that a problem with the Ethernet error threshold has been cleared.

0539 - Ethernet Interface Down

An Ethernet interface is reporting that it is down.

Example

```
   RLGHNCXA21W 06-12-07 12:01:43 EST  EAGLE 35.6.0
   2359.0539    ENET 1201,B             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.

0540 - Ethernet Interface Up

A problem with the Ethernet interface has been corrected.

Example

```
   RLGHNCXA21W 06-12-07 12:01:43 EST  EAGLE 35.6.0
   2359.0540    ENET 1201,B             Ethernet Interface Up
```

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

Recovery

This message indicates that a problem with the Ethernet interface has been cleared.

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 the Tekelec Technical Assistance Center (TAC).

   `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 *Step 1* on page 299

   `rept-stat-rtd:loc=xxxx`

   where xxxx is the card location determined from the ouput in *Step 1* on page 299.

   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 TAC in determining the cause of the alarm and monitoring the system for errors.

9. Notify the TAC (see *Customer Care Center* on page 4) of the occurrence of the alarm as follows:

   - Within 1 business day if the RTD alarm status reported in *Step 7* on page 300 indicates that the alarm has cleared and only a single error was reported when the alarm initially occurred as shown in *Step 1* on page 299.
   - Immediately if any of the following events occurred
     - The RTD alarm status reported in *Step 7* on page 300 indicates that the alarm did not clear.
     - Multiple errors were reported when the alarm occurred as shown in *Step 1* on page 299..

0542 - MSU cksum error threshold cleared

The MSU checksum threshold exceeded alarm has been corrected.

Example

```
    RLGHNCXA21W 06-12-07 12:01:43 EST  EAGLE 35.6.0
    2359.054238    RTD SYSTEM            MSU Cksum error threshold cleared
```

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

Recovery

This message indicates that the MSU checksum threshold exceeded alarm has been cleared.

0545 - SEAS Terminal Available

This message indicates that a problem with SEAS system has been corrected.

Example

```
    RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 37.5.0
*   0043.0545 ** TERMINAL   17          SEAS Terminal Available
```

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.

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 *Appendix A, Card Removal/Replacement Procedures*..

0547 - Daughterboard BIP inaccessible

A valid BIP does not exist in a card. The file maintained in flash memory for the daughterboard BIP data fails to open.

Example

```
 RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 37.5.0
**  0100.0547 ** CARD 1201 IPGHC         Daughterboard BIP inaccessible
```

Alarm Level: Minor

Recovery

Contact the *Customer Care Center* on page 4 for assistance.

0548 - Daughterboard BIP accessible

This message indicates that the Daughterboard BIP accessiblility error has been cleared and the BIP is now accessible.

Example

```
    RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 37.5.0
**  0100.0548 ** CARD 1201 IPGHC         Daughterboard BIP accessible
```

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

Recovery

No action neccessary

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

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

The V-Flex feature must be enabled and turned on.

0553 - VFLX Subsystem normal, card(s) abnormal

One SCCP card has V-Flex status of Active and there are 1 or more cards with an V-Flex status other than Active (a status not equal to OOS (out of service), loading or Offline).

Example

```
    RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 37.6.0
*C  0056.0553 *C VFLEX SYSTEM           VFLX Subsystem normal, card(s) abnormal
```

Alarm Level: Minor.

Recovery

No action neccessary

0554 - V-Flex Subsystem is available

All SCCP cards are IS-NR and have an V-Flex status of Active.

Example

```
     RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 37.6.0
*C  0056.0554 *C VFLEX SYSTEM            VFLEX VFLEX Subsystem is available
```

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

Recovery

No action neccessary

0555 - V-Flex Subsystem is removed

Last SCCP card was deleted.

Example

```
    RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 37.6.0
*C  0056.0555 *C VFLEX SYSTEM            VFLEX Subsystem is removed
```

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

Recovery

No action neccessary

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 *Step 1* on page 305.

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 *Step 2* on page 305 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 *Appendix A, 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`

0567 - ATINPQ Subsystem normal,card(s) abnorml

One SCCP card has ATINP status of Active and there are one or more cards with an ATINP status other than Active.

Example

```
    RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 39.2.0
*   0056.0567 *  ATINP SYSTEM           ATINPQ Subsystm normal, card(s) abnorml
```

Alarm Level: Minor

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 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 *Step 1* on page 306.

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 *Step 2* on page 307 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 *Appendix A, Card Removal/Replacement Procedures*..

0568 - ATINPQ Subsystem is available

This message indicates that a problem with the ATINP subsystem has been corrected.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 39.2.0
   0056.0568    ATINP SYSTEM           ATINPQ Subsystem is available
```

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.

0569 - ATINPQ Subsystem is removed

The ATINP subsystem is not fully equipped. There are no SCCP cards configured with this ATINP subsystem.

Example

```
   RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 39.2.0
   0056.0569    ATINP SYSTEM           ATINPQ Subsystem is removed
```

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

Recovery

Verify the SCCP hardware.

Configure the ATINP system with SCCP cards. Refer to the *Maintenance* manual *Appendix A, Card Removal/Replacement Procedures*..

0571 - Sentinel socket is inactive

The EAGLE 5 ISS - Sentinel socket connection is inactive. Any of the following conditions may be a cause.

- Turned off scopy bit through `chg-eiscopy` command if it is already on

- Lost connection with Sentinel/IMF server
- Link being monitored is deleted
- Adaptor type is changed to non-M2PA on the IPLIM card connected to IMF/sentinel server using `chg-assoc/chg-appl-sock`
- Internal problem occured at the LIM card hosting the corresponding link

Example

```
    RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 38.0.0
*   0100.0556 *  SLK 1201,A   lsn123     Sentinel Socket is inactive
```

Alarm Level: Minor.

Recovery

1. Check the physical connectivity to the Sentinel/IMF server and application status running at the Sentinel/IMF servers.
   Correct any physical connection discrepancy found.
2. If the physical connectivity is good, then there may be an internal problem at the LIM card hosting the corresponding link. Contact the *Customer Care Center* on page 4.

0572 - Sentinel socket is active

A problem with the EAGLE 5 ISS - Sentinel socket has been corrected and the socket is active.

Example

```
    RLGHNCXA21W 00-12-07 12:01:43 EST  EAGLE 38.0.0
    0100.0556    SLK 1201,A   lsn123     Sentinel Socket is active
```

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

Recovery

No action neccessary

0901 - Card DB load timeout, check GLS card

This message indicates that the database of a card has been in a transition for 9 minutes. The database gets put into transition when it waits for updates. In this case the updates are from the GLS card.

Example

```
   RLGHNCXA3W 99-12-06 10:55:49 EST EAGLE 35.0.0
** 0076.0901 ** CARD 1201 SS7ANSI   Card DB load timeout, check GLS card
```

Alarm Level: Major

Recovery

1. The GLS card should not take this long.
   Make sure that the GLS card is IS-NR by doing a `rept-stat-card` command.
2. Enter the following command to boot the GLS card:
   `init-card:appl=gls`

3. If the problem persists, contact the *Customer Care Center* on page 4.

0902 - Card DB is stable

This message indicates that the database of a card was in transition but has recovered.

Example

```
RLGHNCXA3W 99-12-06 10:56:18 EST EAGLE 35.0.0
0104.0902    CARD 1201 SS7ANSI     Card DB is stable
```

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

Recovery

No action is needed.

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 *Step 1* on page 309.
3. Enter the following command to get the name of the remote host:
   `rtrv-appl-sock:lhost=xxxxxxxx`
   Where *xxxxxxxx* = local host name from *Step 2* on page 309.
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 *Step 3* on page 309.
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 UNAVAIL REASON 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 *Step 8* on page 310.

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 *Appendix A, Card Removal/Replacement Procedures*..
8. If the fault is not cleared, contact the *Customer Care Center* on page 4.

0904 - IP Link A is up

This indicates that a previously broken link between the DCM card and the OAP now exists and is functioning properly.

Example

```
RLGHNCXA03W 01-01-10 16:28:08 EST EAGLE 35.0.0
0046.0904   CARD 1111  EBDADCM   IP Link A is up
```

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.

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 *Step 1* on page 310.
3. Enter the following command to get the name of the remote host:
   `rtrv-appl-sock:lhost=xxxxxxxx`
   Where *xxxxxxxx* = local host name from *Step 2* on page 310.
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 *Step 3* on page 310.

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 UNAVAIL REASON 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 *Step 8* on page 311.
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 *Appendix A, Card Removal/Replacement Procedures*..
8. If the fault is not cleared, contact the *Customer Care Center* on page 4.

0906 - IP Link B is up

This indicates that a previously broken link between the DCM card and the OAP now exists and is functioning properly.

Example

```
RLGHNCXA03W 01-01-10 16:28:08 EST EAGLE 35.0.0
0046.0906   CARD 1111  EBDADCM   IP Link B is up
```

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.

0907 - HW limiting TPS rate alarm cleared

This message indicates that the alarm condition, specified by message "0908 - HW cannot support purchased TPS rate," has been cleared.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 5.0.0-32.0.0
0100.0907    CARD 1101 SS7IPGW   HW limiting TPS rate alarm cleared
             ASSY SN:  102199815a1234
```

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.

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 *Customer Care Center* on page 4, for information about upgrading your DCM hardware.

0911 - Dynamic database is inconsistent

The dynamic database audit has detected that checksums are inconsistent. This means that one or more cards do not concur with the current network configuration.

Example

```
   RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
** 0100.0911 ** SYSTEM       Dynamic database is inconsistent
```

Alarm Level: Major

Recovery

The Eagle cannot automatically determine which cards are inconsistent.

Contact the *Customer Care Center* on page 4.

0912 - Dynamic database is now consistent

The dynamic database audit has run and determined that the checksums are consistent.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.0912  SYSTEM       Dynamic database is now consistent
```

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.

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.

1001 - MTP rcvd Transfer Controlled (TFC)

The system is generating traffic for a remote node that is congested. The distant node sent a transfer controlled (TFC) message in response.

Example

RLGHNCXA21W 00-02-07 11:02:30 EST EAGLE 35.0.0

0100.1001 CARD 1201,A INFO MTP rcvd Transfer Controlled (TFC)

SIO=0a OPC=003-232-000 DPC=000-000-000

AFTPC=004-000-000 CONG STATUS=000

LSN=A1234567

Legend

AFTPC	Affected point code (for SCCP messages)
CONG STATUS	Congestion status
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
SIO	Service information octet

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

Recovery

1. The affected point code field of the output message identifies the node that is congested.
   The system discards MSUs with a priority lower than the congestion status value sent with the TFC.
2. The system sends only messages with a priority higher or equal to the congestion status value of the TFC.
   Refer to TR-NPT-*000246, Issue 2, June 1987, Chapter 1.111.5, Annex A* for priority assignments.
3. Contact the far-end to determine the reason for congestion.

1002 - MTP rcvd invalid TFC - status 0

The EAGLE 5 ISS system received a transfer controlled (TFC) message with a status of 0 (protocol violation). No action on the part of the EAGLE 5 ISS system has been taken.

Example

RLGHNCXA21W 00-02-07 11:02:30 EST EAGLE 35.0.0

0100.1002 CARD 1205,B INFO MTP rcvd invalid TFC - status 0

SIO=0a OPC=003-234-000 DPC=000-024-000

AFTPC=055-000-046 CONG STATUS=000

LSN=A1234567

Legend

AFTPC	Affected point code (for SCCP messages)
CONG STATUS	Congestion status
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
SIO	Service information octet

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

Recovery

1. The EAGLE 5 ISS system does not take any action based on this TFC message.

   The output above is provided only to indicate the event took place, but does not require any action by maintenance personnel.

2. Contact the far-end to determine the reason for congestion.

1003 - MTP rcvd invalid H0/H1 code

SS7 received a level 3 message with an unrecognized H0H1 code.

Example

RLGHNCXA21W 00-02-07 11:02:30 EST EAGLE 35.0.0

0100.1003 CARD 1205,B INFO MTP rcvd invalid H0/H1 code

SIO=0a OPC=003-235-000 DPC=000-024-000

H0H1=43

LSN=A1234567

Legend

DPC	Destination point code
H0H1	H0/H1 heading code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
SIO	Service information octet

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

Recovery

1. This message could indicate that the MTP restart feature is not enabled. If the MTP restart feature should be enabled, use the `chg-feat` to turn on the MTP restart feature.

   Note: Once the feature is enabled using the`chg-feat` command, it can not be turned off, contact the.*Customer Care Center* on page 4, before executing the chg-feat command.

2. This output is informational only.
   The SS7 traffic is not interrupted and service is not affected.
3. Contact the far-end to determine the reason for congestion.

1004 - MTP rcvd unknown DPC

The EAGLE 5 ISS system received an MSU with a DPC that is not in the routing table.

Example

RLGHNCXA21W 00-02-07 11:02:30 EST EAGLE 35.0.0

0100.1004 CARD 1205,B INFO MTP rcvd unknown DPC

SIO=0a OPC=003-236-000 DPC=000-071-000

LSN=A1234567

Legend

DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
SIO	Service information octet

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

Recovery

1. If the EAGLE 5 ISS system should be able to route to the DPC (indicated in the message output), add the DPC to the EAGLE 5 ISS system routing table using the `ent-rte` and `ent-dstn` commands.
2. If the DPC is not one that the EAGLE 5 ISS system should be able to route to, no action is necessary.

1005 - GWS rcvd OPC that is not allowed

This message indicates the EAGLE 5 ISS received an MSU with an origination point code (OPC) that is not allowed in gateway screening (GWS).

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.1005    CARD 1205,A  INFO   GWS rcvd OPC that is not allowed
SIO=b2   OPC=003-237-000  DPC=003-003-003
H0H1=32  AFTPC=03-03-03
SR=osp3   LSN=A1234567
```

Note:

Four outputs are possible. The Legend includes abbreviations found in all variations.

Legend

ADDR	Address

AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)
AI	Address Indicator
CDPA	Called party address
CGPA	Calling party address
DATA	Information from the upper layers of SCCP management
DPC	Destination point code
H0H1	H0/H1 heading code
LSN	Linkset name. The name must be unique.
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SCCP MT	SCCP message type
SCMG	SCCP management message
SIO	Service information octet
SR	Screening reference name
SSN	Subsystem number
TT	Translation type
TYPE	SCCP management message type

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

Recovery

1. If this origination point code (OPC) is one that should be allowed to pass through the network, add the OPC to the gateway screening (GWS) tables assigned to the link reporting this message.

   Use the `ent-scr-opc` command to add the OPC to the list of allowed OPC codes. Refer to the Database *Administration Manual* - Gateway Screening for instructions on how to add an OPC to gateway screening (GWS).
2. If the OPC should not be allowed to pass through the network, no action is necessary.

1006 - GWS rcvd DPC that is not allowed

This message indicates the EAGLE 5 ISS received an MSU with a destination point code (DPC) that is not allowed in gateway screening (GWS).

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.1006    CARD 1205,A  INFO   GWS rcvd DPC that is not allowed
SIO=b2   OPC=003-237-000  DPC=003-003-003
```

```
H0H1=23  AFTPC=03-03-03
SR=osp3   LSN=A1234567
```

Note:

Four outputs are possible. The Legend includes abbreviations found in all variations.

Legend

ADDR	Address
AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)
AI	Address Indicator
CDPA	Called party address
CGPA	Calling party address
DATA	Information from the upper layers of SCCP management
DPC	Destination point code
H0H1	H0/H1 heading code
LSN	Linkset name. The name must be unique.
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SCCP MT	SCCP message type
SCMG	SCCP management message
SIO	Service information octet
SR	Screening reference name
SSN	Subsystem number
TT	Translation type
TYPE	SCCP management message type

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

Recovery

1. If this destination point code (DPC) is one that should be allowed to pass through the network, add the DPC to the gateway screening (GWS) tables assigned to the link reporting this message.

   Use the `ent-scr-dpc` command to add the DPC to the list of allowed DPC codes. Refer to the Database *Administration Manual*- Gateway Screening for instructions on adding a DPC to gateway screening (GWS).
2. If the DPC should not be allowed to pass through the network, no action is necessary.

1007 - GWS rcvd OPC that is blocked

This message indicates the EAGLE 5 ISS received an MSU from an origination point code (OPC) that is blocked from this network by gateway screening (GWS).

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.1007    CARD 1205,A  INFO   GWS rcvd OPC that is blocked
SIO=93   OPC=001-001-004  DPC=003-003-003
H0H1=31  AFTPC=03-03-03
SR=osp3   LSN=A1234567
```

Note:

Four outputs are possible. The Legend includes abbreviations found in all variations.

Legend

ADDR	Address
AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)
AI	Address Indicator
CDPA	Called party address
CGPA	Calling party address
DATA	Information from the upper layers of SCCP management
DPC	Destination point code
H0H1	H0/H1 heading code
LSN	Linkset name. The name must be unique.
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SCCP MT	SCCP message type
SCMG	SCCP management message
SIO	Service information octet
SR	Screening reference name
SSN	Subsystem number
TT	Translation type
TYPE	SCCP management message type

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

Recovery

1. If this origination point code (OPC) should be allowed to send messages through the network, use the command `dlt-scr-blkopc` to delete the OPC from the blocked OPC screen set assigned to this link.
2. If this OPC should be blocked from entering this network, no further action is necessary.

1008 - GWS rcvd DPC that is blocked

This message indicates the EAGLE 5 ISS received an MSU from a destination point code (DPC) that is blocked from this network by gateway screening (GWS).

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.1008    CARD 1205,A  INFO   GWS rcvd DPC that is blocked
SIO=b2   OPC=007-008-000  DPC=003-003-003
H0H1=32  AFTPC=03-03-03
SR=osp3   LSN=A1234567
```

Note:

Four outputs are possible. The Legend includes abbreviations found in all variations.

Legend

ADDR	Address
AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)
AI	Address Indicator
CDPA	Called party address
CGPA	Calling party address
DATA	Information from the upper layers of SCCP management
DPC	Destination point code
H0H1	H0/H1 heading code
LSN	Linkset name. The name must be unique.
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SCCP MT	SCCP message type
SCMG	SCCP management message
SIO	Service information octet
SR	Screening reference name
SSN	Subsystem number

TT	Translation type
TYPE	SCCP management message type

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

Recovery

1. If this destination point code (DPC) should be allowed to send messages through the network, use the command `dlt-scr-blkdpc` to delete the DPC from the blocked DPC screen set assigned to this link.
2. If this DPC should be blocked from entering this network, no further action is necessary.

1009 - GWS rcvd SIO that is not allowed

This message indicates that gateway screening (GWS) has discarded an MSU that is not allowed in the network.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.1009    CARD 1205,B  INFO   GWS rcvd SIO that is not allowed
SIO=b2   OPC=003-237-000  DPC=003-003-003
H0H1=33  AFTPC=03-03-03
SR=osp3   LSN=A1234567
```

Note:

Four outputs are possible. The Legend includes abbreviations found in all variations.

Legend

ADDR	Address
AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)
AI	Address Indicator
CDPA	Called party address
CGPA	Calling party address
DATA	Information from the upper layers of SCCP management
DPC	Destination point code
H0H1	H0/H1 heading code
LSN	Linkset name. The name must be unique.
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SCCP MT	SCCP message type

SCMG	SCCP management message
SIO	Service information octet
SR	Screening reference name
SSN	Subsystem number
TT	Translation type
TYPE	SCCP management message type

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

Recovery

1. This indicates that a MSU was discarded because it failed screening.

   No action is necessary, unless the MSU should have passed. If the MSU should have passed (verified by the fields displayed in the above message), go to Step 2.
2. Using the `rtrv-scr-sio` command, verify that the screening reference specified in the above message does not allow MSUs with the SI/*H0/H1* values indicated.
3. If the MSU should have passed screening, use the `ent-scr-sio` command to add the si data to the screening reference assigned to this link.

1010 - GWS rcvd a priority that is not allowed

This message indicates gateway screening (GWS) has discarded an MSU because the priority is listed as one that is not allowed in this network.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.1010    CARD 1205,A  INFO   GWS rcvd a priority that is not allowed
SIO=0a   OPC=003-242-000  DPC=000-071-000
H0H1=54  AFTPC=03-03-03
SR=osp3   LSN=A1234567
```

Note:

Four outputs are possible. The Legend includes abbreviations found in all variations.

Legend

ADDR	Address
AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)
AI	Address Indicator
CDPA	Called party address
CGPA	Calling party address
DATA	Information from the upper layers of SCCP management
DPC	Destination point code
H0H11	H0/H1 heading code

LSN	Linkset name. The name must be unique.
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SCCP MT	SCCP message type
SCMG	SCCP management message
SIO	Service information octet
SR	Screening reference name
SSN	Subsystem number
TT	Translation type
TYPE	SCCP management message type

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

Recovery

1. This indicates that a MSU was discarded because it failed screening.

   No action is necessary, unless the MSU should have passed. If the MSU should have passed (verified by the fields displayed in the above message), go to Step 2.
2. Using the `rtrv-scr-sio` command, verify that the screening reference specified in the above message does not allow MSUs with the priority value indicated.
3. If the MSU should have passed screening, use the `chg-scr-sio` command to add the pri data to the screening reference.

1011 - GWS rcvd TFC, AFTPC not in routing tbl

This indicates that a transfer controlled message was received by a gateway link and failed screening because of an affected point code value in the message.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST  EAGLE 35.0.0
0100.1011    CARD 1105,B  INFO   GWS rcvd TFC, AFTPC not in routing
tblSIO=0a   OPC=003-243-000  DPC=000-024-000
H0H1=35   AFTPC=099-099-003
SR=osp3    LSN=A1234567
```

Legend

AFTPC	Affected point code (for SCCP messages)
DPC	Destination point code
H0H1	H0/H1 heading 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

1. Verify the affected point code in the message, and verify whether the affected point code is required to be in the EAGLE 5 ISS routing tables.
2. If the affected point code is not required to be in the EAGLE 5 ISS routing tables, no further action is necessary.
3. If the affected point code is required to be in the EAGLE 5 ISS routing table, use the `ent-dstn` command to add the affected point code to the EAGLE 5 ISS routing tables.

1012 - GWS rcvd Clg Party that is not allowed

This indicates an MSU was received on a gateway link but failed screening because of the SCCP calling party address.

Example 1 (non-SCMG)

```
RLGHNCXA21W 00-04-18 18:59:23 EST  EAGLE 31.3.0
0101.1012    CARD 1205,B1  INFO   GWS rcvd Clg Party that is not
allowedSIO=0a   OPC=003-244-000  DPC=000-071-000
SCCP MT=  18
CDPA:  AI=10  PC=003-003-003  SSN=005  TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA:  AI=10  PC=004-004-004  SSN=005  TT=251
ADDR=ABCDEF1234567890ABCDE
SR=scrb     LSN=A1234567
```

Example 2 (SCMG)

```
RLGHNCXA21W 00-04-18 18:59:30 EST  EAGLE 31.3.0
0102.1012    CARD 1205,B1  INFO   GWS rcvd Clg Party that is not
allowedSIO=03  OPC=003-245-000  DPC=001-004-000
SCMG:    TYPE=000  AFTPC=003-003-003
MULT=000  AFTSS=005
SR=scrb  LSN=A1234567
```

Legend

ADDR	Address
AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)
AI	Address Indicator
CDPA	Called party address
CGPA	Calling party address
DATA	Information from the upper layers of SCCP management
DPC	Destination point code
H0H1	H0/H1 heading code

LSN	Linkset name. The name must be unique.
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SCCP MT	SCCP message type
SCMG	SCCP management message
SIO	Service information octet
SR	Screening reference name
SSN	Subsystem number
TT	Translation type
TYPE	SCCP management message type

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

Recovery

1. This output indicates that a SCCP message was discarded because it failed screening.

   No action is necessary, unless the message should have passed. If the message should have passed (verified by the fields displayed in the above message), continue with *Step 2* on page 325.

2. Using the `rtrv-scr-cgpa` command, verify that the screen name specified in the output does not allow SCCP messages.

   Check the following fields in the output:

   - For non-SCMG messages, check the SCCP MT, SSN, and OPC
   - For SCMG messages, check the TYPE, AFTSS, and AFTPC (or OPC if the AFTPC is not present)

3. If the SCCP message should have passed screening, use the `ent-scr-cgpa`or`chg-scr-cgpa` command to add the appropriate information to the screening reference.

1013 - GWS rcvd Cld Party that is not allowed

This indicates an MSU was received on a gateway link but failed screening because of the called party value in the SCCP called party address field.

Example

The following is an output example when an SCCP management message, such as SSP, SST, SSA, or SSC generates this UIM.

```
RLGHNCXA21W 00-04-18 18:59:30 EST  EAGLE 35.0.0
0102.1013    CARD 1205,B  INFO   GWS rcvd Cld Party that is not allowed
SIO=03  OPC=003-245-000  DPC=001-004-000
SCMG:    TYPE=000  AFTPC=003-003-003
MULT=000  AFTSS=005
```

```
SR=scrb  LSN=A1234567
Report Date:06-09-13  Time:00:13:22
```

The following is an output example when an SCCP report message, such as UDT, UDTS, or XUDT, generates this UIM.

```
RLGHNCXA21W 00-04-18 18:59:30 EST  EAGLE 35.0.0
0185.1005    CARD 1101,A2  INFO      GWS rcvd OPC that is not allowed
SIO=03   OPC=007-021-067       DPC=005-022-019
SCCP MT=018
CDPA: AI=05 PC=005-006-007      SSN=006 TT=007
ADDR=0
CGPA: AI=14 PC=015-016-017      SSN=022 TT=023
ADDR=9194603655
SR=scr1  LSN=ABCD123
Report Date:02-07-21  Time:16:20:19
```

Legend

AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)
DPC	Destination point code
LSN	Linkset name. The name must be unique.
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
SCMG	SCCP management message
SIO	Service information octet
SR	Screening reference name
TYPE	SCCP management message type

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

Recovery

1. This output indicates that a SCCP message was discarded because it failed screening.

   No action is necessary, unless the message should have passed. If the message should have passed (verified by the fields displayed in the above message), go to *Step 2* on page 326.
2. Using the `rtrv-scr-cdpa` command, verify that the screening reference specified in the above message does not allow SCCP messages with the called party address indicated.
3. If the SCCP message should have passed screening, use the `ent-scr-cdpa` command to add the called party address to the screening reference.

1014 - GWS rcvd Translation Type not allowed

This indicates an MSU requiring global title was received on a gateway link but failed screening because of the translation type indicated in the message.

Example

```
RLGHNCXA21W 00-04-18 18:59:23 EST  EAGLE 31.3.0
0101.1014    CARD 1205,B  INFO   GWS rcvd Translation Type not allowed
SIO=0a   OPC=003-244-000  DPC=000-071-000
SCCP MT=  18
```

```
CDPA:  AI=10  PC=003-003-003  SSN=005  TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA:  AI=10  PC=004-004-004  SSN=005  TT=251
ADDR=ABCDEF1234567890ABCDE
SR=scrb   LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SCCP MT	SCCP message type
SIO	Service information octet
SR	Screening reference name
SSN	Subsystem number
TT	Translation type

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

Recovery

1. This output indicates that an MSU requiring global title translation was discarded because it failed screening.

   No action is necessary, unless the message should have passed. If the message should have passed (verified by the fields displayed in the above message), go to *Step 2* on page 327.

2. Using the `rtrv-scr-tt` command, verify that the screen name specified in the above message does not allow MSUs with the translation type indicated.
3. If the MSU should have passed screening, use the `ent-scr-tt` command to add the translation type to the screening reference.

1015 - GWS rcvd SCMG with not allowed AFTPC

This message indicates that an SCCP management message (SCMG) was received on a gateway link and failed gateway screening because of the affected point code.

Example

```
RLGHNCXA21W 00-04-18 18:59:30 EST  EAGLE 31.3.0
0102.1015    CARD 1205,B  INFO   GWS rcvd Cld Party that is not allowed
SIO=03   OPC=003-245-000  DPC=001-004-000
SCMG:    TYPE=000  AFTPC=003-003-003
```

```
MULT=000  AFTSS=005
SR=scrb  LSN=A1234567
```

Legend

AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)
DPC	Destination point code
LSN	Linkset name. The name must be unique.
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
SCMG	SCCP management message
SIO	Service information octet
SR	Screening reference name
TYPE	SCCP management message type

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

Recovery

1. This output indicates that an SCCP management message was discarded because it failed screening.

   No action is necessary, unless the message should have passed. If the message should have passed (verified by the fields displayed in the above message), go to *Step 2* on page 328.

2. Using the `rtrv-scr-aftpc` command, verify that the screening reference specified in the above message does not allow SCCP management messages with the affected point code indicated.
3. If the message should have passed screening, use the `ent-scr-aftpc` command to add the affected point code to the screening reference.

1016 - MTP Adj PC not in routing table

This message indicates that an MSU was received with an adjacent point code not found in the EAGLE 5 ISS routing table.

Example

```
RLGHNCXA21W 00-11-18 19:12:00 EST  EAGLE 35.0.0
0147.1016    CARD 1201,A  INFO   MTP Adj PC not in routing table
OPC=001-001-001  CPC=002-002-002
LSN=lsn01a
```

Legend

CPC	Capability point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code

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

Recovery

1. This output indicates that an MSU was discarded because the DPC did not appear in the system linkset table.

   Network messages are valid only from adjacent point codes.

2. If the MSU should have passed screening, use the `chg-scr-sio` command to add the pri data to the screening reference.

1017 - MTP Message Received for Network 255

This message indicates that the network routing feature is on and the EAGLE 5 ISS has detected network management messages concerning network 255. The network routing feature cannot be used when the EAGLE 5 ISS is used with network 255.

Example

```
RLGHNCXA21W 00-04-18 18:59:58 EST  EAGLE 31.3.0
0105.1017   CARD 1201,A  INFO   MTP Message Received for Network 255
SIO=08   OPC=003-247-000  DPC=002-000-000
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
SR=osp3  LSN=A1234567
```

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

This message is an indication serious network management problems.

Contact the *Customer Care Center* on page 4.

1018 - REPT-MTPERR: MTP rcvd invalid SIO

A MSU is discarded when the EAGLE 5 ISS is unable to perform MTP-level routing.

Example

```
RLGHNCXA21W 00-04-18 19:09:14 EST  EAGLE 31.3.0
0140.1018  CARD 1201,A  INFO REPT-MTPERR: MTP rcvd invalid SIO
SIO=07   OPC=001-001-001   DPC=002-002-002
LSN=A1234567
```

Legend

DPC	Destination point code

LSN	Linkset name. The name must be unique.
OPC	Origination point code
SIO	Service information octet

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

Recovery

1. This indicates that a MSU was discarded because of an undefined point code or an invalid SIO.

   This message is displayed only when the total number of discarded SIOs is less than a specified limit over a specified period time. No action is necessary, unless the MSU should have passed. If the MSU should have passed (verified by the fields displayed in the above message), go to *Step 2* on page 330
2. Using the `rtrv-scr-sio` command, verify that the screening reference specified in the above message does not allow MSUs with the value indicated.
   a) If the MSU should have passed screening, use the `chg-scr-sio` command to add the appropriate data to the screening reference.
   b) If the SIO is not one that the EAGLE 5 ISS should be able to route to, no action is necessary.

1019 - SCCP rcvd invalid UDTS/XUDTS msg

SCCP received a user data service (UDTS)/extended user data service (XUDTS) message from the network that was discarded because of an invalid message type indicator.

Example

```
RLGHNCXA21W 00-04-18 19:00:05 EST  EAGLE 31.3.0
0106.1019    CARD 1103,A  INFO   SCCP rcvd invalid UDTS/XUDTS msg
SIO=03   OPC=003-251-000  DPC=001-004-000
CDPA: SSN=005    TT=250
CGPA: SSN=000    TT=000
RETURN CAUSE=001
DATA=26 80 03 09 0e 06 09 00 fe 08 50 55 05
43 00 00 00 00 00
LSN=A1234567
```

Legend

CDPA	Called party address
CGPA	Calling party address
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
return cause	Identifies the reason for the returned message (for connectionless protocols)
SIO	Service information octet
SSN	Subsystem number

TT	Translation type

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

Recovery

This indicates that SCCP received a UDTS/XUDTS message that was discarded because the message type field contained a value invalid in the system.

No action is necessary.

Note:

The UDTS/XUDTS message is used in the SCCP protocol to indicate an error in a UDT message. The UDT was sent to another node, an error was found, and the UDTS/XUDTS message was returned with the following fields:

- Message type
- Return cause
- Called party address
- Calling party address
- Data

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).

1023 - SCCP rcvd unknown msg type

The SCCP received a message from the network that was discarded because of an unknown message type indicator.

Example

```
RLGHNCXA21W 00-04-18 19:01:09 EST  EAGLE 31.3.0
0109.1023    CARD 1103,A  INFO   SCCP rcvd unknown msg type
SIO=0a   OPC=003-255-000  DPC=000-024-000
DATA=26 80 03 09 0e 06 09 00 fe 08 50 55 05
43 00 00 00 00 00
LSN=A1234567
```

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

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

Recovery

The SCCP received a message that was discarded because the message type field contained an invalid field for the system.

No action is necessary.

1024 - SCCP rcvd inv msg length

The SCCP received a message from the network that was discarded because of an invalid message length.

Example

```
RLGHNCXA21W 00-04-18 19:01:15 EST  EAGLE 31.3.0
0110.1024    CARD 1103,A  INFO   SCCP rcvd inv msg length
SIO=0a   OPC=004-000-000  DPC=000-071-000
DATA=26 80 03 09 0e 06 09 00 fe 08 50 55 05
43 00 00 00 00 00
LSN=A1234567
```

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

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

Recovery

The SCCP received a message that was discarded because the message length field contained an invalid field for the system.

No action is necessary.

1025 - SCCP rcvd inv msg class

The SCCP received a message from the network that was discarded because of an invalid message class.

Example

```
RLGHNCXA21W 00-04-18 19:01:40 EST  EAGLE 31.3.0
0111.1025    CARD 1103,A  INFO   SCCP rcvd inv msg class
SIO=0a   OPC=004-001-000  DPC=000-071-000
CDPA SS=000    CDPA TT=000
CGPA SS=000    CGPA TT=000
CLASS=000      MSG TYPE=00
LSN=A1234567
```

Legend

CDPA	Called party address
CGPA	Calling party address
class	Message classl
DPC	Destination point code
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
OPC	Origination point code
SIO	Service information octet
SS	Subsystem
TT	Translation type

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

Recovery

The SCCP received a message that was discarded because the message class field contained an invalid value for the system.

No action is necessary.

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.

1029 - SCCP rcvd inv Cld Party - bad GT ind

The SCCP received a message from the network that was discarded because of a bad global title indicator in the called party address.

Example

```
RLGHNCXA21W 00-04-18 19:02:05 EST  EAGLE 31.3.0
0112.1029    CARD 1103,A1  INFO   SCCP rcvd inv Cld Party - bad GT ind
SIO=03   OPC=001-001-001  DPC=002-002-002
CDPA LENGTH=000   MSG TYPE=04
CDPA: AI=10 PC=003-003-003 SSN=005 TT=250
ADDR=12345678901234567890
DATA=3a e2 38 c7 04 56 04 72 e0 e8 30 e9
2e cf 01 00 d0 02 83 01 f2 25 aa 0b
84 09 01 00 11 0a 19 49
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CDPA LENGTH	Called party address length
CGPA	Calling party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.

MSG TYPE	Message type
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

The SCCP received a message that was discarded because the global title field in the called party address was invalid in the EAGLE 5 ISS.

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.

1033 - SCCP rcvd inv Cld Party - bad network

The SCCP received a message from the network that it could not route and was discarded because of an invalid network indicator in the called party address.

Example

```
RLGHNCXA21W 00-04-18 19:02:12 EST  EAGLE 31.3.0
0113.1033    CARD 1103,A1  INFO   SCCP rcvd inv Cld Party - bad network
SIO=03   OPC=001-001-001  DPC=002-002-002
CDPA LENGTH=000   MSG TYPE=04
CDPA: AI=10 PC=003-003-003 SSN=005 TT=250
ADDR=12345678901234567890
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CDPA LENGTH	Called party address length
CGPA	Calling party address
DPC	Destination point code
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

This indicates that SCCP discarded a message because the network indicator (national or international) provided in the called party address is invalid in the EAGLE 5 ISS.

No action is necessary.

1034 - SCCP rcvd inv Cld Party - no SSN

The SCCP received a message from the network that it could not route and was discarded because no subsystem number was present in the called party address.

Example

```
RLGHNCXA21W 00-04-18 19:02:41 EST  EAGLE 31.3.0
0114.1034    CARD 1201,A  INFO   SCCP rcvd inv Cld Party - no SSN
SIO=03   OPC=001-001-001  DPC=002-002-002
CDPA LENGTH=000   MSG TYPE=04
CDPA: AI=10 PC=003-003-003  SSN=005  TT=250
ADDR=12345678901234567890
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CDPA LENGTH	Called party address length
CGPA	Calling party address
DPC	Destination point code
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

The sender of the discarded message is using an invalid message format.

If there is only one occurrence, no action is necessary. However, if the condition continues, there may be a problem at the node that is sending the invalid message. Contact that node and inform them of the problem.

1035 - SCCP rsp did not route - invalid GTI

This message indicates the SCCP response did not route because of an invalid GTI in the calling party of the query.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1035    CARD 1103,A     INFO    SCCP rsp did not route - invalid GTI
           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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1035    CARD 1103,A     INFO    SCCP rsp did not route - invalid GTI
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet

SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

Change the message to include a valid GTI in the CGPA part of the query.

Specify GTI=2 for ANSI, and specify GTI=2 or GTI=4, as appropriate for ITU.

1036 - SCCP rsp did not route - invalid TT

This message indicates the SCCP response did not route because of an invalid TT in the calling party of the query.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1036    CARD 1103,A     INFO    SCCP rsp did not route - invalid TT
           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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1036    CARD 1103,A     INFO    SCCP rsp did not route - invalid TT
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator

LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

Provision the CGPA TT in the GTT TT table using the `ent-tt` command.

1037 - SCCP rsp did not route - bad Xlation

This message indicates the SCCP response did not route because of an invalid translation in the calling party of the query.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1037    CARD 1103,A     INFO    SCCP rsp did not route - bad Xlation
           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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1037    CARD 1103,A     INFO    SCCP rsp did not route - bad Xlation
           SIO=03   OPC=001-001-001      DPC=002-002-002
```

```
SCCP MSG TYPE=04
  GTT on CdPA used MOSMSGTA=9193802053
CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
       TT=250  NP=04  NAI=010  ADDR=123456789012345678901
       PC=003-003-003       SSN=005
CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
       TT=100  NP=07  NAI=012  ADDR=012345678901234567890
       PC=001-001-001       SSN=004
LSN=ABCD123  GTTSET=3 203 46
Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

Provision the CGPA GTA address in the GTT database using the `ent-gtt` command.

1038 - SCCP rsp did not route -SSP not True PC

This message indicates the SCCP response did not route because the SSP (OPC or CGPA Point Code) is not the True Point Code.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1038    CARD 1103,A     INFO    SCCP rsp did not route -SSP not True PC
           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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1038    CARD 1103,A     INFO    SCCP rsp did not route -SSP not True PC
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet

SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

Change the message to use the True Point Code in the CGPA point code or OPC of the query.

Note: The True Point Code is the primary PC of the route, not an ALIAS PC.

1039 - SCCP rsp did not route - bad Selectors

This message indicates the SCCP response did not route because of invalid selectors (e.g., GTI, TT, NP, NAI) in the calling party of the query.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1039    CARD 1103,A     INFO    SCCP rsp did not route - bad Selectors
           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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1039    CARD 1103,A     INFO    SCCP rsp did not route - bad Selectors
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator

LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

Provision the CGPA GTI, TT, NP, and NAI in the EGTT selector table using the commands `ent-gttsel` (to assign global title selectors to a GTT set for EGTT) and `ent-gttset` (to specify the attributes for a new GTT set).

1040 - ITU <-> ANSI translation not supported

This message indicates an invalid translation PC type in attempting to cross the ANSI to ITU domain.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1040    CARD 1103,A     INFO    ITU <-> ANSI translation not supported
             TRANSLATED PC=003-003-003       TRANSLATED SS=005
             CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                    PC=003-003-003       SSN=005
             CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                    PC=001-001-001     SSN=004
             LSN=ABCD123  GTTSET=3 (8)
             Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1040    CARD 1103,A     INFO    ITU <-> ANSI translation not supported
             TRANSLATED PC=003-003-003       TRANSLATED SS=005
                GTT on CdPA used MOSMSGTA=9193802053
             CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                    PC=003-003-003       SSN=005
             CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                    PC=001-001-001     SSN=004
             LSN=ABCD123  GTTSET=3 (8)
             Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TRANSLATED PC	Translated point code
TRANSLATED SS	Translated subsystem
TT	Translation type

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

Recovery

Change the translation PC type to not cross the domain (ANSI <-> ITU), by using the appropriate GTT/GTA commands.

Refer to the *EPAP Administration Manual*.

1041 - SCCP did not route -no SSN in msg or DB

This message indicates the SCCP message did not route because the SSN was not found in the message or translation data.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1041    CARD 1103,A     INFO    SCCP did not route -no SSN in msg or DB
           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=12345678901234567890l
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1041    CARD 1103,A     INFO    SCCP did not route -no SSN in msg or DB
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=12345678901234567890l
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value

NP	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

Change the message to include the CDPA SSN in the message or provision the SSN in the translation table.

You can change the translation table by using the appropriate GTT (`ent-gtt` or `ent-gta`) or the EPAP commands.

Refer to the *Commands Manual* or the EPAP *Administration Manual,* respectively for details.

1042 - SCCP rcvd inv GT - bad Translation Type

The SCCP received a message from the network requiring global title translation but the message was discarded because the system did not recognize the translation type.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1042    CARD 1103,A     INFO    SCCP rcvd inv GT - bad Translation Type
           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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1042    CARD 1103,A     INFO    SCCP rcvd inv GT - bad Translation Type
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
```

```
  GTT on CdPA used MOSMSGTA=9193802053
CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
       TT=250  NP=04  NAI=010  ADDR=123456789012345678901
       PC=003-003-003       SSN=005
CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
       TT=100  NP=07  NAI=012  ADDR=012345678901234567890
       PC=001-001-001       SSN=004
LSN=ABCD123  GTTSET=3 203 46
Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
AI	Address Indicator
CDPA LENGTH	Called party address length
CGPA	Calling party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

1. This indicates a SCCP message was received with an invalid global title.

   The translation type indicator was invalid in the EAGLE 5 ISS. If this message should have been routed (verified by the output shown above), continue to *Step 2* on page 348.

2. Use the command `rtrv-tt`, and verify that the indicated translation type does not appear in the translation types table.
3. If there is no entry for the translation type indicated in the message, and there should be, use the `ent-tt` command to add the translation type to the Eagle STP translation type table.

   Refer to the Database *Administration Manual* - Global Title Translation for more information about entering translation types.

1043 - SCCP did not route - bad translation

The SCCP did not route a message because it could not translate the global title. The message was discarded.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0241.1043    CARD 1101,A1  INFO      SCCP did not route - bad translation
                SIO=03   OPC=1-200-2           DPC=3-054-4
                CDPA LENGTH=019   MSG TYPE=04
                CDPA: AI=05 PC=1-050-1          SSN=006 TT=007
                      ADDR=ABCDEF0123456789ABCDE
                LSN=ABCD123
                Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0241.1043    CARD 1101,A1  INFO      SCCP did not route - bad translation
                SIO=03   OPC=1-200-2           DPC=3-054-4
                CDPA LENGTH=019   MSG TYPE=04
                   GTT on CdPA used MOSMSGTA=9193802053
                CDPA: AI=05 PC=1-050-1          SSN=006 TT=007
                      ADDR=ABCDEF0123456789ABCDE
                LSN=ABCD123
                Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
AI	Address Indicator
CDPA LENGTH	Called party address length
CGPA	Calling party address
DPC	Destination point code
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

The SCCP received a message with a global title translation it could not interpret.

The message was discarded. Check translations on the originating switch to determine the trouble.

1044 - SCCP did not route - DPC OOS

The SCCP did not route a message because the destination point code (DPC) was out-of-service (OOS). The message was discarded.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0246.1044    CARD 1101,A1  INFO      SCCP did not route - DPC OOS
             OPC=1-200-2
             TRANSLATED PC=5-038-6           TRANSLATED SS=202
             CDPA LENGTH=019            MSG TYPE=04
             CDPA: AI=05 PC=1-050-1          SSN=006 TT=007
                   ADDR=ABCDEF0123456789ABCDE
             LSN=ABCD123
             Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0246.1044    CARD 1101,A1  INFO      SCCP did not route - DPC OOS
             OPC=1-200-2
             TRANSLATED PC=5-038-6           TRANSLATED SS=202
             CDPA LENGTH=019            MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
             CDPA: AI=05 PC=1-050-1          SSN=006 TT=007
                   ADDR=ABCDEF0123456789ABCDE
             LSN=ABCD123
             Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
AI	Address Indicator
CDPA LENGTH	Called party address length
CGPA	Calling party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SIO	Service information octet
SSN	Subsystem number

TT Translation type

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

Recovery

1. Check the route and linksets by entering the `rept-stat-dstn` and `rept-stat-ls` commands.
2. Verify the link status using the `rept-stat-slk` command.

   For example, enter:

   `rept-stat-slk:loc=:port=b`

   Following is an example of the output:

```
    RLGHNCXA03W 00-09-27 17:00:36 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.
```

3. Check the UNAVAIL REASON field in the output of the `rept-stat-slk` command.

   Following is an explanation of the UNAVAIL REASON codes:

   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.

   FC – The signaling link is unavailable because of false congestion.

   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.

4. 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.

5. 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.
6. 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*.

   a) If the UNAVAIL REASON indicates a locally inhibited link, enter the `unhb-slk` command with the specified card location.

   b) If the UNAVAIL REASON indicates a locally blocked link, enter the `ublk-slk` command with the specified card location.

7. Otherwise, this indicates a failure at the distant node.

Routing to this node has been halted as a result of network management. Maintenance personnel should be aware of the OOS condition, but no action is necessary. Monitor the links to the DPC and verify the DPC status changes to IS-NR (In-Service - Normal).

1045 - SCCP did not route - DPC congested

The SCCP did not route a message because the destination point code (DPC) was congested. The message was discarded.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0246.1045    CARD 1101,A1  INFO      SCCP did not route - DPC congested
             OPC=1-200-2
             TRANSLATED PC=5-038-6           TRANSLATED SS=202
             CDPA LENGTH=019            MSG TYPE=04
             CDPA: AI=05 PC=1-050-1          SSN=006 TT=007
                   ADDR=ABCDEF0123456789ABCDE
             LSN=ABCD123
             Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0246.1045    CARD 1101,A1  INFO      SCCP did not route - DPC congested
             OPC=1-200-2
             TRANSLATED PC=5-038-6           TRANSLATED SS=202
             CDPA LENGTH=019            MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
             CDPA: AI=05 PC=1-050-1          SSN=006 TT=007
                   ADDR=ABCDEF0123456789ABCDE
             LSN=ABCD123
             Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
AI	Address Indicator
CDPA	Called party address
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SS	Subsystem
SSN	Subsystem number
TT	Translation type

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

Recovery

This indicates an SCCP message was discarded due to congestion at a distant node. Maintenance personnel should monitor the network and verify the nodes congestion status changes to zero (no congestion).

Note:

A transfer controlled (TFC) should have been received on the link to indicate congestion to this node. When the congestion status changes, the congestion status indicator in the flow control messages indicates what message type priorities can be transmitted to the distant node. If the condition persists, follow normal company procedures in dealing with congestion at distant nodes.

1046 - SCCP did not route - DPC not in MAP tbl

SCCP did not route a message because the destination point code was not in the mated application (MAP) table. The message was discarded.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1046    CARD 1103,A     INFO    SCCP did not route - DPC not in MAP tbl
             TRANSLATED PC=003-003-003       TRANSLATED SS=005
             CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                    PC=003-003-003       SSN=005
             CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                    PC=001-001-001     SSN=004
             LSN=ABCD123  GTTSET=3 (8)
             Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1046    CARD 1103,A     INFO    SCCP did not route - DPC not in MAP tbl
             TRANSLATED PC=003-003-003       TRANSLATED SS=005
                GTT on CdPA used MOSMSGTA=9193802053
             CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                    PC=003-003-003       SSN=005
             CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                    PC=001-001-001     SSN=004
             LSN=ABCD123  GTTSET=3 (8)
             Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
AI	Address Indicator
CDPA	Called party address
LSN	Linkset name. The name must be unique.

MSG TYPE	Message type
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SS	Subsystem
SSN	Subsystem number
TT	Translation type

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

Recovery

1. If the DPC indicated in the message should not be routed to, no further action is necessary.
2. If the DPC should be routed to from the EAGLE 5 ISS, use the `ent-map` command to enter the DPC into the mated application (MAP) table.

1047 - SCCP did not route - SS OOS

The SCCP did not route a message because the destination subsystem (SSN) was Out-of -Service. The message was discarded.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0246.1047    CARD 1101,A1  INFO      SCCP did not route - SS OOS
             OPC=1-200-2
             TRANSLATED PC=5-038-6           TRANSLATED SS=202
             CDPA LENGTH=019            MSG TYPE=04
             CDPA: AI=05 PC=1-050-1          SSN=006 TT=007
                   ADDR=ABCDEF0123456789ABCDE
             LSN=ABCD123
             Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0246.1047    CARD 1101,A1  INFO      SCCP did not route - SS OOS
             OPC=1-200-2
             TRANSLATED PC=5-038-6           TRANSLATED SS=202
             CDPA LENGTH=019            MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
             CDPA: AI=05 PC=1-050-1          SSN=006 TT=007
                   ADDR=ABCDEF0123456789ABCDE
             LSN=ABCD123
             Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
AI	Address Indicator

CDPA	Called party address
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SS	Subsystem
SSN	Subsystem number
TT	Translation type

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

Recovery

This indicates that an SCCP was discarded because the DPC SSN to which it was addressed to is out-of-service (OOS).

Contact the distant end node that this message refers to and verify that action is being taken to bring the SCCP back into service.

1048 - SCCP did not route - SS congested

The SCCP did not route a message because the subsystem was congested. The message was discarded.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0246.1048    CARD 1101,A1  INFO      SCCP did not route -  SS congested
             OPC=1-200-2
             TRANSLATED PC=5-038-6           TRANSLATED SS=202
             CDPA LENGTH=019            MSG TYPE=04
             CDPA: AI=05 PC=1-050-1          SSN=006 TT=007
                   ADDR=ABCDEF0123456789ABCDE
             LSN=ABCD123
             Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0246.1048    CARD 1101,A1  INFO      SCCP did not route -  SS congested
             OPC=1-200-2
             TRANSLATED PC=5-038-6           TRANSLATED SS=202
             CDPA LENGTH=019            MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
             CDPA: AI=05 PC=1-050-1          SSN=006 TT=007
                   ADDR=ABCDEF0123456789ABCDE
             LSN=ABCD123
             Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
AI	Address Indicator
CDPA	Called party address
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SS	Subsystem
SSN	Subsystem number
TT	Translation type

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

Recovery

An SCCP message was discarded due to congestion at a subsystem.

Maintenance personnel should monitor the network and verify the subsystems congestion status changes to zero (no congestion).

1049 - SCCP did not route - SS not in MAP tbl

The SCCP did not route a message because the destination subsystem was not in the Mated Application (MAP) table. The message was discarded.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0246.1049    CARD 1101,A1  INFO      SCCP did not route - SS not in MAP tbl
             OPC=1-200-2
             TRANSLATED PC=5-038-6           TRANSLATED SS=202
             CDPA LENGTH=019            MSG TYPE=04
             CDPA: AI=05 PC=1-050-1          SSN=006 TT=007
                   ADDR=ABCDEF0123456789ABCDE
             LSN=ABCD123
             Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0246.1049    CARD 1101,A1  INFO      SCCP did not route - SS not in MAP tbl
             OPC=1-200-2
             TRANSLATED PC=5-038-6           TRANSLATED SS=202
             CDPA LENGTH=019            MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
             CDPA: AI=05 PC=1-050-1          SSN=006 TT=007
                   ADDR=ABCDEF0123456789ABCDE
             LSN=ABCD123
```

```
             Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
AI	Address Indicator
CDPA	Called party address
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SS	Subsystem
SSN	Subsystem number
TT	Translation type

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

Recovery

1. If the subsystem indicated in the message is not a mated application to the EAGLE 5 ISS, no further action is necessary.
2. If the SCCP message should have been routed, use the `ent-map` command to add the subsystem number to the mated application (MAP) table.

1050 - SCCP-CNV: Unable to convert ANSI CDPA GT

This message indicates that a SCCP MSU contained an undefined CDPA PC. The GTCNVDFLT STP Option is not enabled.

Example

```
RLGHNCXA21W 00-04-18 19:02:05 EST  EAGLE 31.3.0
0112.1050  CARD 1103,A1  INFO  SCCP-CNV: Unable to convert ANSI CDPA GT
SIO=03   OPC=001-001-001     DPC=002-002-002
SCCP MSG TYPE=04
CDPA:  NI=1  RI=0    GTI=04  SSNI=1  PCI=1
TT=250   NP=04  NAI=010  ADDR=12345678901234567890
PC=003-003-003  SSN=005
CGPA:  NI=1  RI=0    GTI=04  SSNI=1  PCI=1
TT=100   NP=07  NAI=012  ADDR=01234567890123456789
PC=001-001-001  SSN=004
LSN               =A1234567
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address

GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG GYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

Perform one of the following actions

- Enable the GTCNVDFLT STP Option, which would cause a default GT conversion to occur.

  Refer to the Database *Administration Manual* - Global Title Translation for details.
- Add the proper ANSI to ITU entry (matching TT) into the Default GT Conversion Table.

  Refer to the Database *Administration Manual* - Global Title Translation for details.
- Add a wildcard ANSI to ITU entry into the Default GT Conversion Table.

  Refer to the Database *Administration Manual* - Global Title Translation for details.

1051 - SCCP-CNV: Unable to convert ANSI CGPA GT

This message indicates that a SCCP MSU contained an undefined CGPA PC. The GTCNVDFLT STP Option is not enabled.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1051    CARD 1103,A     INFO    SCCP-CNV: Unable to convert ANSI CGPA GT
          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=123456789012345678901
```

```
                PC=003-003-003       SSN=005
            CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                   TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                   PC=001-001-001       SSN=004
            LSN=ABCD123  GTTSET=3 203 46
            Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1051    CARD 1103,A     INFO    SCCP-CNV: Unable to convert ANSI CGPA GT
          SIO=03   OPC=001-001-001      DPC=002-002-002
            SCCP MSG TYPE=04
              GTT on CdPA used MOSMSGTA=9193802053
            CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                   TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                   PC=003-003-003       SSN=005
            CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                   TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                   PC=001-001-001       SSN=004
            LSN=ABCD123  GTTSET=3 203 46
            Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TRANSLATED PC	Translated point code
TRANSLATED SS	Translated subsystem

TT	Translation type

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

Recovery

Perform one of the following actions:

- Enable the GTCNVDFLT STP Option, which would cause a default GT conversion to occur.

  Refer to the Database *Administration Manual* - Global Title Translation for details.

  OR
- Add the proper ANSI to ITU entry (matching TT) into the Default GT Conversion Table.

  Refer to the Database *Administration Manual* - Global Title Translation for details.

  OR
- Add a wildcard ANSI to ITU entry into the Default GT Conversion Table.

  Refer to the Database *Administration Manual* - Global Title Translation for details.

1052 - SCCP-CNV: Unable to convert ITU CDPA GT

This message indicates that a SCCP MSU contained an undefined CDPA PC. The GTCNVDFLT STP Option is not enabled.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1052    CARD 1103,A     INFO    SCCP-CNV: Unable to convert ITU CDPA GT
           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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1052    CARD 1103,A     INFO    SCCP-CNV: Unable to convert ITU CDPA GT
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                     PC=001-001-001       SSN=004
```

```
             LSN=ABCD123  GTTSET=3 203 46
             Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

Perform one of the following actions:

- Enable the GTCNVDFLT STP Option, which would cause a default GT conversion to occur.

  Refer to the Database *Administration Manual* - Global Title Translation for details.

  OR

- Add the proper ANSI to ITU entry (matching NP/NAI/TT) into the Default GT Conversion Table.

  Refer to the Database *Administration Manual* - Global Title Translation for details.

  OR

- Add a wildcard ITU to ANSI entry into the Default GT Conversion Table.

  Refer to the Database *Administration Manual* - Global Title Translation for details.

1053 - SCCP-CNV: Unable to convert ITU CGPA GT

This message indicates that a SCCP MSU contained an undefined CGPA PC. The GTCNVDFLT STP Option is not enabled.

Example

```
RLGHNCXA21W 00-04-18 19:02:05 EST  EAGLE 31.3.0
0112.1053  CARD 1103,A1  INFO  SCCP-CNV: Unable to convert ITU CGPA GT
SIO=03   OPC=001-001-001     DPC=002-002-002
SCCP MSG TYPE=04
CDPA:  NI=1  RI=0    GTI=04  SSNI=1  PCI=1
TT=250   NP=04  NAI=010  ADDR=123456789012345678901
PC=003-003-003  SSN=005
CGPA:  NI=1  RI=0    GTI=04  SSNI=1  PCI=1
TT=100   NP=07  NAI=012  ADDR=01234567890123456789O
PC=001-001-001  SSN=004
LSN=A1234567
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

Perform one of the following actions:

- Enable the GTCNVDFLT STP Option, which would cause a default GT conversion to occur.

  Refer to the Database *Administration Manual* - Global Title Translation for details.

  OR

- Add the proper ANSI to ITU entry (matching NP/NAI/TT) into the Default GT Conversion Table.

  Refer to the Database *Administration Manual* - Global Title Translation for details.

  OR

- Add a wildcard ITU to ANSI entry into the Default GT Conversion Table.

  Refer to the Database *Administration Manual* - Global Title Translation for details.

1054 - SCCP rcvd inv LSS - bad SSN

The SCCP received a message destined to a local subsystem that was discarded because of a bad subsystem number (SSN).

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0241.1054    CARD 1101,A1  INFO      SCCP rcvd inv LSS - bad SSN
                SIO=03   OPC=1-200-2           DPC=3-054-4
                CDPA LENGTH=019   MSG TYPE=04
                CDPA: AI=05 PC=1-050-1          SSN=006 TT=007
                      ADDR=ABCDEF0123456789ABCDE
                LSN=ABCD123
                Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0241.1054    CARD 1101,A1  INFO      SCCP rcvd inv LSS - bad SSN
                SIO=03   OPC=1-200-2           DPC=3-054-4
                CDPA LENGTH=019   MSG TYPE=04
                   GTT on CdPA used MOSMSGTA=9193802053
                CDPA: AI=05 PC=1-050-1          SSN=006 TT=007
                      ADDR=ABCDEF0123456789ABCDE
                LSN=ABCD123
                Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
gti	Global title indicator
LSN	Linkset name. The name must be unique.
msg type	Message type
nai	Nature of address indicator
ni	Network indicator value

np	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
pci	Protocol control information
	Routing indicator
SIO	Service information octet
SSN	Subsystem number
ssni	Subsystem number indicator
TT	Translation type

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

Recovery

The EAGLE 5 ISS supports only one subsystem.

All other local subsystem numbers are invalid. Check translations on the originating switch to determine the provlem.

1055 - SCCP rcvd inv SCMG - bad AFTPC

SCCP received an SCCP management message (SCMG) that was discarded because of a bad affected point code (AFTPC). The point code does not appear in the EAGLE 5 ISS routing tables.

Example

```
RLGHNCXA21W 00-04-18 19:04:15 EST  EAGLE 31.3.0
0124.1055    CARD 1106  INFO   SCCP rcvd inv SCMG - bad AFTPC
SIO=0a   OPC=004-031-000  DPC=000-071-000
SCMG: MSG TYPE=000  MSG LEN=003
AFTPC=004-219-000  AFTSS=000   MULT=000
LSN=A1234567
```

Legend

AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)
DPC	Destination point code
LSN	Linkset name. The name must be unique.
MSG LEN	Message length
MSG TYPE	Message type
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
SCMG	SCCP management message
SIO	Service information octet

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

Recovery

1. Verify the point code in the message, and verify whether the point code is required to be in the EAGLE 5 ISS routing tables.
2. If the point code is not required to be in the EAGLE 5 ISS routing tables, no further action is necessary.
3. If the point code is required to be in the EAGLE 5 ISS routing table, use the `ent-dstn` command to add the point code to the EAGLE 5 ISS routing tables.

   Refer to the Database *Administration Manual - SS7* for more information about the procedure used to enter point codes to the EAGLE 5 ISS routing tables.

1056 - SCCP rcvd inv SCMG - bad subsystem

SCCP received an SCCP management message (SCMG) that was discarded because of an invalid subsystem.

Example

```
RLGHNCXA21W 00-04-18 19:04:15 EST  EAGLE 31.3.0
0124.1056    CARD 1106  INFO   SCCP rcvd inv SCMG - bad subsystem
SIO=0a   OPC=004-031-000  DPC=000-071-000
SCMG: MSG TYPE=000  MSG LEN=003
AFTPC=004-219-000  AFTSS=000   MULT=000
LSN=A1234567
```

Legend

AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)
DPC	Destination point code
LSN	Linkset name. The name must be unique.
MSG LEN	Message length
MSG TYPE	Message type
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
SCMG	SCCP management message
SIO	Service information octet

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

Recovery

1. Verify the point code in the message, and verify the subsystem number as a valid SSN for the network.
2. Add the subsystem number to the EAGLE 5 ISS map tables using the `ent-map` command.

1057 - SCCP rcvd inv SCMG - bad length

SCCP received an SCCP management message (SCMG) that was discarded because of an invalid length indicator.

Example

```
RLGHNCXA21W 00-04-18 19:04:15 EST  EAGLE 31.3.0
0124.1057    CARD 1106  INFO   SCCP rcvd inv SCMG - bad length
SIO=0a   OPC=004-031-000  DPC=000-071-000
SCMG: MSG TYPE=000  MSG LEN=003
AFTPC=004-219-000  AFTSS=000   MULT=000
LSN=A1234567
```

Legend

AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)
DPC	Destination point code
LSN	Linkset name. The name must be unique.
MSG LEN	Message length
MSG TYPE	Message type
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
SCMG	SCCP management message
SIO	Service information octet

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

Recovery

This message indicates an SCCP message was discarded due to an invalid length indicator.

No further action is necessary.

1058 - SCCP rcvd inv SCMG - bad msg type

SCCP received an SCCP management message (SCMG) that was discarded because of an invalid message type.

Example

```
RLGHNCXA21W 00-04-18 19:05:37 EST  EAGLE 31.3.0
0128.1058    CARD 1106  INFO   SCCP rcvd inv SCMG - bad msg type
SIO=0a   OPC=004-034-000  DPC=000-000-000
SCMG: MSG TYPE=000  MSG LEN=003
AFTPC=004-219-000  AFTSS=000   MULT=000
LSN=A1234567
```

Legend

AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)

DPC	Destination point code
LSN	Linkset name. The name must be unique.
MSG LEN	Message length
MSG TYPE	Message type
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
SCMG	SCCP management message
SIO	Service information octet

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

Recovery

This indicates an SCCP message was discarded due to an invalid message type.

No further action is necessary.

1059 - Telnet terminal connection disconnected

Indicates that an established telnet connection on the EAGLE has disconnected.

Example

```
RLGHNCXA21W 02-08-08 20:52:04 EST  EAGLE 39.0
    5024.1059    CARD 1105     INFO      Telnet terminal disconnected.
                 REASON=Remote End Unreachable
                 RIPADDR=192.168.57.52
                 RIPORT=2336
                 LIPADDR=192.168.53.46
                 LIPORT=23
                 Report Date:02-08-08  Time:20:52:04
```

Legend

LIPADDR	Local IP Address
LIPORT	Local TCP Port Number
REASON	REASON is only displayed when the reason for the disconnection is ping failure. The REASON field is not displayed if the disconnection is due to any other reason.
RIPADDR	Remote IP Address
RIPORT	Remote TCP Port Number

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

Recovery

No action necessary.

1060 - Map Screening cannot generate ATIER

This message is generated because the MSU passed the SCCP conversion before the MAP screening and is of a different domain than the OPC of the inbound MSU. Therefore, the MSU is discarded and the Any Time Interrogation error (ATIER) is not generated.

Example

```
RLGHNCXA21W 00-11-18 18:59:23 EST  EAGLE 35.0.0
0018.1060 CARD 1103    INFO Map Screening cannot generate ATIER
OPC=001-001-001
CDPA:  NI=1     RI=0   GTI=04 SSNI=0  PCI=1
TT=250   NP=04  NAI=010  ADDR=123456789012345678901
PC=003-003-003  SSN=005
CGPA:  NI=1     RI=0   GTI=04 SSNI=0  PCI=1
TT=100   NP=07  NAI=012  ADDR=01234567890123456789O
PC=001-001-001  SSN=004
Op-Code=61  Forbidden Param=N/A  Action=Discard
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
OP-CODE	Operation Code
PARAM	Parameter
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

The MSU indicated in the message was discarded.

No further action is necessary.

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

```
RLGHNCXA21W 00-04-18 19:05:43 EST  EAGLE 31.3.0
0128.1062    CARD 1101  INFO   String Data Dump
LSN=A1234567
```

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

```
RLGHNCXA21W 00-04-18 19:05:43 EST  EAGLE 31.3.0
0128.1063    CARD 1105  INFO   SCCP screen set is too large
```

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.

1064 - GWS rcvd TFP, AFTPC not in routing tbl

The EAGLE 5 ISS has received a transfer controlled (TCP) for an affected point code (AFTPC) which does not appear in the EAGLE 5 ISS routing tables. The message was discarded by Gateway Screening (GWS).

Example

```
RLGHNCXA21W 00-04-18 19:05:52 EST  EAGLE 31.3.0
0129.1064    CARD 1105,A  INFO   GWS rcvd TFP, AFTPC not in routing
tblSIO=b0   OPC=004-040-000  DPC=000-001-000
H0H1=41  AFTPC=099-099-003
SR=scrb   LSN=A1234567
```

Legend

AFTPC	Affected point code (for SCCP messages)
DPC	Destination point code
H0H1	H0/H1 heading 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

Verify the affected point code in the message, and verify whether the affected point code is required to be in the EAGLE 5 ISS routing tables.

- If the affected point code is not required to be in the EAGLE 5 ISS routing tables, no further action is necessary.
- If the affected point code is required to be in the EAGLE 5 ISS routing table, use the `ent-dstn` command to add the affected point code to the EAGLE 5 ISS routing tables.

1065 - GWS rcvd TFR, AFTPC not in routing tbl

The EAGLE 5 ISS has received a transfer restricted (TFR) for an affected point code (AFTPC) which does not appear in the EAGLE 5 ISS routing tables. The message was discarded by gateway screening (GWS).

Example

```
RLGHNCXA21W 00-04-18 19:05:57 EST  EAGLE 31.3.0
0130.1065    CARD 1201,A  INFO   GWS rcvd TFR, AFTPC not in routing tbl
SIO=b0   OPC=004-041-000  DPC=001-000-000
H0H1=43  AFTPC=099-099-003
SR=scrb   LSN=A1234567
```

Legend

AFTPC	Affected point code (for SCCP messages)
DPC	Destination point code
H0H1	H0/H1 heading 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

Verify the affected point code in the message, and verify whether the affected point code is required to be in the EAGLE 5 ISS routing tables.

- If the affected point code is not required to be in the EAGLE 5 ISS routing tables, no further action is necessary.
- If the affected point code is required to be in the EAGLE 5 ISS routing table, use the `ent-dstn` command to add the affected point code to the EAGLE 5 ISS routing tables.

1066 - GWS rcvd TFA, AFTPC not in routing tbl

The EAGLE 5 ISS has received a transfer allowed (TFA) for an affected point code (AFTPC) that does not appear in the EAGLE 5 ISS routing tables. The message was discarded by the gateway screening (GWS) feature.

Example

RLGHNCXA21W 00-04-18 19:06:35 EST EAGLE 31.3.0

0131.1066 CARD 1201,A INFO GWS rcvd TFA, AFTPC not in routing tbl

SIO=b0 OPC=004-042-000 DPC=002-000-000

H0H1=45 AFTPC=099-099-003

SR=scrb LSN=A1234567

Legend

AFTPC	Affected point code (for SCCP messages)
DPC	Destination point code
H0H1	H0/H1 heading 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

Verify the affected point code in the message, and verify whether the affected point code is required to be in the EAGLE 5 ISS routing tables.

- If the affected point code is not required to be in the EAGLE 5 ISS routing tables, no further action is necessary.
- If the affected point code is required to be in the EAGLE 5 ISS routing table, use the `ent-dstn` command to add the affected point code to the EAGLE 5 ISS routing tables.

1067 - GWS rcvd UPU, AFTPC not in routing tbl

The EAGLE 5 ISS has received a user part unavailable (UPU) for an affected point code (AFTPC) which does not appear in the EAGLE 5 ISS routing tables. The message was discarded by gateway screening (GWS).

Example

```
RLGHNCXA21W 00-04-18 19:06:42 EST  EAGLE 31.3.0
0132.1067    CARD 1201,A  INFO   GWS rcvd UPU, AFTPC not in routing
tblSIO=90   OPC=004-043-000  DPC=002-000-000
H0H1=A1  AFTPC=099-099-003
SR=scrb   LSN=A1234567
```

Legend

AFTPC	Affected point code (for SCCP messages)
DPC	Destination point code
H0H1	H0/H1 heading 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

Verify the affected point code in the message, and verify whether the affected point code is required to be in the EAGLE 5 ISS routing tables.

- If the affected point code is not required to be in the EAGLE 5 ISS routing tables, no further action is necessary.
- If the affected point code is required to be in the EAGLE 5 ISS routing table, use the `ent-dstn` command to add the affected point code to the EAGLE 5 ISS routing tables

1068 - GWS rcvd RSP, AFTPC not in routing tbl

The EAGLE 5 ISS has received a signaling route set test prohibited message (RSP) for an affected point code (AFTPC) which does not appear in the EAGLE 5 ISS routing tables. The message was discarded by gateway screening (GWS).

Example

```
RLGHNCXA21W 00-04-18 19:06:48 EST  EAGLE 31.3.0
0133.1068    CARD 1201,A  INFO   GWS rcvd RSP, AFTPC not in routing
tblSIO=b0   OPC=004-044-000  DPC=008-010-000
H0H1=51  AFTPC=099-099-003
SR=scrb   LSN=A1234567
```

Legend

AFTPC	Affected point code (for SCCP messages)
DPC	Destination point code
H0H1	H0/H1 heading 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

Verify the affected point code in the message, and verify whether the affected point code is required to be in the EAGLE 5 ISS routing tables.

- If the affected point code is not required to be in the EAGLE 5 ISS routing tables, no further action is necessary.
- If the affected point code is required to be in the EAGLE 5 ISS routing table, use the `ent-dstn` command to add the affected point code to the EAGLE 5 ISS routing tables.

1069 - GWS rcvd RSR, AFTPC not in routing table

The EAGLE 5 ISS has received a signaling route test set restricted (RSR) for an affected point code (AFTPC) which does not appear in the EAGLE 5 ISS routing tables. The message was discarded by gateway screening (GWS).

Example

```
RLGHNCXA21W 00-04-18 19:07:27 EST  EAGLE 31.3.0
0134.1069   CARD 1201,A  INFO   GWS rcvd RSR with AFTPC not in routing tbl
SIO=b0   OPC=004-045-004  DPC=002-072-002
H0H1=52  AFTPC=099-099-003
SR=scrb   LSN=A1234567
```

Legend

AFTPC	Affected point code (for SCCP messages)
DPC	Destination point code

H0H1	H0/H1 heading 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

Verify the affected point code in the message, and verify whether the affected point code is required to be in the EAGLE 5 ISS routing tables.

- If the affected point code is not required to be in the EAGLE 5 ISS routing tables, no further action is necessary.
- If the affected point code is required to be in the EAGLE 5 ISS routing table, use the `ent-dstn` command to add the affected point code to the EAGLE 5 ISS routing tables.

1070 - SLTC failure: invalid Point Code (OPC)

The signaling link test control has reported an invalid point code in the signaling link test message (SLTM) received from the far end. The point code for the adjacent signaling point does not match the point code in the adjacent point code field in the linkset table.

Example

```
RLGHNCXA21W 00-04-18 19:08:05 EST  EAGLE 31.3.0
0135.1070    CARD 1201,A  INFO   SLTC failure: invalid Point Code
(OPC)SIO=0a   OPC=003-236-000  DPC=000-071-000
LSN=A1234567
```

Legend

DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
SIO	Service information octet

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

Recovery

1. Enter the following command to display the linkset names and the adjacent point codes:
   `rtrv-ls`
   Following is an example of the output:

```
RLGHNCXA03W 00-06-10 11:43:04 EST EAGLE 35.0.0
                                L3T SLT             GWS GWS GWS
LSN          APCA   (SS7)  SCRN  SET SET BEI LST LNKS ACT MES DIS SLSCI NIS
lsa1         240-020-000   none  1   1   no  A   1    off off off no    off
lsa2         240-030-000   none  1   1   no  A   3    on  on  on  yes   off

Link set table is (114 of 255)  45 % FULL
```

2. The adjacent point code should match the adjacent point code in the message (004-046-000, for example).

   If it does not match, the link is not physically connected to the adjacent node. Determine the correct linkset name and adjacent point code. Use the `ent-ls` command to enter the correct information in the linkset table.

1071 - SLTC failure: invalid SLC

The signaling link test control has reported an invalid signaling link code (SLC) in the signaling link test message (SLTM) received from the far end.

Example

```
RLGHNCXA21W 00-04-18 19:08:13 EST  EAGLE 31.3.0
0136.1071    CARD 1201,A  INFO   SLTC failure: invalid SLC
ADJ PC=004-046-000    SLC=02     LEN=0f
DATA= 01 02 03 04 05 06 07 08 09 11 12 13 14 15
```

Legend

ADJ PC	Adjacent point code
DATA	Information from the upper layers of SCCP management
LEN	Data length
SLC	Signaling link code

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

Recovery

Contact the far-end to make sure both ends have provisioned the same SLC for the signaling link.

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

```
RLGHNCXA21W 00-04-18 19:08:21 EST  EAGLE 31.3.0
0137.1072    CARD 1201,A  INFO   SLTC failure:no response
ADJ PC=004-046-000    SLC=02     LEN=0f
DATA= 01 02 03 04 05 06 07 08 09 11 12 13 14 15
```

Legend

ADJ PC	Adjacent point code
DATA	Information from the upper layers of SCCP management
LEN	Data length
SLC	Signaling link code

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.

1073 - SLTC failure: bad data pattern

The signaling link test control has detected an invalid data pattern in the signaling link test message (SLTM) received from the far end.

Example

```
RLGHNCXA21W 00-04-18 19:08:28 EST  EAGLE 31.3.0
0138.1073    CARD 1201,A  INFO   SLTC failure:bad data pattern
ADJ PC=004-046-000    SLC=02     LEN=0f
DATA= 01 02 03 04 05 06 07 08 09 11 12 13 14 15
```

Legend

ADJ PC	Adjacent point code
DATA	Information from the upper layers of SCCP management
LEN	Data length
SLC	Signaling link code

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

Recovery

Contact the far-end and use your company procedures to test the facilities for the signaling link.

1074 - SCCP rcvd inv SCMG - invalid SOR

SCCP received an SCCP management message (SCMG) that was discarded because of an invalid subsystem out of service request (SOR).

Example

```
RLGHNCXA21W 00-04-18 19:04:15 EST  EAGLE 31.3.0
0124.1074    CARD 1106  INFO   SCCP rcvd inv SCMG - invalid SOR
SIO=0a   OPC=004-031-000  DPC=000-071-000
SCMG:    MSG TYPE=000         MSG LEN=003
AFTPC=004-219-000    AFTSS=000   MULT=000
LSN=A1234567
```

Legend

AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)
DPC	Destination point code
LSN	Linkset name. The name must be unique.
MSG LEN	Message length
MSG TYPE	Message type
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
SCMG	SCCP management message
SIO	Service information octet

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

Recovery

1. Verify the point code in the message, and verify the subsystem number as a valid SSN for the network.
2. Add the subsystem number to the EAGLE 5 ISS map tables using the `ent-map` command.

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).

   Following is an 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 *Step 1* on page 377.

   Following is an 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 *Customer Care Center* on page 4.

1076 - SLTC failure: invalid Point Code (DPC)

The signaling link test control (SLTC) has detected an invalid data pattern in the signaling link test message (SLTM) received from the adjacent point code.

Example

```
RLGHNCXA21W 00-04-18 19:09:22 EST  EAGLE 31.3.0
0141.1076    CARD 1201,A  INFO   SLTC failure:invalid Point Code (DPC)
ADJ PC=004-046-000   SLC=02     LEN=0f
DATA= 01 02 03 04 05 06 07 08 09 11 12 13 14 15
```

Legend

ADJ PC	Adjacent point code
DATA	Information from the upper layers of SCCP management
LEN	Data length
SLC	Signaling link code

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

Recovery

Contact the far-end and use local procedures to test the facilities for the signaling link.

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 *Customer Care Center* on page 4.

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 ASM, GPSM-II, or TSM 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 00-04-18 19:12:00 EST  EAGLE 31.3.0
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.

1084 - GWS MSU discarded by redirect function

This message indicates that an MSU has been discarded rather than redirected to the SCP as part of the Database Transport Access (DTA) feature.

Example

```
RLGHNCXA21W 00-04-18 19:12:00 EST  EAGLE 31.3.0
0003.1084    CARD 1205,A   INFO   GWSMSU discarded by redirect functionSIO=01
OPC=003-237-002 DPC=006-006-000
SR=scrb
LSN=A1234567
```

Note:

Four outputs are possible. The Legend includes abbreviations found in all variations.

Legend

ADDR	Address
AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)
AI	Address Indicator
CDPA	Called party address
CGPA	Calling party address
DATA	Information from the upper layers of SCCP management
DPC	Destination point code
H0H1	H0/H1 heading code
LSN	Linkset name. The name must be unique.
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SCCP MT	SCCP message type
SCMG	SCCP management message
SIO	Service information octet

SR	Screening reference name
SSN	Subsystem number
TN	Telephone number
TYPE	SCCP management message type

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

Recovery

1. Check to see if the redirect function is disabled by entering the following:
   `rtrv-gws-redirect`
2. If the enabled parameter is set to OFF as in the following output, the redirect function needs to be enabled.

```
RLGHNCXA03W 00-02-10 11:43:04 EST EAGLE 35.0.0
ENABLED DPC RI SSN TT GTA

off 001-030-001 GT 10 25 1800833
```

3. Enter the following command to enable the redirect function:
   `chg-gws-redirect:enabled=on`

1085 - GWS MSU too large to be redirected

This message indicates that the system tried to encapsulate an MSU for redirection to an SCP (as part of the Database Transport Access feature).

The DTA feature encapsulates the entire data packet including level 2 MTP. Because the DTA feature requires approximately 24 octets, the original packet can contain a maximum of about 248 octets of "user data." If the size of the data is larger, the MSU cannot be redirected and is routed to its original destination.

Example

```
RLGHNCXA21W 00-04-18 19:12:00 EST  EAGLE 31.3.0
0003.1085    CARD 1205,A   INFO   GWSMSU too large to be redirected
SIO=01 OPC=003-237-002 DPC=006-006-000
SR=scrb
LSN=A1234567
```

Note:

Four outputs are possible. The Legend includes abbreviations found in all variations.

Legend

ADDR	Address
AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)
AI	Address Indicator
CDPA	Called party address

CGPA	Calling party address
DATA	Information from the upper layers of SCCP management
DPC	Destination point code
H0H1	H0/H1 heading code
LSN	Linkset name. The name must be unique.
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SCCP MT	SCCP message type
SCMG	SCCP management message
SIO	Service information octet
SR	Screening reference name
SSN	Subsystem number
TN	Telephone number
TYPE	SCCP management message type

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

Recovery

1. If MSUs are frequently discarded, there may be a problem on the origination end.

   To determine the number of MSUs that are discarded because the MSU is too large to be encapsulated, enter the following command:

   ```
   rept-meas:type=systot:enttype=stp:period=last
   ```

2. Check the DTAMSULOST report in the output message.

   If the number of discarded MSUs is low, no further action is necessary. If large quantities are MSUs are lost, the originating node may need to be reconfigured.

1086 - LFS test terminated with OAM switchover

The link fault sectionalization (LFS) test terminated when the OAM switched over.

Example

```
RLGHNCXA21W 00-04-18 19:11:03 EST  EAGLE 31.3.0
0146.1086    CARD 1115    INFO   LFS test terminated with OAM switchover
```

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.

1090 - ITU GWY:CPC conversion failure

This message indicates a protocol conversion failure. There are three possible reasons for the conversion failure.

- The point code was not in the database.
- The appropriate point code type was unavailable. There is no true point code or alias point code that matches the CPC.
- The database is corrupted. The master database and the card database must be synchronized.

Example

```
station5 00-04-18 19:12:00 EST  EAGLE 31.3.0
0010.1090    CARD 1205,B  INFO  ITU GWY: CPC conversion failure
SIO=0a   OPC=3-236-1  DPC=1-014-2
CPC=3-095-6
LSN=A1234567890
```

Legend

CPC	Capability point code
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
SIO	Service information octet

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

Recovery

1. Check the database to make sure the card database is synchronized with the master database.
   Enter the `rept-stat-db:display=except` command. If the databases are not synchronized, reload the card data by initializing the card. If the databases are synchronized, go to Step 2.
2. Enter the `rtrv-dstn:dpc`command.
   If the `rtrv-dstn` command fails, the point code is undefined or the destination point code is an alias and not a true point code.
3. To verify that the point code is an alias, enter the `rtrv-dstn:alias` command.
   If the command succeeds, you must provision the database with the true point code using the `chg-dstn:dpc=xxx:alias=yyy`command.
4. If the point code is not an alias, you must define the point code using the `ent-dstn:dpci=xxx:aliasi=yyy` command.
5. Check translations on the originating switch to determine the trouble.

1091 - ITU GWY:OPC conversion failure

This message indicates a protocol conversion failure. There are three possible reasons for the conversion failure.

- The point code is not in the database.
- The appropriate point code type was unavailable. There is no true point code or alias point code that matches the OPC.
- The database is corrupted.

Example

```
station5 00-04-18 19:12:00 EST  EAGLE 31.3.0
0010.1091    CARD 1205,B  INFO  ITU GWY: OPC conversion failure
SIO=0a   OPC=3-236-1  DPC=1-014-2
LSN=A1234567890
```

Legend

DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
SIO	Service information octet

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

Recovery

1. Check the database to make sure the card database is synchronized with the master database.
   Enter the `rept-stat-db:display=except` command. If the databases are not synchronized, reload the card data by initializing the card. If the databases are synchronized, go to Step 2.
2. Enter the `rtrv-dstn:dpc`command.
   If the `rtrv-dstn` command fails, the point code is undefined or the destination point code is an alias and not a true point code.
3. To verify that the point code is an alias, enter the `rtrv-dstn:alias` command.
   If the command succeeds, you must provision the database with the true point code using the `chg-dstn:dpc=xxx:alias=yyy`command.
4. If the point code is not an alias, you must define the point code using the `ent-dstn:dpci=xxx:aliasi=yyy` command.

1092 - ITU GWY:HOH1 conversion failure

This message occurs when there is an ANSI message with no ITU equivalent. The ANSI messages with no ITU equivalent are as follows:

Table 13: ANSI messages with no ITU equivalent

Message	H0/H1 Code (Hex)
Transfer Restricted (TFR) when generated by an ITU National network	43
Transfer-Cluster Restricted (TCR)	44
Transfer-Cluster Allowed (TCA)	46
Transfer-Cluster Prohibit Signal (TCP)	42

Example

```
station5 00-04-18 19:12:00 EST  EAGLE 31.3.0
0010.1092    CARD 1205,B  INFO  ITU GWY: H0H1 conversion failure
SIO=08   OPC=003-235-001  DPC=006-006-000
H0H1=42
LSN=A1234567890
```

Legend

DPC	Destination point code
H0H1	H0/H1 heading code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
SIO	Service information octet

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

Recovery

Check translations on the originating switch to determine the trouble.

1093 - ITU GWY:rcvd msg type cannot convert

This message indicates the STP received a message type that has no equivalent in the opposite protocol. The following is the list of message types that have no equivalents and are discarded.

Table 14: Message type with no opposite protocol equivalent.

Message Type	Code
Confusion Message (CNF)	2F
Connect Message (CONN)	07
Continuity Test Message (COT)	05
Continuity Check Request Message (CCR)	11
Information Message (INF)	04
Information Request Message (INR)	03
Loop Back Acknowledge Message (LPA)	24
Overload Message (OLM)	30

Example

```
station5 00-04-18 19:12:00 EST  EAGLE 31.3.0
0110.1093    CARD 1205,B  INFO   ITU GWY:rcvd msg type cannot convert
SIO=0e  OPC=4-013-1      DPC=1-003-0
MSG TYPE=07
LSN=A1234567890
```

Legend

DPC	Destination point code

LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
OPC	Origination point code
SIO	Service information octet

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

Recovery

Check translations on the originating switch to determine the trouble.

1094 - ITU GWY:Invalid ISUP msg structure

This message indicates that an ISUP parameter or pointer to a parameter was invalid.

Example

```
station5 00-04-18 19:12:00 EST  EAGLE 31.3.0
0110.1094    CARD 1205,B  INFO   ITU GWY:Invalid ISUP msg structure
SIO=0e  OPC=4-013-1      DPC=1-003-0
MSG TYPE=07
LSN=A1234567890
```

Legend

DPC	Destination point code
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type (for example, connection request, connection confirm, connection refused)
OPC	Origination point code
SIO	Service information octet

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.

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 string UIM. This OAP related string falls under two categories.

Example

The strings that are generated in response to OAP conditions are as follows:

CAUTION: OAP Configuration changed

CAUTION: Invalid SEAS X25 Link 2 status

CAUTION: Invalid SEAS X25 Link 1 status

Change in PVC number is detected

The OAP generated strings are as follows:

ILLEGAL - EMS Agent status value

ILLEGAL _ Q3 Association value

LSMS Resynchronization in progress

Q3 association is Down

Q3 association is Up

Q3 association is Not Configured

EMS Agent is not running

MS Agent is running

Filesystem threshold %s %d

x25 link %d Down

x25 ln %d pvc %02d pvc st %01d ual st %01d

Out of seq code old %c new %c in msg id %d

Out of seq code old new %c in msg id %d

Unexpected seq code %c for MNT msgs

Unexpected length %d

Unexpected version number %s

Unexpected id %d

Unexpected seq code %c

Unexpected Priority %d

Incomplete message

Missing ETX

Extraneous %d bytes received

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

Recovery

No action is necessary.

1100 - GWS rcvd H0/H1 that is not allowed

This message indicates the STP has received an H0/H1 that is not allowed.

Example

```
RLGHNCXA21W 00-04-18 18:59:58 EST EAGLE 31.3.0
0105.1100    CARD 1201,A INFO GWS rcvd H0H1 that is not allowed
             SIO=02   OPC=009-009-009 DPC=006-006-006
             H0H1=01  AFTPC=255-009-009
             SR=osp3  LSN=A1234567
```

Note:

Four outputs are possible. The Legend includes abbreviations found in all variations.

Legend

ADDR	Address
AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)
AI	Address Indicator
CDPA	Called party address
CGPA	Calling party address
DATA	Information from the upper layers of SCCP management
DPC	Destination point code
H0H1	H0/H1 heading code
LSN	Linkset name. The name must be unique.
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SCCP MT	SCCP message type
SCMG	SCCP management message
SIO	Service information octet
SR	Screening reference name
SSN	Subsystem number
TN	Telephone number
TYPE	SCCP management message type

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.

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 *Appendix A, Card Removal/Replacement Procedures*.. Contact the *Customer Care Center* on page 4 .

1102 - Invalid Length for Map IMEI Parameter

This message indicates that the EIR subsystem received a Check-IMEI message in which the Map IMEI parameter had an invalid length.

Example

```
RLGHNCXA21W 00-04-18 19:00:11 EST EAGLE 31.3.0
0107.1102    CARD 1103,A1 INFO Invalid Length for Map IMEI Parameter
             SIO=03   OPC=003-252-000 DPC=000-071-000
             CDPA:   AI=10 SSN=05 TT=250
                      ADDR=ABCDEF1234567890ABCDE
             CGPA:   AI=12 PC=001-001-001 SSN=002
             DATA=3a e2 38 c7 04 56 04 72 e0 e8 30 e9
                      2e cf 01 00 d0 02 83 01 f2 25 aa 0b
                      84 09 01 00 11 0a 19 49
             LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CDPA	Called party address
CGPA	Calling party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1103 - LSS:No Map IMEI Parameter present

This message indicates that the EIR subsystem received a Check-IMEI message in which the Map IMEI parameter is not present.

Example

```
RLGHNCXA21W 00-04-18 19:00:11 EST EAGLE 31.3.0
0107.1103 CARD 1103,A1 INFO LSS:No Map IMEI Parameter present
          SIO=03 OPC=003-252-000 DPC=000-071-000
          CDPA: AI=10 SSN=05 TT=250
                ADDR=ABCDEF1234567890ABCDE
          CGPA: AI=12 PC=001-001-001 SSN=002
          DATA=3a e2 38 c7 04 56 04 72 e0 e8 30 e9
                   2e cf 01 00 d0 02 83 01 f2 25 aa 0b
                   84 09 01 00 11 0a 19 49
          LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CDPA	Called party address
CGPA	Calling party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

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.

1107 - SCCP XUDT (S) msg: Hop Counter violation

This message indicates that the incoming MSU has a Hop counter value of zero or greater than 15 and the F bit in the segmentation parameter is not set. An XUDTS error response is generated and sent to the originating node. The message is discarded.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1107    CARD 1103,A     INFO    SCCP XUDT (S) msg: Hop Counter violation
```

```
           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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1107    CARD 1103,A     INFO    SCCP XUDT (S) msg: Hop Counter violation
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number

SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

The sender of the discarded message is using an invalid message format.

If there is only one occurrence, no action is necessary. However, if the condition continues, there may be a problem at the node that is sending the invalid message. Contact that node and inform them of the problem.

1108 - SCCP XUDT (S) msg: inv opt portion len

This message indicates that the incoming MSU has an invalid length in the optional portion (optional parameter length exceeding the MSU length or no end of optional parameters octet). The message is discarded.

Example

```
RLGHNCXA21W 00-04-18 19:02:05 EST EAGLE 31.3.0
0112.1108 CARD 1103,A1 INFO SCCP XUDT (S) msg: inv opt portion len
            SIO=03 OPC=001-001-001 DPC=002-002-002
            SCCP MSG TYPE=04
            CDPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
                    TT=250 NP=04 NAI=010 ADDR=123456789012345678901
                    PC=003-003-003 SSN=005
            CGPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
                    TT=100 NP=07 NAI=012 ADDR=01234567890123456789O
                    PC=001-001-001 SSN=004
            LSN=A1234567
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)

PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

This message indicates an SCCP message was discarded due to an invalid length.

No further action is necessary.

1109 - SCCP XUDT(S) msg: inv segmentation parm

This message indicates that the length of the optional segmentation parameter is not equal to 6. The length of the segmentation parameter must be equal to 6. The message is discarded.

Example

```
RLGHNCXA21W 00-04-18 19:02:05 EST EAGLE 31.3.0
0112.1109 CARD 1103,A1 INFO SCCP XUDT(S) msg: inv segmentation parm
            SIO=03 OPC=001-001-001 DPC=002-002-002
            SCCP MSG TYPE=04
            CDPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
                    TT=250 NP=04 NAI=010 ADDR=123456789012345678901
                    PC=003-003-003 SSN=005
            CGPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
                    TT=100 NP=07 NAI=012 ADDR=01234567890123456789O
                    PC=001-001-001 SSN=004
            LSN=A1234567
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code.

	With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

This message indicates an SCCP message was discarded due to an invalid segmentation parameter.

No further action is necessary.

1110 - GWS rcvd AFTPC that is not allowed

This indicates that a message was received by a gateway link and failed DESTFLD screening because of an affected point code value in the message.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST EAGLE 35.0.0
0100.1110 CARD 1105,B INFO GWS rcvd AFTPC that is not allowed
          SIO=0a OPC=003-243-000 DPC=000-024-000
          H0H1=41 AFTPC=099-099-003
          SR=osp3 LSN=A1234567
```

Legend

AFTPC	Affected point code (for SCCP messages)
DPC	Destination point code
H0H1	H0/H1 heading 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

1. Verify the affected point code in the message, and verify whether the affected point code is required to be in the EAGLE 5 ISS routing tables.
2. If the affected point code is not required to be in the EAGLE 5 ISS routing tables, no further action is necessary.
3. If the affected point code is required to be in the EAGLE 5 ISS routing table, use the `ent-dstn` command to add the affected point code to the EAGLE 5 ISS routing tables.

1111 - GWS rcvd TCA, AFTPC not in routing tbl

This indicates that a TCA message was received by a gateway link and failed DESTFLD screening because of an affected point code value in the message.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST EAGLE 35.0.0
0100.1111 CARD 1105,B INFO GWS rcvd TCA, AFTPC not in routing tbl
SIO=0a OPC=003-243-000 DPC=000-024-000
H0H1=46 AFTPC=099-099-003
SR=osp3 LSN=A1234567
```

Legend

AFTPC	Affected point code (for SCCP messages)
DPC	Destination point code
H0H1	H0/H1 heading 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

1. Verify the affected point code in the message, and verify whether the affected point code is required to be in the EAGLE 5 ISS routing tables.
2. If the affected point code is not required to be in the EAGLE 5 ISS routing tables, no further action is necessary.
3. If the affected point code is required to be in the EAGLE 5 ISS routing table, use the `ent-dstn` command to add the affected point code to the EAGLE 5 ISS routing tables.

1112 - GWS rcvd TCR, AFTPC not in routing tbl

This indicates that a TCR message was received by a gateway link and failed DESTFLD screening because of an affected point code value in the message.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST EAGLE 35.0.0
0100.1112 CARD 1105,B INFO GWS rcvd TCR, AFTPC not in routing tbl
          SIO=0a OPC=003-243-000 DPC=000-024-000
          H0H1=44 AFTPC=099-099-003
```

Legend

AFTPC	Affected point code (for SCCP messages)
DPC	Destination point code
H0H1	H0/H1 heading 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

1. Verify the affected point code in the message, and verify whether the affected point code is required to be in the EAGLE 5 ISS routing tables.
2. If the affected point code is not required to be in the EAGLE 5 ISS routing tables, no further action is necessary.
3. If the affected point code is required to be in the EAGLE 5 ISS routing table, use the `ent-dstn` command to add the affected point code to the EAGLE 5 ISS routing tables.

1113 - GWS rcvd TCP, AFTPC not in routing tbl

This indicates that a TCP message was received by a gateway link and failed DESTFLD screening because of an affected point code value in the message.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST EAGLE 35.0.0
0100.1113 CARD 1105,B INFO GWS rcvd TCP, AFTPC not in routing tbl
          SIO=0a OPC=003-243-000 DPC=000-024-000
          H0H1=42 AFTPC=099-099-003
          SR=osp3 LSN=A1234567
```

Legend

AFTPC	Affected point code (for SCCP messages)
DPC	Destination point code
H0H1	H0/H1 heading 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

1. Verify the affected point code in the message, and verify whether the affected point code is required to be in the EAGLE 5 ISS routing tables.
2. If the affected point code is not required to be in the EAGLE 5 ISS routing tables, no further action is necessary.
3. If the affected point code is required to be in the EAGLE 5 ISS routing table, use the `ent-dstn` command to add the affected point code to the EAGLE 5 ISS routing tables.

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

A local database backup or restore has unsuccessfully completed. This UIM follows the issue of the `chg-db` command.

Example

```
RLGHNCXA21W 00-06-18 19:12:00 EST EAGLE 31.3.0
0147.1117 CARD 1201,A INFO Database action ended - FAILED
```

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

Recovery

No action is necessary.

1118 - Audit of LNP backup database completed

The LNP backup database audit cycle has been completed.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
0014.1118 SYSTEM Audit of LNP backup database completed
```

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

Recovery

No action necessary.

1119 - LNP database audit - internal error

The LNPA task on either OAM is in an error state.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
0014.1119 CARD 1114 LNP - database audit - internal error
```

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

Recovery

1. Reboot the OAM.
2. If the problem persists, .contact the *Customer Care Center* on page 4.

1120 - TRBL Queue is full:elements overwritten

This message indicates that more than 7 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.

1121 - LNP rcvd query from unknown CGPA PC

The LNP query receives a calling party point code that is not in the routing table. The system LNP subsystem normally sends a response back to the calling party PC in the query. The system did not respond to this query.

Example

```
RLGHNCXA21W 00-04-18 19:00:11 EST EAGLE 31.3.0
0107.1121 CARD 1103,A1 INFO LNP rcvd query from unknown CGPA PC
          SIO=03 OPC=003-252-000 DPC=000-071-000
          CDPA: AI=10 SSN=05 TT=250
```

```
              ADDR=ABCDEF1234567890ABCDE
         CGPA: AI=12 PC=001-001-001 SSN=002
         DATA=3a e2 38 c7 04 56 04 72 e0 e8 30 e9
                  2e cf 01 00 d0 02 83 01 f2 25 aa 0b
                  84 09 01 00 11 0a 19 49
         LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CDPA	Called party address
CGPA	Calling party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

Provision a route to the Calling Party Point Code using the `ent-dstn` and `ent-rte` commands.

1122 - LNP rcvd query with undefined TT/SERV

The LNP Query Subsystem received a message with an undefined Service. The Called Party Translation type in the incoming message determines the format of the MSU. This UIM can be issued when there is no LNP Service associated with the Translation Type of this MSU.

If the Translation Type of the MSU is provisioned as a Translation Type for LNPQS Service, the Eagle attempts to determine the actual LNP Service for this message by examining the OP CODE value. If the OP CODE does not match any supported by the Eagle Service (IN, AIN, IS-41), this UIM is issued.

This UIM can also be issued as a result of an error response from an end office because the Eagle LNP database response returned an LRN that was not provisioned in the end office.

Trace tools and/or the hex dump in the UIM can be used to determine the TCAP information. Note that the GTT data is not contained in the SCCP layer because the Eagle does not return this information in the LNP response to the end office.

Example

```
RLGHNCXA21W 00-04-18 19:00:11 EST EAGLE 31.3.0
0107.1122 CARD 1103,A1 INFO LNP rcvd query with undefined TT/SERV
```

```
          SIO=03 OPC=003-252-000 DPC=000-071-000
          CDPA: AI=10 SSN=05 TT=250
                 ADDR=ABCDEF1234567890ABCDE
          CGPA: AI=12 PC=001-001-001 SSN=002
          DATA=3a e2 38 c7 04 56 04 72 e0 e8 30 e9
                   2e cf 01 00 d0 02 83 01 f2 25 aa 0b
                   84 09 01 00 11 0a 19 49
          LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CDPA	Called party address
CGPA	Calling party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

1. If the IN, AIN, IS-41, PCS 1900, or LNPQS LNP Query translation type has not been provisioned, it needs to be provisioned using the `ent-lnp-serv` command.

   If any of the above LNP Query Translation Types has not been provisioned, it can be changed using the `chg-lnp-serv` command.

2. If the Translation Type has been provisioned correctly, an SSP node in the network is using the wrong Translation Type or an invalid query.

1123 - LNP rcvd query with Message Relay TT

The LNP Query Subsystem received a message with a Translation Type reserved for Message Relay. This happens if another node sent a message to the system for Message Relay with the routing indicator set to rt-on-ssn and ssn set to system's LNP subsystem.

Example

```
RLGHNCXA21W 00-04-18 19:00:11 EST EAGLE 31.3.0
0107.1123 CARD 1103,A1 INFO LNP rcvd query with Message Relay TT
          SIO=03 OPC=003-252-000 DPC=000-071-000
          CDPA: AI=10 SSN=05 TT=250
                 ADDR=ABCDEF1234567890ABCDE
```

```
          CGPA: AI=12 PC=001-001-001 SSN=002
          DATA=3a e2 38 c7 04 56 04 72 e0 e8 30 e9
                   2e cf 01 00 d0 02 83 01 f2 25 aa 0b
                   84 09 01 00 11 0a 19 49
          LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CDPA	Called party address
CGPA	Calling party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No further action is necessary.

1124 - LNP Database IMPORT started

The database import operation has started on the active or standby OAM.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
0014.1124 CARD 1113 LNP Database IMPORT started
```

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

Recovery

No action necessary.

1125 - GWS rcvd CDPA that could not be RDCTd

This message indicates the EAGLE 5 ISS received an MSU, with a called party address (CDPA) that is not allowed in gateway screening (GWS) and cannot be redirected.

Example

```
RLGHNCXA21W 00-04-18 18:59:23 EST EAGLE 31.3.0
0101.1125 CARD 1205,B INFO GWS rcvd CDPA that could not be RDCTd
          SIO=0a OPC=003-244-000 DPC=000-071-000
          SCCP MT= 18
          CDPA: AI=10 PC=003-003-003 SSN=005 TT=250
                  ADDR=123456789012345678909
          CGPA: AI=10 PC=004-004-004 SSN=005 TT=251
                  ADDR=123456789012345678909
          SR=scrb LSN=A1234567
```

Note:

Four outputs are possible. The Legend includes abbreviations found in all variations.

Legend

ADDR	Address
AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)
AI	Address Indicator
CDPA	Called party address
CGPA	Calling party address
DATA	Information from the upper layers of SCCP management
DPC	Destination point code
H0H1	H0/H1 heading code
LSN	Linkset name. The name must be unique.
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SCCP MT	SCCP message type
SCMG	SCCP management message
SIO	Service information octet
SR	Screening reference name
SSN	Subsystem number
TT	Translation type
TYPE	SCCP management message type

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

Recovery

1. If this called party address (CDPA) is one that should be redirected through the network, add the CDPA to the gateway screening (GWS) tables assigned to the link reporting this message.

   Use the `chg-scr-cdpa` command to add the CDPA to the list of allowed CDPA codes. Refer to the Database *Administration Manual* - Gateway Screening for instructions on adding a CDPA to GWS.

2. If the CDPA should not be redirected through the network, no action is necessary.

1126 - GWS rcvd CGPA that could not be RDCTd

This message indicates the EAGLE 5 ISS received an MSU, with a calling party address (CGPA) that is not allowed in gateway screening (GWS) and cannot be redirected.

Example

```
RLGHNCXA21W 00-04-18 18:59:23 EST EAGLE 31.3.0
0101.1126 CARD 1205,B INFO GWS rcvd CGPA that could not be RDCTd
          SIO=0a OPC=003-244-000 DPC=000-071-000
          SCCP MT= 18
          CDPA: AI=10 PC=003-003-003 SSN=005 TT=250
                  ADDR=123456789012345678909
          CGPA: AI=10 PC=004-004-004 SSN=005 TT=251
                  ADDR=123456789012345678909
          SR=scrb LSN=A1234567
```

Note:

Four outputs are possible. The Legend includes abbreviations found in all variations.

Legend

ADDR	Address
AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)
AI	Address Indicator
CDPA	Called party address
CGPA	Calling party address
DATA	Information from the upper layers of SCCP management
DPC	Destination point code
H0H1	H0/H1 heading code
LSN	Linkset name. The name must be unique.
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SCCP MT	SCCP message type

SCMG	SCCP management message
SIO	Service information octet
SR	Screening reference name
SSN	Subsystem number
TT	Translation type
TYPE	SCCP management message type

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

Recovery

1. If this calling party address (CGPA) is one that should be redirected through the network, add the CGPA to the gateway screening (GWS) tables assigned to the link reporting this message.

   Use the `chg-scr-cgpa` command to add the CGPA to the list of allowed CGPA codes. Refer to the Database *Administration Manual* - Gateway Screening for instructions on adding a CGPA to GWS.

2. If the CGPA should not be redirected through the network, no action is necessary.

1127 - GWS rcvd AFTPC that could not be RDCTd

This message indicates the EAGLE 5 ISS received an MSU, with an allowed affected point code (AFTPC) that is not allowed in gateway screening (GWS) and cannot be redirected.

Example

```
RLGHNCXA21W 00-04-18 18:59:23 EST EAGLE 31.3.0
0101.1127 CARD 1205,B INFO GWS rcvd AFTPC that could not be RDCTd
          SIO=0a OPC=003-244-000 DPC=000-071-000
          SCCP MT= 18
          CDPA: AI=10 PC=003-003-003 SSN=005 TT=250
                  ADDR=123456789012345678909
          CGPA: AI=10 PC=004-004-004 SSN=005 TT=251
                  ADDR=123456789012345678909
          SR=scrb LSN=A1234567
```

Four outputs are possible.

Legend

ADDR	Address
AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)
AI	Address Indicator
CDPA	Called party address
CGPA	Calling party address
DATA	Information from the upper layers of SCCP management
DPC	Destination point code
H0H1	H0/H1 heading code

LSN	Linkset name. The name must be unique.
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SCCP MT	SCCP message type
SCMG	SCCP management message
SIO	Service information octet
SR	Screening reference name
SSN	Subsystem number
TT	Translation type
TYPE	SCCP management message type

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

Recovery

1. If this calling allowed affected point code (AFTPC) is one that should be redirected through the network, add the AFTPC to the gateway screening (GWS) tables assigned to the link reporting this message.

   Use the `chg-scr-aftpc` command to add the AFTPC to the list of allowed AFTPC codes. Refer to the Database *Administration Manual* - Gateway Screening for instructions on adding a AFTPC to GWS.

2. If the AFTPC should not be redirected through the network, no action is necessary.

1128 - GWS rcvd TT that could not be RDCTd

This message indicates the EAGLE 5 ISS received an MSU, with a translation type (TT) that is not allowed in gateway screening (GWS) and cannot be redirected.

Example

```
RLGHNCXA21W 00-04-18 18:59:23 EST EAGLE 31.3.0
0101.1128 CARD 1205,B INFO GWS rcvd TT that could not be RDCTd
          SIO=0a OPC=003-244-000 DPC=000-071-000
          SCCP MT= 18
          CDPA: AI=10 PC=003-003-003 SSN=005 TT=250
                  ADDR=123456789012345678909
          CGPA: AI=10 PC=004-004-004 SSN=005 TT=251
                  ADDR=123456789012345678909
          SR=scrb LSN=A1234567
```

Note:

Four outputs are possible. The Legend includes abbreviations found in all variations.

Legend

ADDR	Address
AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)
AI	Address Indicator
CDPA	Called party address
CGPA	Calling party address
DATA	Information from the upper layers of SCCP management
DPC	Destination point code
H0H1	H0/H1 heading code
LSN	Linkset name. The name must be unique.
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SCCP MT	SCCP message type
SCMG	SCCP management message
SIO	Service information octet
SR	Screening reference name
SSN	Subsystem number
TT	Translation type
TYPE	SCCP management message type

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

Recovery

1. If this TT is one that should be redirected through the network, add the TT to the gateway screening (GWS) tables assigned to the link reporting this message.

   Use the `chg-scr-tt` command to add the TT to the list of allowed TT codes. Refer to the Database *Administration Manual* - Gateway Screening for instructions on adding a TT to GWS.

2. If this TT should not be redirected through the network, no action is necessary.

1129 - Ported subs SMSC matches Home SMSC Addr

This message indicates that a ported out subscriber is fraudulently attempted to send SMS using the old networks SMSC. An error message was generated and returned to the originating MSC.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1129    CARD 1103,A     INFO    Ported subs SMSC matches Home SMSC Addr
           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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1129    CARD 1103,A     INFO    Ported subs SMSC matches Home SMSC Addr
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator

SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

No action necessary.

1130 - LOCREQ rcvd - IS412GSM not provisioned

To be able to perform the IS-41 GSM Migration feature and to accept LOCREQ Request messages, you must first specify the IS412GSM prefix in GSMOPTS.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1130    CARD 1103,A     INFO    LOCREQ rcvd - IS412GSM 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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1130    CARD 1103,A     INFO    LOCREQ rcvd - IS412GSM not provisioned
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code

GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

1. Enter the `rtrv-gsmopts` command to display the IS412GSM setting in the GSM System Options.

   Following is an example of the output:

```
    rlghncxa03w 03-05-20 09:04:14 EST  EAGLE 30.1.0
    GSM OPTIONS
    ----------------------
    DEFMCC      = NONE
    DEFMNC      = NONE
    SRFADDR     = 123456789abcdef
    MSRNDIG     = RN
    DEFMAPVR    = 1
    SRIDN       = TCAP
    IS412GSM    = 0123456789abcde

    rlghncxa03w 03-03-20 09:04:14 EST  EAGLE 30.1.0
    SRFADDR=123456789abcdef    SRFNAI=7    SRFNP=15
    MSRNDIG=CCRNDN
    MSRNNAI=7    MSRNNP=15 DEFMAPVR=2
;
```

   This example shows a setting supporting the IS-41LOC Request message.

   If the IS412GSM parameter is not specified, proceed to step 2. However, if it is set with a valid value, proceed to the step 3.

2. Use the `chg-gsmopts` command to specify the IS-41 to GSM migration prefix.

Refer to the *Commands Manual* for details. Then re-issue the command that caused this UIM.

3. If the problem persists with the IS412GSM parameter specified, contact the *Customer Care Center* on page 4..

1131 - Invalid digits in IS41 MAP Digits parm

A LOC Request message contained invalid data and will be passed to the GTT. G-Port determined a received Location Request message had invalid data in the called party number parameter fields. The verified fields must contain:

- Digits: from 5 to 21 digits
- Encoding scheme: BCD
- Numbering plan: Telephony

Example

```
RLGHNCXA21W 00-04-18 19:02:05 EST EAGLE 31.3.0
0112.1131 CARD 1103,A1 INFO Invalid digits in IS41 MAP Digits parm
            SIO=03 OPC=001-001-001 DPC=002-002-002
            SCCP MSG TYPE=04
            CDPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
                    TT=250 NP=04 NAI=010 ADDR=123456789012345678901
                    PC=003-003-003 SSN=005
            CGPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
                    TT=100 NP=07 NAI=012 ADDR=012345678901234567890
                    PC=001-001-001 SSN=004
            LSN=A1234567
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information

RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

No action necessary.

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 FAILED COUNT = 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 *Customer Care Center* on page 4.

1133 - GX25 outbound data exceeds packet size

This message indicates that the packet being converted by the X.25 gateway is too long to be handled by the X.25 network (when a network is used) or the link when there is a direct connection to the X.25 end user.

Example

```
RLGHNCXA21W 00-06-18 19:12:00 EST EAGLE 31.3.0
0147.1133 CARD 1201,A INFO GX25 outbound data exceeds packet size
          CHANNEL=00 X_ADDR=841029159765432
          CODE=A2 00 PC=116-006-001
```

Legend

CHANNEL	Logical channel

CODE	Left byte is length of TCAP packet in hexadecimal format; right byte is always 00.
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
X_ADDR	The X.25 address for the X.25 end user (destination). Use the rtrv-x25-dstn command to determine the point code that corresponds to this X.25 address.

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

Recovery

1. If this condition occurs often, change the packet size to 256. This packet size change must take place at both the end user and the EAGLE 5 ISS.

   At the EAGLE 5 ISS end of the X.25 link, use the `chg-x25-slk` command to change the packet size.

2. If the fault is not cleared, contact the *Customer Care Center* on page 4.

1134 - GX25 route not found

This message indicates that the X.25 gateway was unable to find an X.25 route for an outgoing MSU or an incoming X.25 call request.

Example

```
RLGHNCXA21W 00-06-18 19:12:00 EST EAGLE 31.3.0
0147.1134 CARD 1201,A INFO GX25 route not found
          CHANNEL=00 X_ADDR=841029159765432
          CODE=00 00 PC=116-006-001
```

Legend

	Logical channel
CODE	Left byte is length of TCAP packet in hexadecimal format; right byte is always 00.
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
X_ADDR	The X.25 address for the X.25 end user (destination). Use the rtrv-x25-dstn command to determine the point code that corresponds to this X.25 address.

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

Recovery

1. Determine if both ends, as defined by their point codes and addresses, are permitted a connection.

   If so, a route needs to be defined. Use the `ent-x25-rte` command to define and configure the route. Refer to the Database *Administration Manual* for information about this procedure.

2. If the end points are not permitted a connection, perform one of the following:

- Require that the X.25 end user (as defined by the PC= value) place the call with the correct X.25 address for the configured route
- Require that the SS7 end user (as defined by the X_ADDR= value) use the correct point code for the configured route

3. If the fault is not cleared, contact the *Customer Care Center* on page 4.

1135 - GX25 route not available

This message indicates that an X.25 route is not available for routing an MSU received from the SS7 end user. This should be a temporary condition following a failure at the X.25 end user. See messages *1143 - GX25 cannot make connection* on page 422, *1144 - GX25 logical channel cleared* on page 424, and *1145 - GX25 unexpected restart received* on page 425.

Example

```
RLGHNCXA21W 00-06-18 19:12:00 EST EAGLE 31.3.0
0147.1135 CARD 1201,A INFO GX25 route not available
          CHANNEL=03 X_ADDR=0000000000000000
          CODE=02 00 PC=116-006-001
```

Legend

CHANNEL	Logical channel
CODE	Left byte is length of TCAP packet in hexadecimal format; right byte is always 00.
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
X_ADDR	The X.25 address for the X.25 end user (destination). Use the rtrv-x25-dstn command to determine the point code that corresponds to this X.25 address.

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

Recovery

1. Determine why the X.25 end user, as defined by the PC value, is out of service and attempt to re-establish the service.
2. If the fault is not cleared, contact the *Customer Care Center* on page 4.

1136 - GX25 route already connected

This message indicates that a call request was received from an X.25 end user and the X.25 route was already in the call established phase. Both connections are cleared to assure that only one connection is established at a time.

Example

```
RLGHNCXA21W 00-06-18 19:12:00 EST EAGLE 31.3.0
0147.1136 CARD 1201,A INFO GX25 route already connected
          CHANNEL=00 X_ADDR=84102915841029159765432
          CODE=00 00 PC=116-006-001
```

Legend

CHANNEL	Logical channel
CODE	Left byte is length of TCAP packet in hexadecimal format; right byte is always 00.
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
X_ADDR	The X.25 address for the X.25 end user (destination). Use the rtrv-x25-dstn command to determine the point code that corresponds to this X.25 address.

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

Recovery

If this fault reoccurs for this route:

1. Inform the X.25 end user, as defined by the X_ADDR value, to not permit this condition.
2. Use the `rtrv-x25-rte` command to verify that the*type* of route is correct.
3. If the fault is not cleared, contact the *Customer Care Center* on page 4.

1137 - GX25 incorrect X25 address

This message indicates that an X.25 end user attempted to make a connection and either the called or calling X.25 address was not in the correct domain for conversion.

Example

```
RLGHNCXA21W 00-06-18 19:12:00 EST EAGLE 31.3.0
0147.1137 CARD 1201,A INFO GX25 incorrect X.25 address
          CHANNEL=00 X_ADDR=8410291584102915 9765432
          CODE=01 00 PC=000-000-000
```

Legend

CHANNEL	Logical channel

CODE	X.25 packet type:
	• Left byte:
	  • 00 = incorrect calling address
	  • 01 = incorrect called address
	  • Bits:
	  • bit 0 = unused (LSB)
	  • bit 1 = unused
	  • bit 2 = registration packet
	  • bit 3 = interrupt packet
	  • bit 4 = diagnostic packet
	  • bit 5 = M-bit present
	  • bit 6 = Q-bit present

- bit 7 = D-bit present

- Right byte is always 00

PC Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)

X_ADDR The X.25 address for the X.25 end user (destination). Use the rtrv-x25-dstn command to determine the point code that corresponds to this X.25 address.

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

Recovery

1. Verify that the X.25 address (the X_ADDR= value) is correct.
   - If the X.25 address is not correct, advise the X.25 end user to use the correct address.
   - If the X.25 address is correct, the domain of the point code needs to be changed and the X.25 route redefined.

     The calling address must be in the X.25 network domain and the called address must be in the SS7 domain.

2. If the fault is not cleared, contact the *Customer Care Center* on page 4.

1138 - GX25 unsupported packet type received

This message indicates that an unsupported packet type was received.

Example

```
RLGHNCXA21W 00-06-18 19:12:00 EST EAGLE 31.3.0
0147.1138 CARD 1201,A INFO GX25 unsupported packet type received
          CHANNEL=00 X_ADDR=0000000000000000
          CODE=10 00 PC=----------
```

Legend

CHANNEL Logical channel

CODE X.25 packet type:

- Left byte (X.25 packet type):
  - 00= DTE clear
  - 01= number busy
  - 03= invalid facility request
  - 05= network congestion
  - 09= out of order
  - 11= incorrect called address
  - 13= local procedure error
  - 19= collect call refused

- 21= incompatible destination
- 29= fast select not subscribed
- 0D= not in service
- 0B= access barred
- F0= call rejected

- Right byte (X.25 reject reason when left byte = F0, 01)
  - 00= timeout
  - 02= internal
  - 03= collision
  - 04= rejected
  - 07= no LCN

- Right byte (when left byte is 1/4 F0) = X.25 call clear diagnostic code

PC Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)

X_ADDR The X.25 address for the X.25 end user (destination). Use the rtrv-x25-dstn command to determine the point code that corresponds to this X.25 address.

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

Recovery

1. If problem persists, the X.25 end user may need to change the X.25 parameters to prevent transmission of the unsupported packet types.

   If the X.25 communications go through a network, the parameters may need to be changed on the network.

2. If the fault is not cleared, use the `rept-x25-meas` command and then contact the *Customer Care Center* on page 4.

1139 - GX25 unsupported MSU type received

This message indicates that an unsupported MSU type was received and the MSU was discarded. Only MSUs with an SIO of x0, x1, x2, or x3 are supported.

Example

```
RLGHNCXA21W 00-06-18 19:12:00 EST EAGLE 31.3.0
0147.1139 CARD 1201,A INFO GX25 unsupported MSU type received
          CHANNEL=00 X_ADDR=011900040078
          CODE=85 01 PC=116-006-001
```

Legend

CHANNEL Logical channel

CODE SIO field value

- Left byte = SIO field value
- Right byte = SCCP message type when
  - SIO=03 (SCCP data)
  - SIO=83 (SCCP data)
- Right byte = H0H1 when
  - SIO=x0, x1, x2

PC Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)

X_ADDR The X.25 address for the X.25 end user (destination). Use the rtrv-x25-dstn command to determine the point code that corresponds to this X.25 address.

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

Recovery

1. Determine if the point code, as defined by the PC value, should be an X.25 end user.
   - If yes, advise the SS7 end user, as defined by the X_ADDR= value, that they are transmitting unsupported MSU types.
   - If not, correct the MTP routing to prevent routing to this link.
2. If the fault is not cleared, use the `rept-x25-meas` command and then contact the *Customer Care Center* on page 4.

1140 - GX25 DPC not defined

This message indicates that an MSU was received for which the destination point code (DPC) is not defined for X.25 conversion.

Example

```
RLGHNCXA21W 00-06-18 19:12:00 EST EAGLE 31.3.0
0147.1140 CARD 1201,A INFO GX25 DPC not defined
          CHANNEL=00 X_ADDR=0000000000000000
          CODE=00 00 PC=116-006-001
```

Legend

CHANNEL Logical channel

CODE X.25 packet type

PC Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)

X_ADDR	The X.25 address for the X.25 end user (destination). Use the rtrv-x25-dstn command to determine the point code that corresponds to this X.25 address.

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

Recovery

Determine if the point code, as defined by the PC= value, should be an X.25 end user.

- If yes, correct the configuration using the `ent-x25-dstn` command (to define the X.25 end user) and the `ent-x25-rte` command (to define an X.25 route).
- If not, correct the MTP routing to prevent routing to the X.25 link set.

1141 - GX25 unrecognized X25 calling address

This message indicates that the gateway has detected an unrecognized X.25 calling address in a call request packet.

Example

```
RLGHNCXA21W 00-06-18 19:12:00 EST EAGLE 31.3.0
0147.1141 CARD 1201,A INFO GX25 unrecognized X25 calling address
          CHANNEL=03 X_ADDR=84102915
          CODE=00 00 PC=000-000-000
```

Legend

CHANNEL	Logical channel
CODE	left byte - length of TCAP packet in hexadecimal format right byte - always 00.
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
X_ADDR	The X.25 address for the X.25 end user (destination). Use the rtrv-x25-dstn command to determine the point code that corresponds to this X.25 address.

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

Recovery

1. If the caller, as defined by the X_ADDR= value, is a valid X.25 end user, define the destination using the `ent-x25-dstn` command and define any needed routes using the `ent-x25-rte` command.
2. If the caller is not a valid X.25 end user, contact sender and determine why a connection was attempted.
3. If the fault is not cleared, use the `rept-x25-meas` command and then contact the *Customer Care Center* on page 4.

1142 - GX25 unrecognized X25 called address

This message indicates that the Gateway has detected an unrecognized X.25 called address in a call request packet.

Example

```
RLGHNCXA21W 00-06-18 19:12:00 EST EAGLE 31.3.0
0147.1142 CARD 1201,A INFO GX25 unrecognized X25 called address
          CHANNEL=03 X_ADDR=84102915
          CODE=00 00 PC=116-006-001
```

Legend

CHANNEL	Logical channel
CODE	X.25 packet type
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
X_ADDR	The X.25 address for the X.25 end user (destination). Use the rtrv-x25-dstn command to determine the point code that corresponds to this X.25 address.

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

Recovery

1. Determine if the called address, as defined by the X_ADDR value, is a valid address for an SS7 end user.
   - If yes, define the destination and route using the `ent-x25-dstn` and `ent-x25-rte` commands. Refer to the Database *Administration Manual - Features* for more information about this procedure.
   - If not, advise the X.25 end user, as defined by the PC value, to specify the correct address.
2. If the fault is not cleared, use the `rept-x25-meas` command and then contact the *Customer Care Center* on page 4.

1143 - GX25 cannot make connection

This message indicates that the X.25 gateway cannot make the desired connection. See also messages 1135 and 1144.

Example

```
RLGHNCXA21W 00-06-18 19:12:00 EST EAGLE 31.3.0
0147.1143 CARD 1201,A INFO GX25 cannot make connection
          CHANNEL=03 X_ADDR=84102915
          CODE=09 00 PC=116-006-001
```

Legend

CHANNEL Logical channel

CODE X.25 packet type:

- Left byte (X.25 packet type):
  - 00= DTE clear
  - 01= number busy

- 03= invalid facility request
- 05= network congestion
- 09= out of order
- 11= incorrect called address
- 13= local procedure error
- 19= collect call refused
- 21= incompatible destination
- 29= fast select not subscribed
- 0D= not in service
- 0B= access barred
- F0= call rejected

- Right byte (X.25 reject reason when left byte = F0, 01)
  - 00= timeout
  - 02= internal
  - 03= collision
  - 04= rejected
  - 07= no LCN

- Right byte (when left byte is 1/4 F0) = X.25 call clear diagnostic code

PC Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)

X_ADDR The X.25 address for the X.25 end user (destination). Use the rtrv-x25-dstn command to determine the point code that corresponds to this X.25 address.

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

Recovery

1. Examine the CODE data field in the message (see *Legend* on page 422) for a possible fault explanation.
2. Verify that the X.25 end user is in service and attempt to re-establish service.
3. Verify that the X.25 addresses of the two nodes (given by X_ADDR and PC values in the message) are in agreement at both the X.25 end user and at the SS7 end user.

   Use the `rtrv-x25-dstn` command to determine an X.25 address that corresponds to a SS7 point code and vice versa.
4. Use the `rept-x25-meas` command to obtain more information about the X.25 links.

   If this information does not point to a resolution of the problem, go to the next action item.
5. Contact the *Customer Care Center* on page 4.

1144 - GX25 logical channel cleared

This message indicates that the X.25 gateway had a route connection cleared. Also see message 1135.

Example

```
RLGHNCXA21W 00-06-18 19:12:00 EST EAGLE 31.3.0
0147.1144 CARD 1201,A INFO GX25 logical channel cleared
          CHANNEL=00 X_ADDR=84102915
          CODE=09 00 PC=116-006-001
```

Legend

CHANNEL Logical channel

CODE X.25 packet type:

- Left byte (X.25 packet type):
  - 00= DTE clear
  - 01= number busy
  - 03= invalid facility request
  - 05= network congestion
  - 09= out of order
  - 11= incorrect called address
  - 13= local procedure error
  - 19= collect call refused
  - 21= incompatible destination
  - 29= fast select not subscribed
  - 0D= not in service
  - 0B= access barred
  - F0= call rejected
- Right byte = diagnostic code

PC Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (-----------)

X_ADDR The X.25 address for the X.25 end user (destination). Use the rtrv-x25-dstn command to determine the point code that corresponds to this X.25 address.

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

Recovery

1. Verify from the adjacent X.25 node if this indicates a problem or if it is a normal state of routinely clearing the call.

2. If is a problem, and the problem continues, use the `rept-x25-meas` command and contact the *Customer Care Center* on page 4.

1145 - GX25 unexpected restart received

This message indicates that the X.25 gateway has received an unexpected restart packet. A restart packet causes all active connections to be cleared and indicates that the X.25 network or, in the case of a direct X.25 connection, the X.25 end user has restarted and reset X.25 level 3.

Example

```
RLGHNCXA21W 00-06-18 19:12:00 EST EAGLE 31.3.0
0147.1145 CARD 1201,A INFO GX25 unexpected restart received
          CHANNEL=00 X_ADDR=0000000000000000
          CODE=03 00 PC=000-000-000
```

Legend

CHANNEL	Logical channel
CODE	X.25 packet type
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
X_ADDR	The X.25 address for the X.25 end user (destination). Use the rtrv-x25-dstn command to determine the point code that corresponds to this X.25 address.

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

Recovery

1. Contact the X.25 end user or X.25 network provider, as appropriate.
2. If restarts continue, use the `rept-x25-meas` command and then contact the *Customer Care Center* on page 4.

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.

1147 - MTP Invalid TFA received

This message indicates the network elements of an adjacent node have not been configured properly.

Example

```
RLGHNCXA21W 00-06-18 19:12:00 EST EAGLE 31.3.0
0147.1147 CARD 1201,A INFO MTP Invalid TFA received
          OPC=001-001-001 CPC=002-002-002
          LSN=lsn01a
```

Legend

CPC	Capability point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code

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

Recovery

Notify the craftsperson at the adjacent node of this error.

1148 - MTP Invalid TFR received

This message indicates the network elements of an adjacent node have not been configured properly.

Example

```
RLGHNCXA21W 00-06-18 19:12:00 EST EAGLE 31.3.0
0147.1148 CARD 1201,A INFO MTP Invalid TFR received
          OPC=001-001-001 CPC=002-002-002
          LSN=lsn01a
```

Legend

CPC	Capability point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code

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

Recovery

Notify the craftsperson at the adjacent node of this error.

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 *Maintenance* manual, *Chapter 4, Measurements* for traffic measurements information.

1150 - SLK Inhibit Denied

The request to inhibit the link has been denied by the far end.

Example

```
RLGHNCXA21W 00-06-18 19:12:00 EST EAGLE 31.3.0
0147.1150    CARD 1201,A INFO SLK Inhibit Denied
```

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

Recovery

Inhibiting the link would cause the far end to prohibit the point code.

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.

1160 - GWS rcvd ISUP that is not allowed

This message indicates gateway screening (GWS) has discarded an MSU because the ISUP is listed as one that is not allowed in this network.

Example

```
RLGHNCXA21W 00-04-18 18:59:58 EST EAGLE 31.3.0
0105.1160   CARD 1205,A INFO GWS rcvd ISUP that is not allowed
             SIO=0a OPC=003-247-000 DPC=002-000-000
             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
             SR=scrb LSN=A1234567
```

Legend

CPC	Capability point code
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

1. This indicates that a MSU was discarded because it failed screening.

   No action is necessary, unless the MSU should have passed. If the MSU should have passed (verified by the fields displayed in the above message), go to step 2.

2. Using the `rtrv-scr-sio` command, verify that the screening reference specified in the above message does not allow MSUs with the priority value indicated.
3. If the MSU should have passed screening, use the `chg-scr-sio` command to add the pri data to the screening reference.

1161 - GWS rcvd nonSNM DESTFLD screening msg

This message indicates gateway screening (GWS) received a message that is not a MTP network management message. Affected Destination (DESTFLD) screening makes sense only for MTP Network Management (SNM) messages. When a non-SNM message is screened for Affected Destination, it is forced to pass screening and this message is generated.

Example

```
RLGHNCXA21W 00-04-18 18:59:58 EST EAGLE 31.3.0
0105.1161 CARD 1103,A INFO GWS rcvd ISUP nonSNM DESTFLD screening msg
             SIO=0a OPC=003-247-000 DPC=002-000-000
             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
             SR=scrb LSN=A1234567
```

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 further action is necessary.

1162 - GWS rcvd nonSCCP CGPA/CDPA screen msg

This message indicates that a message that was not a SCCP message passed CGPA/CDPA screening. CDPA or CGPA screening makes sense only for SCCP messages. When a non-SCCP message is screened for CDPA or CGPA, it is forced to pass screening and this message is generated.

Example

```
RLGHNCXA21W 00-04-18 18:59:58 EST EAGLE 31.3.0
0105.1162 CARD 1103,A INFO GWS rcvd nonSCCP CGPA/CDPA screen msg
            SIO=0a OPC=003-247-000 DPC=002-000-000
            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
            SR=scrb LSN=A1234567
```

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 further action is necessary.

1163 - GWS rcvd invalid GTI in TT screening

This message indicates that a message that was not a SCCP message or an SCCP message that does not contain a TT passed the Allowed TT screening. Allowed TT screening makes sense only for SCCP messages that contain TT. When a non-SCCP message or a SCCP message that does not contain a TT is screened for Allowed TT, it is forced to pass screening and this message is generated.

Example

```
RLGHNCXA21W 00-04-18 18:59:58 EST EAGLE 31.3.0
0105.1163 CARD 1103,A INFO GWS rcvd invalid GTI in TT screening
SIO=0a OPC=003-247-000 DPC=002-000-000
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
SR=scrb LSN=A1234567
```

Legend

CPC	Capability point code
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 further action is necessary.

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.

1165 - Failure Inhibiting LNP SS

The `inh-map-ss` command did not take the LNP subsystem off-line.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
0014.1165 SYSTEM INFO Failure Inhibiting LNP SS
```

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

Recovery

Enter the `inh-map-ss` command with the force parameter.

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 - LNP database audit is disabled

The LNP database audit has been disabled.

The following example will be output every 60 minutes to all LNP terminals.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.1167    SYSTEM      INFO    LNP database audit is disabled
```

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

Recovery

Enter the following command to restore the LNP audit`chg-lnpopts:aud=on`

1168 - Audit of LNP database completed

The LNP database audit cycle has been completed.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.1168    SYSTEM      Audit of LNP databases completed
```

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

Recovery

No action necessary.

1169 - SCCP rcvd inv TCAP portion

SCCP received a message with a Transaction Capabilities Application Part (TCAP) that is unsupported or not valid.This UIM can be generated by features LNP MR or GSM MAP Screening as defined in the following table.

Table 15: Feature Settings

LNP MR	GSM Map Screening	Description
On	Off	SCCP discarded a message. No action is necessary.
Off	On	GSM MAP Screening does not discard the MSU. The action

LNP MR	GSM Map Screening	Description
		provisioned in the GSMDECERR parameter in the STPOPTS table is performed. No action is necessary.
On	On	The TCAP Package Type from the DATA portion of the UIM must be decoded to determine which feature generated the message. • If ANSI TCAP (IS41), then LNP MR generated the message. See the LNP MR description above. • If ITU TCAP (GSM), then GSM MAP Screening generated the message. See the GSM MAP screening description above.

Example

```
RLGHNCXA21W 00-04-18 19:02:12 EST  EAGLE 31.3.0
0113.1169    CARD 1103,A1  INFO   SCCP rcvd inv TCAP portion
             SIO=0a   OPC=004-009-000  DPC=002-000-000
                      CDPA:  AI=10  SSN=005  TT=250
             ADDR=ABCDEF1234567890ABCDE
             CGPA:  AI=12  PC=001-001-001   SSN=002
             DATA=3a e2 38 c7 04 56 04 72 e0 e8 30 e9
                  2e cf 01 00 d0 02 83 01 f2 25 aa 0b
                  84 09 01 00 11 0a 19 49
             LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CDPA	Called party address
CGPA	Calling party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet

SSN	Subsystem number
SR	Screening reference name
TT	Translation type

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

Recovery

No action is necessary.

1172 - REPT-OVSZMSG: MTP MSU too large to rte

An oversized MTP MSU was received and discarded.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.1172   CARD 1103   INFO   REPT-OVSZMSG: MTP MSU too large to rte
LEN=279  SIO=03  DPC=001-001-001  OPC=002-002-002
LSN=A1234657
```

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

Recovery

No action necessary.

1173 - REPT-OVSZMSG: SCCP MSU too large to rte

An oversized SCCP MSU was received and discarded.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.1173  CARD 1103,A2  INFO   REPT-OVSZMSG: SCCP MSU too large to rte
LEN=279
SIO=03    OPC=002-002-002    DPC=001-001-001
SCCP MT=004
CDPA:  AI=8B  PC=003-003-003  SSN=005  TT=250
ADDR=ABCDEF0123456789ABCDE
CGPA:  AI=8B  PC=004-004-004  SSN=006  TT=251
ADDR=919460365512345678912
LSN=A1234657
```

Legend

ADDR	Address
AI	Address Indicator
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
LEN	Data length
LSN	Linkset name. The name must be unique.
OPC	Origination point code

PC	Point code
SCCP MT	SCCP message type
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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.

1175 - Failure Inhibiting INP SS

The `inh-map-ss` command did not take the local subsystem off-line.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.1175   SYSTEM    INFO     Failure Inhibiting INP SS
```

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

Recovery

Enter the `inh-map-ss` command with the force parameter.

1176 - LNP Subscription ref's DPC w/ 0 routes

The system has received a provisioned subscription from the NPAC and has no route for the DPC.

Example

```
RLGHNCXA21W 00-04-18 19:02:12 EST  EAGLE 31.3.0
0113.1176    SYSTEM    INFO   LNP subscription ref's DPC w/ 0 routes
TN=9194605500  LRN=1234567890
DPC(s)=005-022-019   007-021-067   004-016-200
004-016-200   007-021-067   005-022-019
```

Legend

DPC	Destination point code
LRN	Location Routing Number

TN	Telephone number

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

Recovery

No action is necessary.

1177 - Cnvrsn Discard: SCCP MSU too large

An SCCP MSU received was too large and discarded.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.1177  CARD 1103,A2  INFO   Cnvrsn Discard: SCCP MSU too large
LEN=279
SIO=03    OPC=002-002-002    DPC=001-001-001
SCCP MT=004
CDPA:  AI=8B  PC=003-003-003  SSN=005  TT=250
ADDR=ABCDEF0123456789ABCDE
CGPA:  AI=8B  PC=004-004-004  SSN=006  TT=251
ADDR=919460365512345678912
LSN=A1234657
```

Legend

ADDR	Address
AI	Address Indicator
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
LEN	Data length
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SCCP MT	SCCP message type
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action necessary.

1178 - Conversion Discard: Invalid SCCP msg type

This message indicates the STP received a message type that has no equivalent in the opposite protocol.

Example

```
station5 00-04-18 19:12:00 EST  EAGLE 31.3.0
0110.1178   CARD 1205,B  INFO  Conversion Discard: Invalid SCCP msg type
SIO=0e  OPC=4-013-1      DPC=1-003-0
MSG TYPE=004
LSN=A1234657
```

Legend

DPC	Destination point code
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type (for example, connection request, connection confirm, connection refused)
OPC	Origination point code
SIO	Service information octet

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.

1179 - Cnvrsn Discard: CGPA PC alias undefined

An SCCP MSU contained an undefined CGPA PC and was discarded.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1042    CARD 1103,A     INFO    SCCP rcvd inv GT - bad Translation Type
           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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1042    CARD 1103,A     INFO    SCCP rcvd inv GT - bad Translation Type
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                     PC=001-001-001       SSN=004
```

```
             LSN=ABCD123  GTTSET=3 203 46
             Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
AI	Address Indicator
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
LEN	Data length
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SCCP MT	SCCP message type
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

Perform one of the following actions:

- Enable the proper Discard CGPA PC STP Option, based on the network type of the incoming message.

  Refer to the Database *Administration Manual* - Global Title Translation for details.

  OR

- Add the proper alias for the Calling Party Point Code corresponding to the destination network.

  Refer to the Database *Administration Manual* - Global Title Translation for details.

1180 - Conversion Discard: Aft. PC alias undefined

An SCCP MSU contained an undefined affected point code alias. The message was discarded.

Example

```
RLGHNCXA21W 00-04-18 19:04:15 EST  EAGLE 31.3.0
0124.1180   CARD 1106  INFO  Conversion Discard: Aft. PC alias undefined
SIO=0a   OPC=004-031-000  DPC=000-071-000
SCMG:    MSG TYPE=000         MSG LEN=003
AFTPC=004-219-000    AFTSS=000   MULT=000
LSN=A1234567
```

Legend

AFTPC	Affected point code (for SCCP messages)

AFTSS	Affected subsystem (identifies the subsystem that failed)
DPC	Destination point code
LSN	Linkset name. The name must be unique.
MSG LEN	Message length
MSG TYPE	Message type (for example, connection request, connection confirm, connection refused)
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
SCMG	SCCP management message
SIO	Service information octet

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

Recovery

Add the proper alias for the Affected point code corresponding to the destination network.

Refer to the Database *Administration Manual* - Global Title Translation for details.

1181 - Conversion Discard: Invalid SCMG msg type

An SCCP MSU contained an invalid SCCP management message (SCMG) and was discarded

Example

```
RLGHNCXA21W 00-04-18 19:04:15 EST  EAGLE 31.3.0
0124.1181   CARD 1106  INFO   Conversion Discard: Invalid SCMG msg type
SIO=0a   OPC=004-031-000  DPC=000-071-000
SCMG:    MSG TYPE=000         MSG LEN=003
```

Legend

AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)
DPC	Destination point code
LSN	Linkset name. The name must be unique.
MSG LEN	Message length
MSG TYPE	Message type (for example, connection request, connection confirm, connection refused)
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
SCMG	SCCP management message
SIO	Service information octet

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

Recovery

No action necessary.

1182 - Cnvrsn Discard - Invalid TCAP element

An invalid element has been detected.

Example

```
Station 1234 00-03-30 16:20:08 EST  EAGLE 31.3.0
0018.1182 - CARD 1103,A  INFO Cnvrsn Discard:Invalid TCAP element
SIO=03 OPC=001-001-001  DPC=002-002-002
LEN=037 SCCP MT=009
CGPA: AI=C3 PC=004-004-004  SSN=005  TT=053
ADDR=ABCDEF0123456789ABCDE
PKG=E2  CMPNT=EA OFFSET=030 EXPECTED=OA  ACTUAL=AO
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CMPNT	Component
DPC	Destination point code
LEN	Data length
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
PKG	Package
SCCP MT	SCCP message type
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action necessary.

1183 - Cnvrsn Discard - Invalid TCAP elem't len

An element's length of contents field has received an element that extends beyond the end of its container element.

Example

```
Station 1234 00-03-30 16:20:08 EST  EAGLE 31.3.0
0018.1183  CARD 1103,A   INFO Cnvrsn Discard: Invalid TCAP elem't len
SIO=03 OPC=001-001-001  DPC=002-002-002
LEN=037 SCCP MT=009
CGPA: AI=C3 PC=004-004-004  SSN=005  TT=053
```

```
ADDR=ABCDEF0123456789ABCDE
PKG=E2  CMPNT=EA OFFSET=030 EXPECTED=OA  ACTUAL=AO
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CMPNT	Component
DPC	Destination point code
LEN	Data length
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
PKG	Package
SCCP MT	SCCP message type
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action necessary.

1184 - Cnvrsn Discard: Invalid SCCP elem't len

An element's length of contents field has received an element that extends beyond the end of its container element.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0014.1184  CARD 1103,A2  INFO   Cnvrsn Discard: Invalid SCCP elem't len
LEN=279
SIO=03    OPC=002-002-002    DPC=001-001-001
SCCP MT=004
CDPA:  AI=8B  PC=003-003-003  SSN=005  TT=250
ADDR=ABCDEF0123456789ABCDE
CGPA:  AI=8B  PC=004-004-004  SSN=006  TT=251
ADDR=919460365512345678912
LSN=A1234657
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address

CMPNT	Component
DPC	Destination point code
LEN	Data length
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
pkg	Package
SCCP MT	SCCP message type
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action 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 - GPL Table Checksum Mismatch

This message indicates additional diagnostic information in the event of a GPL corruption alarm. Whenever a GPL corruption alarm (UAM 0040) is raised during the GPL Audit, this UIM 1187 is also output to provide the Table ID, Reference Checksum, and Calculated Checksum of the GPL in question.

Example

```
    RLGHNCXA21W 03-01-06 13:46:23 EST  EAGLE 33.0.0
    0014.1187    CARD 1113     INFO      GPL Table Checksum Mismatch
                 TBL ID =  51  CALC CHKSUM=H'B7C0   REF CHKSUM=H'4A5F
              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.

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.

1189 - SCCP did not Route - DPC not in RTE Table

SCCP did not route a message because the destination point code (DPC) is not in the route (RTE) table. The message was discarded.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1189    CARD 1103,A     INFO    SCCP did not Route - DPC not in RTE Table
             TRANSLATED PC=003-003-003       TRANSLATED SS=005
             CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                    PC=003-003-003       SSN=005
             CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                    PC=001-001-001     SSN=004
             LSN=ABCD123  GTTSET=3 (8)
             Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1189    CARD 1103,A     INFO    SCCP did not Route - DPC not in RTE Table
             TRANSLATED PC=003-003-003       TRANSLATED SS=005
                GTT on CdPA used MOSMSGTA=9193802053
             CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                    PC=003-003-003       SSN=005
             CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                    PC=001-001-001     SSN=004
             LSN=ABCD123  GTTSET=3 (8)
             Report Date:02-07-21  Time:16:20:19
```

Legend

ADD	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
GTTSET	GTT Set Index
LSN	Linkset name
NAI	Nature of address indictor
NI	Network indicator value
NP	Numbering plan
PC	Point code
PCI	Point code indicator
RI	Routing indicator
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type
TRANSLATED PC	Translated point code
TRANSLATED SS	Translated subsystem

Note:

If Global Title Translation is found, the GTTSET in which the translation is found appears. If Global Title Translation is not found, the GTTSET does not display.

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

Recovery

Check the absence of the DPC in the Routing table by entering the appropriate DPC type (DPCA, DPCN, DPCN24, whichever is applicable).

For example:`rtrv-rte:dpc=<ni-nc-ncm>`

- If routing to this destination is required, provision the Routing table.

  See *Chapter 2 - Configuring* Destination *Tables - Adding a* Destination Point Code in the Database *Administration Manual - SS7*

- If routing to this destination is not required, remove the destination point code from the Routing table.

  See *Chapter 2 - Configuring* Destination *Tables - Removing a* Destination Point Code in the Database *Administration Manual - SS7* .

1190 - SCCP rcvd inv Clg Party - bad GT ind

The SCCP received a message from the network that was discarded because of a bad global title indicator in the calling party address and that GTT on CGPA is required.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1190    CARD 1103,A     INFO    SCCP rcvd inv Clg Party - bad GT ind
           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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1190    CARD 1103,A     INFO    SCCP rcvd inv Clg Party - bad GT ind
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

Legend

ADD	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator

GTTSET	GTT Set Index
LSN	Linkset name
NAI	Nature of address indictor
NI	Network indicator value
NP	Numbering plan
PC	Point code
PCI	Point code indicator
RI	Routing indicator
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type
TRANSLATED PC	Translated point code
TRANSLATED SS	Translated subsystem

Note:

If Global Title Translation is found, the GTTSET in which the translation is found appears. If Global Title Translation is not found, the GTTSET does not display.

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

Recovery

No action is necessary.

1191 - SCCP rcvd inv Clg Party - bad Selectors

The SCCP received a message from the network requiring CGPA GTT, but the Enhanced GTT could not find a CGPA GTT set using the CGPA GTT selectors from the message.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1191    CARD 1103,A     INFO    SCCP rcvd inv Clg Party - bad Selectors
           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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1191    CARD 1103,A     INFO    SCCP rcvd inv Clg Party - bad Selectors
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

Legend

ADD	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
GTTSET	GTT Set Index
LSN	Linkset name
NAI	Nature of address indictor
NI	Network indicator value
NP	Numbering plan
PC	Point code
PCI	Point code indicator
RI	Routing indicator
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type
TRANSLATED PC	Translated point code
TRANSLATED SS	Translated subsystem

Note:

If Global Title Translation is found, the GTTSET in which the translation is found appears. If Global Title Translation is not found, the GTTSET does not display.

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

Recovery

1. This UIM indicates that Enhanced GTT was attempted, but the GTT selectors lookup failed.

GTT selectors are GTI & TT (along with NP & NAI for ITU MSUs with GTI=4). If this MSU should have been routed, continue to *Step 2* on page 448.

2. Use the following command to check whether GTT selectors in the arrived MSU are provisioned in the GTTSEL table:`rtrv=gttsel`
3. If the GTTSEL 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 GTTSEL table.`ent-gttsel`

1192 - SCCP translation found: XLAT=UDTS

GTT is found with a UDTS action.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1192    CARD 1103,A     INFO    SCCP translation found: XLAT=UDTS
             TRANSLATED PC=003-003-003       TRANSLATED SS=005
             CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                    PC=003-003-003       SSN=005
             CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                    PC=001-001-001     SSN=004
             LSN=ABCD123  GTTSET=3 (8)
             Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1192    CARD 1103,A     INFO    SCCP translation found: XLAT=UDTS
             TRANSLATED PC=003-003-003       TRANSLATED SS=005
                GTT on CdPA used MOSMSGTA=9193802053
             CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                    PC=003-003-003       SSN=005
             CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                    PC=001-001-001     SSN=004
             LSN=ABCD123  GTTSET=3 (8)
             Report Date:02-07-21  Time:16:20:19
```

Legend

ADD	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
GTTSET	GTT Set Index
LSN	Linkset name
NAI	Nature of address indictor

NI	Network indicator value
NP	Numbering plan
PC	Point code
PCI	Point code indicator
RI	Routing indicator
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type
TRANSLATED PC	Translated point code
TRANSLATED SS	Translated subsystem

Note:

If Global Title Translation is found, the GTTSET in which the translation is found appears. If Global Title Translation is not found, the GTTSET does not display.

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

Recovery

No action is necessary.

1193 - SCCP translation found: XLAT=DISC

GTT is found with a DISCARD action.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1193    CARD 1103,A     INFO    SCCP translation found: XLAT=DISC
             TRANSLATED PC=003-003-003       TRANSLATED SS=005
             CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                    PC=003-003-003       SSN=005
             CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                    PC=001-001-001     SSN=004
             LSN=ABCD123  GTTSET=3 (8)
             Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1193    CARD 1103,A     INFO    SCCP translation found: XLAT=DISC
             TRANSLATED PC=003-003-003       TRANSLATED SS=005
                GTT on CdPA used MOSMSGTA=9193802053
             CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                    PC=003-003-003       SSN=005
             CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
```

```
                  PC=001-001-001     SSN=004
            LSN=ABCD123  GTTSET=3 (8)
            Report Date:02-07-21  Time:16:20:19
```

Legend

ADD	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
GTTSET	GTT Set Index
LSN	Linkset name
NAI	Nature of address indictor
NI	Network indicator value
NP	Numbering plan
PC	Point code
PCI	Point code indicator
RI	Routing indicator
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type
TRANSLATED PC	Translated point code
TRANSLATED SS	Translated subsystem

Note:

If Global Title Translation is found, the GTTSET in which the translation is found appears. If Global Title Translation is not found, the GTTSET does not display.

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

Recovery

No action is necessary.

1195 - SCCP did not route - DPC/SS not in mapset

The SCCP did not route a message because the destination point code and destination subsystem was not in the mapset. The message was discarded.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1195    CARD 1103,A     INFO    SCCP did not route - DPC/SS not in mapset
             TRANSLATED PC=003-003-003       TRANSLATED SS=005
             CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=250  NP=04  NAI=010  ADDR=12345678901234567890
                    PC=003-003-003       SSN=005
```

```
             CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                    PC=001-001-001     SSN=004
             LSN=ABCD123  GTTSET=3 (8)
             Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1195    CARD 1103,A     INFO    SCCP did not route - DPC/SS not in mapset
             TRANSLATED PC=003-003-003       TRANSLATED SS=005
                GTT on CdPA used MOSMSGTA=9193802053
             CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                    PC=003-003-003       SSN=005
             CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                    PC=001-001-001     SSN=004
             LSN=ABCD123  GTTSET=3 (8)
             Report Date:02-07-21  Time:16:20:19
```

Legend

ADD	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
GTTSET	GTT Set Index
LSN	Linkset name
NAI	Nature of address indictor
NI	Network indicator value
NP	Numbering plan
PC	Point code
PCI	Point code indicator
RI	Routing indicator
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type
TRANSLATED PC	Translated point code
TRANSLATED SS	Translated subsystem

Note:

If Global Title Translation is found, the GTTSET in which the translation is found appears. If Global Title Translation is not found, the GTTSET does not display.

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

Recovery

1. If the DPC/SS indicated in the message should not be routed to, no further action is necessary.
2. If the DPC/SS should be routed to from the EAGLE 5 ISS, use the following command to enter the DPC/SS into the mapset (obtained as outcome of GT translation, with which load sharing is desired) in the MAP table.`ent-map`

1196 - IP Connection Congestion Timeout

This UIM indicates an M3UA or SUA association on the IPGWx GPL has been congested for 30 seconds. At the end of the 30 second period, the congested association is moved to the out-of-service state. All traffic buffered for the association is discarded, at which time this UIM message is displayed.

To prevent a M3UA or a SUA association from remaining congested forever, a 30 second timer is started when an association becomes congested. A separate timer is started for each association that becomes congested.

Approximately one second after the traffic has been discarded, the association is automatically allowed to accept incoming requests to reestablish the association. The timer is not configurable and is not displayed.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 35.0.0
0003.1196    CARD 1213,A   INFO      IP Connection Congestion Timeout
ANAME   = LONGASSOCNAME1
```

Legend

ANAME	Long Association Name

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

Recovery

This is an informational message. No further action is necessary.

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

Reports that an attempt to connect to an IP client failed because the hostname could not be found on the IP network.

Example

```
RLGHNCXA03W 99-04-10 16:28:08 EST EAGLE 35.0.0
0003.1198    DCM 1213,A    IP connection, Cannot resolve RHOST
RIPADDR = Unknown
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.

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 *Maintenance* manual, *Chapter 4, Measurements* .

   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.

1215 - GWS rcvd CDPA that could not be CNCFd

This message indicates the EAGLE 5 ISS received an MSU, with a called party address (CDPA) that is not allowed in gateway screening (GWS) and cannot be converted.

Example

```
RLGHNCXA21W 00-04-18 18:59:23 EST EAGLE 31.3.0
0101.1215 CARD 1205,B INFO GWS rcvd CDPA that could not be CNCFd
SIO=0a OPC=003-244-000 DPC=000-071-000
SCCP MT= 18
```

```
CDPA: AI=10 PC=003-003-003 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=10 PC=004-004-004 SSN=005 TT=251
ADDR=ABCDEF1234567890ABCDE
SR=scrb LSN=A1234567
```

Note:

Four outputs are possible. The Legend includes abbreviations found in all variations.

Legend

ADDR	Address
AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)
AI	Address Indicator
CDPA	Called party address
CGPA	Calling party address
DATA	Information from the upper layers of SCCP management
DPC	Destination point code
H0H1	H0/H1 heading code
LSN	Linkset name. The name must be unique.
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SCCP MT	SCCP message type
SCMG	SCCP management message
SIO	Service information octet
SR	Screening reference name
SSN	Subsystem number
TT	Translation type
TYPE	SCCP management message type

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

Recovery

1. If this called party address (CDPA) is one that should be converted, add the CDPA to the gateway screening (GWS) tables assigned to the link reporting this message.

   Use the `chg-scr-cdpa` command to add the CDPA to the list of allowed CDPA codes. Refer to the Database *Administration Manual* - Gateway Screening for instructions on adding a CDPA to GWS.

2. If the CDPA should not be converted, no action is necessary.

1216 - GWS rcvd CGPA that could not be CNCFd

This message indicates the EAGLE 5 ISS received an MSU, with a calling party address (CGPA) that is not allowed in gateway screening (GWS) and cannot be converted.

Example

```
RLGHNCXA21W 00-04-18 18:59:23 EST EAGLE 31.3.0
0101.1216 CARD 1205,B INFO GWS rcvd CGPA that could not be CNCFd
SIO=0a OPC=003-244-000 DPC=000-071-000
SCCP MT= 18
CDPA: AI=10 PC=003-003-003 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=10 PC=004-004-004 SSN=005 TT=251
ADDR=ABCDEF1234567890ABCDE
SR=scrb LSN=A1234567
```

Four outputs are possible.

Legend

ADDR	Address
AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)
AI	Address Indicator
CDPA	Called party address
CGPA	Calling party address
DATA	Information from the upper layers of SCCP management
DPC	Destination point code
H0H1	H0/H1 heading code
LSN	Linkset name. The name must be unique.
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SCCP MT	SCCP message type
SCMG	SCCP management message
SIO	Service information octet
SR	Screening reference name
SSN	Subsystem number
TT	Translation type

TYPE	SCCP management message type

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

Recovery

1. If this calling party address (CGPA) is one that should be converted, add the CGPA to the gateway screening (GWS) tables assigned to the link reporting this message.

   Use the `chg-scr-cgpa` command to add the CGPA to the list of allowed CGPA codes. Refer to the Database *Administration Manual* - Gateway Screening for instructions on adding a CGPA to GWS.

2. If the CGPA should not be converted, no action is necessary.

1217 - GWS rcvd AFTPC that could not be CNCFd

This message indicates the EAGLE 5 ISS received an MSU, with an allowed affected point code (AFTPC) that is not allowed in gateway screening (GWS) and cannot be converted.

Example

```
RLGHNCXA21W 00-04-18 18:59:23 EST EAGLE 31.3.0
0101.1217 CARD 1205,B INFO GWS rcvd AFTPC that could not be CNCFd
SIO=0a OPC=003-244-000 DPC=000-071-000
SCCP MT= 18
CDPA: AI=10 PC=003-003-003 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=10 PC=004-004-004 SSN=005 TT=251
ADDR=ABCDEF1234567890ABCDE
SR=scrb LSN=A1234567
```

Note:

Four outputs are possible. The Legend includes abbreviations found in all variations.

Legend

ADDR	Address
AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)
AI	Address Indicator
CDPA	Called party address
CGPA	Calling party address
DATA	Information from the upper layers of SCCP management
DPC	Destination point code
H0H1	H0/H1 heading code
LSN	Linkset name. The name must be unique.
MULT	SCCP management message multiplicity indicator
OPC	Origination point code

PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SCCP MT	SCCP message type
SCMG	SCCP management message
SIO	Service information octet
SR	Screening reference name
SSN	Subsystem number
TT	Translation type
TYPE	SCCP management message type

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

Recovery

1. If this calling allowed affected point code (AFTPC) is one that should be converted, add the AFTPC to the gateway screening (GWS) tables assigned to the link reporting this message.

   Use the `chg-scr-aftpc` command to add the AFTPC to the list of allowed AFTPC codes. Refer to the Database *Administration Manual* - Gateway Screening for instructions on adding a AFTPC to GWS.

2. If the AFTPC should not be converted, no action is necessary.

1218 - GWS rcvd TT that could not be CNCFd

This message indicates the EAGLE 5 ISS received an MSU, with a translation type (TT) that is not allowed in gateway screening (GWS) and cannot be converted.

Example

```
RLGHNCXA21W 00-04-18 18:59:23 EST EAGLE 31.3.0
0101.1218 CARD 1205,B INFO GWS rcvd TT that could not be CNCFd
SIO=0a OPC=003-244-000 DPC=000-071-000
SCCP MT= 18
CDPA: AI=10 PC=003-003-003 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=10 PC=004-004-004 SSN=005 TT=251
ADDR=ABCDEF1234567890ABCDE
SR=scrb LSN=A1234567
```

Note:

Four outputs are possible. The Legend includes abbreviations found in all variations.

Legend

ADDR	Address
AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)
AI	Address Indicator

CDPA	Called party address
CGPA	Calling party address
DATA	Information from the upper layers of SCCP management
DPC	Destination point code
H0H1	H0/H1 heading code
LSN	Linkset name. The name must be unique.
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
SCCP MT	SCCP message type
SCMG	SCCP management message
SIO	Service information octet
SR	Screening reference name
SSN	Subsystem number
TT	Translation type
TYPE	SCCP management message type

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

Recovery

1. If this TT is one that should be converted, add the TT to the gateway screening (GWS) tables assigned to the link reporting this message.

   Use the `chg-scr-tt` command to add the TT to the list of allowed TT codes. Refer to the Database *Administration Manual* - Gateway Screening for instructions on adding a TT to GWS.

2. If this TT should not be converted, no action is necessary.

1219 - SCCP rcvd inv Cld Party - bad GT ind

This message indicates that SCCP received a message from the network that was discarded because of a bad global title indicator in the called party address.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1219    CARD 1103,A     INFO    SCCP rcvd inv Cld Party - bad GT ind
          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=123456789012345678901
                    PC=003-003-003       SSN=005
```

```
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1219    CARD 1103,A     INFO    SCCP rcvd inv Cld Party - bad GT ind
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
MSG TYPE	Message type (for example, connection request, connection confirm, connection refused)
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

This indicates that SCCP received a message that was discarded because the global title field in the called party address was invalid in the EAGLE 5 ISS.

Check translations on the originating switch to determine the trouble.

1220 - SCCP rcvd inv Cld Party - bad network

This message indicates that SCCP received a message from the network that it could not route and was discarded because of an invalid network indicator in the called party address.

Example

```
station1234 99-08-30 16:28:08 EST EAGLE 35.0.0
0018.1220 CARD 1103,A INFO SCCP rcvd inv Cld Party - bad network
SIO=03 OPC=001-001-001 DPC=002-002-002
SCCP MSG TYPE=04
CDPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
TT=250 NP=04 NAI=010 ADDR=123456789012345678901
PC=003-003-003 SSN=005
CGPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
TT=100 NP=07 NAI=012 ADDR=01234567890123456789O
PC=001-001-001 SSN=004
LSN=A1234567
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
MSG TYPE	Message type (for example, connection request, connection confirm, connection refused)
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

This indicates that SCCP discarded a message because the network indicator (national or international) provided in the called party address is invalid in the EAGLE 5 ISS.

Contact that node and inform them of the problem.

1221 - SCCP rcvd inv Cld Party - no SSN

This message indicates that SCCP received a message from the network that it could not route and was discarded because no subsystem number was present in the called party address.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1221    CARD 1103,A     INFO    SCCP rcvd inv Cld Party - no SSN
           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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1221    CARD 1103,A     INFO    SCCP rcvd inv Cld Party - no SSN
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
MSG TYPE	Message type (for example, connection request, connection confirm, connection refused)
NAI	Nature of address indicator
NI	Network indicator value

NP	Numbering plan
OPC	Origination point code
PC	Point code
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

The sender of the discarded message is using an invalid message format.

If there is only one occurrence, no action is necessary. However, if the condition continues, there may be problem at the node that is sending the invalid message. Contact that node and inform them of the problem.

1222 - SCCP rcvd inv GT - invalid selectors

This message indicates that SCCP receives a message from the network requiring global title translation but the message is discarded because the system does not recognize the translation type.

Example

```
station1234 99-08-30 16:28:08 EST EAGLE 35.0.0
0018.1222 CARD 1103,A INFO SCCP rcvd inv GT - invalid selectors
SIO=03 OPC=001-001-001 DPC=002-002-002
SCCP MSG TYPE=04
CDPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
TT=250 NP=04 NAI=010 ADDR=123456789012345678901
PC=003-003-003 SSN=005
CGPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
TT=100 NP=07 NAI=012 ADDR=01234567890123456789O
PC=001-001-001 SSN=004
LSN=A1234567
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
MSG TYPE	Message type (for example, connection request, connection confirm, connection refused)
NAI	Nature of address indicator

NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

1. This indicates a SCCP message was received with an invalid global title.

   The translation type indicator was invalid in the EAGLE 5 ISS. If this message should have been routed (verified by the output shown above), continue to *Step 2* on page 467.

2. Use the command `rtrv-tt`, and verify that the indicated translation type does not appear in the translation types table.
3. If there is no entry for the translation type indicated in the message, and there should be, use the `ent-tt` command to add the translation type to the Eagle STP translation type table.

   For more information about procedures for entering translation types, refer to the Database *Administration Manual* - Global Title Translation .

1223 - SCCP did not route - bad translation

This message indicates that SCCP did not route a message because it could not translate the global title. The message was discarded.

Example

```
station1234 99-08-30 16:28:08 EST EAGLE 35.0.0
0018.1223 CARD 1103,A INFO SCCP did not route - bad translation
SIO=03 OPC=001-001-001 DPC=002-002-002
SCCP MSG TYPE=04
CDPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
TT=250 NP=04 NAI=010 ADDR=123456789012345678901
PC=003-003-003 SSN=005
CGPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
TT=100 NP=07 NAI=012 ADDR=01234567890123456789O
PC=001-001-001 SSN=004
LSN=A1234567
```

Legend

ADDR	Address
CDPA	Called party address

CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
MSG TYPE	Message type (for example, connection request, connection confirm, connection refused)
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

1. Enter the following command to verify the global title:

   `rtrv-gtt:type=x:gta=yyyyyyyyyyyyyyyyyyyy`

   where: *x* = SCCP message type and *yyyyyyyyyyyyyyyyyyyy* = cdpa address

2. If the global title is valid, refer to the Database *Administration Manual* - Global Title Translation to update the database.

   If the message was correctly discarded, no action is necessary.

1224 - SCCP rcvd inv LSS - bad SSN

This message indicates that SCCP received a message destined to a local subsystem that was discarded because of a bad subsystem number (SSN).

Example

```
station1234 99-08-30 16:28:08 EST EAGLE 35.0.0
0018.1224 CARD 1103,A INFO SCCP rcvd inv LSS - bad SSN
SIO=03 OPC=001-001-001 DPC=002-002-002
SCCP MSG TYPE=04
CDPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
TT=250 NP=04 NAI=010 ADDR=123456789012345678901
PC=003-003-003 SSN=005
CGPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
TT=100 NP=07 NAI=012 ADDR=01234567890123456789O
PC=001-001-001 SSN=004
LSN=A1234567
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
MSG TYPE	Message type (for example, connection request, connection confirm, connection refused)
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

The EAGLE 5 ISS only supports subsystem 1.

All other local subsystem numbers are invalid. Contact that node and inform them of the problem. No further action is necessary.

1225 - SCCP did not route - DPC OOS

This message indicates that SCCP did not route a message because the destination point code (DPC) was out-of-service (OOS). The message was discarded.

Example

```
station1234 99-08-30 16:28:08 EST EAGLE 35.0.0
0019.1225 CARD 1104,A SCCP did not route - DPC OOS
TRANSLATED PC=003-003-003 TRANSLATED SS=005
CDPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
TT=250 NP=04 NAI=010 ADDR=123456789012345678901
PC=003-003-003 SSN=005
CGPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
TT=100 NP=07 NAI=012 ADDR=01234567890123456789O
PC=004-004-004 SSN=003
LSN=A1234567
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
MSG TYPE	Message type (for example, connection request, connection confirm, connection refused)
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type
TRANSLATED PC	Translated point code
TRANSLATED SS	Translated subsystem

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

Recovery

1. Check the route and linksets by entering the `rept-stat-dstn` and `rept-stat-ls` commands.
2. Verify the link status using the `rept-stat-slk` command.

   For example, enter:

   `rept-stat-slk:loc=xxxx:port=b`

   where *xxxx* is the card location.

   Following is an example of the output:

```
    RLGHNCXA03W 00-09-27 17:00:36 EST  EAGLE 35.0.0
SLK     LSN          CLLI         PST           SST        AST
1201,B  nsp1         ls02clli     OOS-MT        Unavail     ----
   ALARM STATUS       =  No alarm
   UNAVAIL REASON     =  FL NA LI RI
Command Completed.
```

3. Check the UNAVAIL REASON field in the output of the `rept-stat-slk` command.

   Following is an explanation of the UNAVAIL REASON codes:

FL - The signaling link has a fault.

NA - The signaling link is not aligned.

LI - The signaling link has been inhibited locally.

RI - The signaling link has been inhibited remotely.

LB - The signaling link has been blocked locally.

RB - The signaling link has been blocked remotely.

FC - The signaling link is unavailable because of false congestion.

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.

4. 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.

5. 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.
6. 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 does not come up and links align, try first reseating the card, then replacing the card.

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

7. If the UNAVAIL REASON indicates a locally inhibited link, enter the `unhb-slk` command with the specified card location.
8. If the UNAVAIL REASON indicates a locally blocked link, enter the `ublk-slk` command with the specified card location.
9. Otherwise, this indicates a failure at the distant node.

   Routing to this node has been halted as a result of network management. Maintenance personnel should be aware of the OOS condition, but no action is necessary. Monitor the links to the DPC and verify the DPC status changes to IS-NR (In-Service - Normal).

1226 - SCCP did not route - DPC congested

This message indicates that SCCP did not route a message because the destination point code (DPC) was congested. The message was discarded.

Example

```
station1234 99-08-30 16:28:08 EST EAGLE 35.0.0
0019.1226 CARD 1104,A SCCP did not route - DPC congested
TRANSLATED PC=003-003-003 TRANSLATED SS=005
CDPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
TT=250 NP=04 NAI=010 ADDR=123456789012345678901
PC=003-003-003 SSN=005
CGPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
TT=100 NP=07 NAI=012 ADDR=01234567890123456789O
```

```
PC=004-004-004 SSN=003
LSN=A1234567
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
MSG TYPE	Message type (for example, connection request, connection confirm, connection refused)
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type
TRANSLATED PC	Translated point code
TRANSLATED SS	Translated subsystem

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

Recovery

This indicates an SCCP message was discarded due to congestion at a distant node. Maintenance personnel should monitor the network and verify the nodes congestion status changes to zero (no congestion).

Note: A transfer controlled (TFC) should have been received on the link to indicate congestion to this node. When the congestion status changes, the congestion status indicator in the flow control messages will indicate what message type priorities can be transmitted to the distant node. If the condition persists, follow normal company procedures in dealing with congestion at distant nodes.

1227 - SCCP did not route - DPC not in MAP tbl

This message indicates that SCCP did not route a message because the destination point code was not in the mated application (MAP) table. The message was discarded.

Example

```
station1234 99-08-30 16:28:08 EST EAGLE 35.0.0
0019.1227 CARD 1104,A SCCP did not route - DPC not in MAP tbl
TRANSLATED PC=003-003-003 TRANSLATED SS=005
CDPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
TT=250 NP=04 NAI=010 ADDR=12345678901234567890l
PC=003-003-003 SSN=005
CGPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
TT=100 NP=07 NAI=012 ADDR=012345678901234567890
PC=004-004-004 SSN=003
LSN=A1234567
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
MSG TYPE	Message type (for example, connection request, connection confirm, connection refused)
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type
TRANSLATED PC	Translated point code
TRANSLATED SS	Translated subsystem

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

Recovery

1. If the DPC indicated in the message should not be routed to, no further action is necessary.
2. If the DPC should be routed to from the EAGLE 5 ISS, refer to the *Commands Manual* and use the `ent-map` command to enter the DPC into the mated application (MAP) table.

1228 - SCCP did not route - SS OOS

This message indicates that SCCP did not route a message because the destination subsystem (SSN) was Out-of -Service. The message was discarded.

Example

```
station1234 99-08-30 16:28:08 EST EAGLE 35.0.0
0019.1228 CARD 1104,A SCCP did not route - SS OOS
TRANSLATED PC=003-003-003 TRANSLATED SS=005
CDPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
TT=250 NP=04 NAI=010 ADDR=123456789012345678901
PC=003-003-003 SSN=005
CGPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
TT=100 NP=07 NAI=012 ADDR=012345678901234567890
PC=004-004-004 SSN=003
LSN=A1234567
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
MSG TYPE	Message type (for example, connection request, connection confirm, connection refused)
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type
TRANSLATED PC	Translated point code
TRANSLATED SS	Translated subsystem

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

Recovery

This indicates that an MSU was discarded because the DPC SSN to which it was addressed is out-of-service (OOS). Contact the distant end node to which this message refers and verify that action is being taken to bring the SCCP back into service.

1229 - SCCP did not route - SS congested

This message indicates that SCCP did not route a message because the subsystem was congested. The message was discarded.

Example

```
station1234 99-08-30 16:28:08 EST EAGLE 35.0.0
0019.1229 CARD 1104,A SCCP did not route - SS congested
TRANSLATED PC=003-003-003 TRANSLATED SS=005
CDPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
TT=250 NP=04 NAI=010 ADDR=123456789012345678901
PC=003-003-003 SSN=005
CGPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
TT=100 NP=07 NAI=012 ADDR=01234567890123456789O
PC=004-004-004 SSN=003
LSN=A1234567
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
MSG TYPE	Message type (for example, connection request, connection confirm, connection refused)
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type
TRANSLATED PC	Translated point code
TRANSLATED SS	Translated subsystem

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

Recovery

This indicates an SCCP message was discarded due to congestion at a subsystem. Maintenance personnel should monitor the network and verify the subsystems congestion status changes to zero (no congestion).

Note: A transfer controlled (TFC) should have been received on the link to indicate congestion to this node. When the congestion status changes, the congestion status indicator in the flow control messages will indicate what message type priorities can be transmitted to the distant node. If the condition persists, follow normal company procedures in dealing with congestion at distant nodes.

1230 - SCCP did not route - SS not in MAP tbl

This message indicates that SCCP did not route a message because the destination subsystem was not in the Mated Application (MAP) table. The message was discarded.

Example

```
station1234 99-08-30 16:28:08 EST EAGLE 35.0.0
0019.1230 CARD 1104,A SCCP did not route - SS not in MAP tbl
TRANSLATED PC=003-003-003 TRANSLATED SS=005
CDPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
TT=250 NP=04 NAI=010 ADDR=123456789012345678901
PC=003-003-003 SSN=005
CGPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
TT=100 NP=07 NAI=012 ADDR=01234567890123456789O
PC=004-004-004 SSN=003
LSN=A1234567
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
MSG TYPE	Message type (for example, connection request, connection confirm, connection refused)
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number

SSNI	Subsystem number indicator
TT	Translation type
TRANSLATED PC	Translated point code
TRANSLATED SS	Translated subsystem

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

Recovery

1. If the subsystem indicated in the message is not a mated application to the EAGLE 5 ISS, no further action is necessary.
2. If the SCCP message should have been routed, refer to the *Commands Manual* and use the `ent-map` command to add the subsystem number to the mated application (MAP) table.

1231 - SCCP Encode Failure

This message indicates that there is an SCCP encode failure.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0241.1231    CARD 1101,A1  INFO      SCCP Encode Failure
                SIO=03   OPC=1-200-2           DPC=3-054-4
                CDPA LENGTH=019   MSG TYPE=04
                CDPA: AI=05 PC=1-050-1          SSN=006 TT=007
                      ADDR=ABCDEF0123456789ABCDE
                LSN=ABCD123
                Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0241.1231    CARD 1101,A1  INFO      SCCP Encode Failure
                SIO=03   OPC=1-200-2           DPC=3-054-4
                CDPA LENGTH=019   MSG TYPE=04
                   GTT on CdPA used MOSMSGTA=9193802053
                CDPA: AI=05 PC=1-050-1          SSN=006 TT=007
                      ADDR=ABCDEF0123456789ABCDE
                LSN=ABCD123
                Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
AI	Address Indicator
CDPA LENGTH	Called party address length
	Called party address
CGPA	Calling party address
DPC	Destination point code

MSG TYPE	Message type (for example, connection request, connection confirm, connection refused)
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

Contact the distant end node this message refers to and verify action is being taken to correct the SCCP encode failure problem.

1232 - SCCP Encode Failure

This message indicates that there is an SCCP encode failure.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1232    CARD 1103,A     INFO    SCCP Encode Failure
           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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1232    CARD 1103,A     INFO    SCCP Encode Failure
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address

CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type (for example, connection request, connection confirm, connection refused)
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

Contact the distant end node this message refers to and verify action is being taken to correct the SCCP encode failure problem.

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 ITU TFR on the linkset on which it was received.

   The ITU TFR procedure is valid for ITU national linksets only. As currently configured, the linkset does not accept TFRs.

2. If ITU TFRs 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 ITU TFRs.

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.

1237 - Dynamic database audit not current

The dynamic database audit has detected that checksums are inconsistent. This means that one or more cards do not concur with the current network configuration.

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

No action necessary.

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 16: 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.
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 *Customer Care Center* on page 4.

1239 - LNP updates inhibited:loading mode stability

This message indicates that LNP updates are being inhibited until the download sequence for a card or group of cards completes.

Example

```
station1234 96-08-01 16:28:08 EST EAGLE 35.0.0
1234.1239 SYSTEM INFO DB updates inhibited:loading stability
```

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

Recovery

This is an automatic process and no action is necessary.

1240 - LNP updates allowed:loading mode stability

This message indicates that the download sequence for a card or group of cards is completed and the LNP updates are allowed.

Example

```
station1234 96-08-01 16:28:08 EST EAGLE 35.0.0
1234.1240 SYSTEM INFO DB updates allowed:loading stability
```

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

Recovery

This is an automatic process and no action is necessary.

1241 - LNP Incremental Loading

This message indicates the progress in downloading the LNP database information to the applicable card or cards.

Example

```
tekelecstp 00-04-24 06:54:41 EST EAGLE 35.0.0
5402.1241 SYSTEM INFO REPT EVT: LNP Incremental Loading.
Database levels loaded : 0 of 1143
Card List: 1101
```

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

Recovery

No corrective action is required.

1242 - Conv to intl num - Dflt CC not found

This message indicates that the default country code is not defined.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1242    CARD 1103,A     INFO    Conv to intl num - Dflt CC 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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1242    CARD 1103,A     INFO    Conv to intl num - Dflt CC not found
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
	Linkset name. The name must be unique.
MSG TYPE	Message type (for example, connection request, connection confirm, connection refused)
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

Define the default CC using the `chg-stpopts:defcc` command. Refer to the *Commands Manual* for the proper usage.

1243 - Conv to intl num - Dflt NC not found

This message indicates that the default network destination code is not defined.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1243    CARD 1103,A     INFO    Conv to intl num - Dflt NC 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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1243    CARD 1103,A     INFO    Conv to intl num - Dflt NC not found
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
	Linkset name. The name must be unique.
MSG TYPE	Message type (for example, connection request, connection confirm, connection refused)
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code

PC	Point code
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

Define the default CC using the `chg-stpopts:defndc` command. Refer to the *Commands Manual* for the proper usage.

1244 - Conv to intl num - Dflt MCC not found

This message indicates that the default E212 mobile country code is not defined.

Example

```
station1234 99-08-30 16:28:08 EST EAGLE 35.0.0
0018.1244 CARD 1103,A INFO Conv to intl num - Dflt MCC not found
SIO=03 OPC=001-001-001 DPC=002-002-002
SCCP MSG TYPE=04
CDPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
TT=250 NP=04 NAI=010 ADDR=123456789012345678901
PC=003-003-003 SSN=005
CGPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
TT=100 NP=07 NAI=012 ADDR=01234567890123456789O
PC=001-001-001 SSN=004
LSN=A1234567
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type (for example, connection request, connection confirm, connection refused)
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code

PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

Define the default CC using the *chg-gsmopts:defmcc* command. Refer to the *Commands Manual* for the proper usage.

1245 - Conv to intl num - Dflt MNC not found

This message indicates that the default E212 mobile network code is not defined.

Example

```
station1234 99-08-30 16:28:08 EST EAGLE 35.0.0
0018.1245 CARD 1103,A INFO Conv to intl num - Dflt MNC not found
SIO=03 OPC=001-001-001 DPC=002-002-002
SCCP MSG TYPE=04
CDPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
TT=250 NP=04 NAI=010 ADDR=123456789012345678901
PC=003-003-003 SSN=005
CGPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
TT=100 NP=07 NAI=012 ADDR=01234567890123456789O
PC=001-001-001 SSN=004
LSN=A1234567
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
	Linkset name. The name must be unique.
MSG TYPE	Message type (for example, connection request, connection confirm, connection refused)
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code
PCI	Protocol control information

RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

Define the default CC using the `chg-gsmopts:defmnc` command. Refer to the *Commands Manual* for the proper usage.

1246 - Invalid length of conditioned digits

This message indicates that the the length of the conditioned international number is less than 5 or greater than 15 digits.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1246    CARD 1103,A     INFO    Invalid length of conditioned digits
           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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1246    CARD 1103,A     INFO    Invalid length of conditioned digits
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address

CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type (for example, connection request, connection confirm, connection refused)
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

Use an international number that is within the proper range - 5 or greater and 15 or less.

1247 - Conversion of MGT to IMSI not possible

This message indicates that the E212 mobile country code for the E214 mobile network code is not defined.

Example

```
station1234 99-08-30 16:28:08 EST EAGLE 35.0.0
0018.1247 CARD 1103,A INFO Conversion of MGT to IMSI not possible
SIO=03 OPC=001-001-001 DPC=002-002-002
SCCP MSG TYPE=04
CDPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
TT=250 NP=04 NAI=010 ADDR=123456789012345678901
PC=003-003-003 SSN=005
CGPA: NI=1 RI=0 GTI=04 SSNI=1 PCI=1
TT=100 NP=07 NAI=012 ADDR=01234567890123456789O
PC=001-001-001 SSN=004
LSN=A1234567
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address

DPC	Destination point code
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type (for example, connection request, connection confirm, connection refused)
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

Enter the E214 part for the E214 code in the database using the `chg-gsmopts:ccnc=xxxxxxxx:mccmnc=xxxxxxx` command. Refer to the *Commands Manual* for the proper usage.

1248 - GSM MAP Screening rcvd unknown originator

This message occurs when an MSU arrives with a SSN and MAP Op-Code that exist in the GSM SSN and MAP Op-Code tables, but the CGPA address does not exist in the GSM MAP Screening table or the CgPA address exists in the table but with an incorrect NPV/NAIV. In this case, the default action for the Op-Code applies.

Example

```
RLGHNCXA21W 00-11-18 18:59:23 EST EAGLE 35.0.0
0018.1248 CARD 1103 INFO GSM MAP Screening rcvd unknown originator
OPC=001-001-001
CDPA: NI=1 RI=0 GTI=04 SSNI=0 PCI=1
TT=250 NP=04 NAI=010 ADDR=123456789012345678901
PC=003-003-003 SSN=005
CGPA: NI=1 RI=0 GTI=04 SSNI=0 PCI=1
TT=100 NP=07 NAI=012 ADDR=01234567890123456789O
PC=001-001-001 SSN=004
DATA=3a e2 38 c7 04 56 04 72 e0 e8 30 e9
2e cf 01 00 d0 02 83 01 f2 25 aa 0b
84 09 01 00 11 0a 19 49
Op-Code=61 Forbidden Param=N/A Action=Discard
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DATA	Hex dump of TCAP part of MSU
GTI	Global title indicator
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OP-CODE	Operation Code
OPC	Origination point code
PARAM	Parameter
PC	Point code
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

1. To prevent the GSM screening from disallowing this MSU, you can add the CgPA address to the GSM MAP or correct the CgPA address NPV or NAIV.
2. Alternatively, you may choose to disable MPS Screening on the specific linkset entirely.

   In an emergency situation for example, you can prevent MAP Screening from occurring on any suspected linkset with the `chg-ls:gsmscrn=off` command. Using this command means no MAP Screening will be performed on any MSU arriving through the linkset, which results in UIM #1248 no longer appearing.
3. Another choice is to change the default action shown in the example.

   It shows the `Action=Discard` for any MSU with `Op-Code=61`. This choice lets you set the default action to `Pass`; specify the command `chg-gsms-opcode:opname`= <insert the `opname` corresponding to the Op-Code> `:ndfltact=pass`. This action does not prevent UIMs from being reported, but it does prevent the specified Op-Code from being discarded.
4. If the frequency of UIM #1248 messages is distracting, you can limit the number of UIMs displayed per time interval for a specific UIM.

   Use the command `set-uim-acthresh:limit=1:intrvl=5:uimn=1248` to limit the output of UIM #1248 to one output every 5 minutes.

   Note:

Use this suggestion sparingly, if at all. This action has value in temporarily suppressing a large volume of UIMs while diagnosing a MAP Screening situation.

1249 - SCCP rcvd GSM MAP Opcode w/forbidden param

This message occurs when an MSU is screened in the GSM MAP Screening table and the MSU was found to contain a forbidden parameter as provisioned in the GSM MAP Screening table. The action that applies is taken from the matching entry in the GSM MAP Screening table.

Example

```
RLGHNCXA21W 00-11-18 18:59:23 EST EAGLE 35.0.0
0018.1249 CARD 1103 INFO SCCP rcvd GSM MAP Op-Code w/forbidden param
OPC=001-001-001
CDPA: NI=1 RI=0 GTI=04 SSNI=0 PCI=1
TT=250 NP=04 NAI=010 ADDR=123456789012345678901
PC=003-003-003 SSN=005
CGPA: NI=1 RI=0 GTI=04 SSNI=0 PCI=1
TT=100 NP=07 NAI=012 ADDR=01234567890123456789O
PC=001-001-001 SSN=004
DATA=3a e2 38 c7 04 56 04 72 e0 e8 30 e9
2e cf 01 00 d0 02 83 01 f2 25 aa 0b
84 09 01 00 11 0a 19 49
Op-Code=### Forbidden Param=N/A Action=PASS
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DATA	Hex dump of TCAP part of MSU
GTI	Global title indicator
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OP-CODE	Operation Code
OPC	Origination point code
PARAM	Parameter
PC	Point code
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

1. The GSM MAP Screening table has successfully screened the forbidden parameter.

   The resultant action is performed from the matching entry.

2. To alter the screening being performed, redefine the GSM MAP Screening table using the `gsmmap` commands.

1250 - SCCP rcvd undefined MAP Op-Code

This message occurs when an MSU passes the origination or destination SSN screening process and the MAPOp-Code table is searched, but the Op-Code of the MSU is not found in the MAP Op-Code table. In this case, the default action from the STPOPTS table applies.

Example

```
RLGHNCXA21W 00-11-18 18:59:23 EST EAGLE 35.0.0
0018.1250 CARD 1103 INFO SCCP rcvd undefined MAP Op-Code
OPC=001-001-001
CDPA: NI=1 RI=0 GTI=04 SSNI=0 PCI=1
TT=250 NP=04 NAI=010 ADDR=123456789012345678901
PC=003-003-003 SSN=005
CGPA: NI=1 RI=0 GTI=04 SSNI=0 PCI=1
TT=100 NP=07 NAI=012 ADDR=01234567890123456789O
PC=001-001-001 SSN=004
DATA=3a e2 38 c7 04 56 04 72 e0 e8 30 e9
2e cf 01 00 d0 02 83 01 f2 25 aa 0b
84 09 01 00 11 0a 19 49
Op-Code=### Forbidden Param=N/A Action=ATIERR
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DATA	Hex dump of TCAP part of MSU
GTI	Global title indicator
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OP-CODE	Operation Code
OPC	Origination point code
param	Parameter
PC	Point code
pci	Protocol control information
ri	Routing indicator
SIO	Service information octet
SSN	Subsystem number

ssni	Subsystem number indicator
TT	Translation type

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

Recovery

1. The GSM MAP Op-Code table was searched, and the Op-Code of the MSU was not found.
2. The GSM MAP Op-Code table has successfully screened an Op-Code that was not included in the GSM MAP Opcode table.
3. However, if the Op-Code should not be screened, you can add it into the GSM MAP Op-Code table.
4. To alter the screening being performed, change the default action for GSM screening when the Op-Code is not defined with the STPOPTS commands.

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.

1255 - IS-41 LNP Qry rejected: WNP is OFF

The EAGLE has rejected an LNPQS query that is decoded as an IS-41 Query because the appropriate WNP (Wireless Number Portability) feature is not on.

Example

```
RLGHNCXA21W 03-04-18 19:02:05 EST EAGLE 31.3.0
0112.1255 CARD 1103,A1 INFO IS-41 LNP Qry rejected: WNP is OFF
SIO=83 OPC=001-101-001 DPC=001-001-001
CDPA: AI=cb SSN=016 TT=012
ADDR=919380
CGPA: AI=c3 PC=001-101-001 SSN=016
DATA=3a e2 38 c7 04 56 04 72 e0 e8 30 e9
2e cf 01 00 d0 02 83 01 f2 25 aa 0b
84 09 01 00 11 0a 19 49
LSN=e1m1s1
```

Legend

ADDR	Address
AI	Address Indicator
cdpa length	Called party address length
CGPA	Calling party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.

MSG TYPE	Message type (for example, connection request, connection confirm, connection refused)
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

1. If you want to support the WNP feature, issue the `chg-feat:wnp=on` command to process IS-41 LNP queries.
2. If you do not want to support the WNP feature, ignore this informational message.
3. For additional information or assistance about the WNP or any feature to purchase, contact the *Customer Care Center* on page 4.

1256 - MNP Circular Route Detected

This message indicates the network has incorrect number portability data for a subscriber.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1256    CARD 1103,A     INFO    MNP Circular Route Detected
           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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1256    CARD 1103,A     INFO    MNP Circular Route Detected
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                     PC=001-001-001       SSN=004
```

```
             LSN=ABCD123  GTTSET=3 203 46
             Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DATA	Hex dump of TCAP part of MSU
GTI	Global title indicator
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

Verify and update number portability data.

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.

1258 - Map Screening cannot Forward MSU

This message occurs when an MSU selected by MAP Screening for the Forward screening action cannot be forwarded.

Example

```
RLGHNCXA21W 00-11-18 18:59:23 EST EAGLE 35.0.0
0018.1258 CARD 1103 INFO Map Screening cannot Forward MSU
OPC=001-001-001
CDPA: NI=1 RI=0 GTI=04 SSNI=0 PCI=1
TT=250 NP=04 NAI=010 ADDR=123456789012345678901
PC=003-003-003 SSN=005
CGPA: NI=1 RI=0 GTI=04 SSNI=0 PCI=1
TT=100 NP=07 NAI=012 ADDR=01234567890123456789O
PC=001-001-001 SSN=004
Op-Code=61 Forbidden Param=N/A Action=Discard
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DATA	Hex dump of TCAP part of MSU
GTI	Global title indicator
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OP-CODE	Operation Code
OPC	Origination point code
PARAM	Parameter
PC	Point code
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

1. If the DPC indicated in the message should not be routed to, no further action is necessary.
2. If the DPC should be routed to from the EAGLE 5 ISS, use the `ent-map` command to enter the DPC into the mated application (MAP) table.
3. If the subsystem indicated in the message is not a mated application to the EAGLE 5 ISS, no further action is necessary.
4. If the SCCP message should have been routed, use the `ent-map` command to add the subsystem number to the mated application (MAP) table.

1259 - Map Screening cannot Duplicate MSU

This message occurs when an MSU selected by MAP Screening for the Duplicate screening action cannot be duplicated and/or routed to the duplicate node.

Example

```
RLGHNCXA21W 00-11-18 18:59:23 EST EAGLE 35.0.0
0018.1259 CARD 1103 INFO Map Screening cannot Duplicate MSU
OPC=001-001-001
CDPA: NI=1 RI=0 GTI=04 SSNI=0 PCI=1
TT=250 NP=04 NAI=010 ADDR=123456789012345678901
PC=003-003-003 SSN=005
CGPA: NI=1 RI=0 GTI=04 SSNI=0 PCI=1
TT=100 NP=07 NAI=012 ADDR=012345678901234567890
PC=001-001-001 SSN=004
Op-Code=61 Forbidden Param=N/A Action=Discard
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DATA	Hex dump of TCAP part of MSU
GTI	Global title indicator
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OP-CODE	Operation Code
OPC	Origination point code
PARAM	Parameter
PC	Point code
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

1. If the DPC indicated in the message should not be routed to, no further action is necessary.
2. If the DPC should be routed to from the EAGLE 5 ISS, use the `ent-map` command to enter the DPC into the mated application (MAP) table.

3. If the subsystem indicated in the message is not a mated application to the EAGLE 5 ISS, no further action is necessary.
4. If the SCCP message should have been routed, use the `ent-map` command to add the subsystem number to the mated application (MAP) table.

1260 - LSS: Unsupported TCAP msg type

This message indicates that the LSS (local subsystem) received an SCCP message containing an unsupported TCAP (transaction capabilities application portion) message type.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1260 CARD 1103,A1 INFO LSS: Unsupported TCAP msg type
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1261 - LSS: Invalid len in transaction portion

This message indicates that the LSS (local subsystem) received a TCAP message containing an invalid length in the transaction portion of the message.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1261 CARD 1103,A1 INFO LSS: Invalid len in transaction portion
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
```

```
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1262 - LSS: Invalid len in dialogue portion

This message indicates that the LSS (local subsystem) received a TCAP message with an invalid length in the dialogue portion of the message.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1262 CARD 1103,A1 INFO LSS: Invalid len in dialogue portion
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code

SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1263 - LSS: Invalid len in component portion

This message indicates that the LSS (local subsystem) received a TCAP message with an invalid length in the component portion of the message.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1263 CARD 1103,A INFO LSS: Invalid len in component portion
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1264 - LSS: No originating transaction ID

This message indicates that the LSS (local subsystem) received a TCAP message that does not have an originating transaction ID.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1264 CARD 1103,A1 INFO LSS: No originating transaction ID
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1265 - LSS: Invalid transaction ID len

This message indicates that the LSS (local subsystem) received a TCAP message containing an invalid transaction ID length.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1265 CARD 1103,A1 INFO LSS: Invalid transaction ID len
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
DATA	Hex dump of TCAP part of MSU

DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1266 - LSS: Destination transaction ID in Begin

This message indicates that the LSS (local subsystem) received a Begin TCAP message containing a destination transaction ID. (The Begin message should have an originating transaction ID only. A destination transaction ID is valid only in Abort, Continue, and End TCAP messages.)

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1266 CARD 1103,A1 INFO LSS: Destination transaction ID in Begin
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1267 - LSS: No External element

This message indicates that the LSS (local subsystem) received a TCAP message that does not contain an External element in the dialogue portion of the message.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1267 CARD 1103,A1 INFO LSS: No External element
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1268 - LSS: No External Object Identifier

This message indicates that the LSS (local subsystem) received a TCAP message that does not contain an Object Identifier element in the External element in the dialogue portion of the message.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1268 CARD 1103,A1 INFO LSS: No External Object Identifier
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1269 - LSS: Not Structured Dialogue

This message indicates that the LSS (local subsystem) received a TCAP message with an Object Identifier value in the External element in the dialogue portion that does not indicate a structured dialogue as specified in ITU Q.773.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1269 CARD 1103,A1 INFO LSS: Not Structured Dialogue
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code

PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1270 - LSS: No External ASN1-Type

This message indicates that the LSS (local subsystem) received a TCAP message that does not have an ASN1-Type element in the External element in the dialogue portion of the message.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1270 CARD 1103,A1 INFO LSS: No External ANS1-Type
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1271 - LSS: No Dialogue Request

This message indicates that the LSS (local subsystem) received a TCAP message that odes not have a Dialogue Request element in the ASN1-Type element in the dialogue portion of the message.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1271 CARD 1103,A1 INFO LSS: No Dialogue Request
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1272 - LSS: No Application Context Name

This message indicates that the LSS (local subsystem) received a TCAP message that does not have an Application Context Name element in the Dialogue Request element in the dialogue portion of the message.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1272 CARD 1103,A1 INFO LSS: No Application Context Name
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1273 - LSS: No ACN Object Identifier

This message indicates that the LSS (local subsystem) received a TCAP message that does not have an Object Identifier element in the Application Context Name element in the dialogue portion of the message.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1273 CARD 1103,A1 INFO LSS: No ACN Object Identifier
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code

PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1274 - LSS: No component portion

This message indicates that the LSS (local subsystem) received a TCAP message that does not contain a component portion tag.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1274 CARD 1103,A1 INFO LSS: No component portion
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1275 - LSS: No Invoke component

This message indicates that the LSS (local subsystem) received a TCAP message that does not contain an Invoke component.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1275 CARD 1103,A1 INFO LSS: No Invoke component
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1276 - LSS: No Invoke ID

This message indicates that the LSS (local subsystem) received a TCAP message that does not contain an Invoke ID within the component.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1276 CARD 1103,A1 INFO LSS: No Invoke ID
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1277 - LSS: No operation code

This message indicates that the LSS (local subsystem) received a TCAP message that does not contain an operation code tag within the component.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1277 CARD 1103,A2 INFO LSS: No operation code
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code

SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1278 - LSS: No parameter (set/sequence)

This message indicates that the LSS (local subsystem) received a TCAP message that does not contain a parameter, parameter set, or a parameter sequence within the component.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1278 CARD 1103,A1 INFO LSS: No parameter (set/sequence)
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1279 - LSS: Unsupported network type

This message indicates that the LSS (local subsystem) received an SCCP message of an unsupported network type.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1279 CARD 1103,A INFO LSS: Unsupported network type
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1280 - LSS: Unsupported SCCP msg type

This message indicates that the LSS (local subsystem) received an SCCP message of an unsupported SCCP message type.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1280    CARD 1103,A     INFO    LSS: Unsupported SCCP msg type
           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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1280    CARD 1103,A     INFO    LSS: Unsupported SCCP msg type
          SIO=03   OPC=001-001-001      DPC=002-002-002
             SCCP MSG TYPE=04
               GTT on CdPA used MOSMSGTA=9193802053
             CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                    PC=003-003-003       SSN=005
             CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                    PC=001-001-001       SSN=004
             LSN=ABCD123  GTTSET=3 203 46
             Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

Check translations on the originating switch to determine the trouble.

1281 - LSS: No SCCP CDPA SSN

This message indicates that the LSS (local subsystem) received an SCCP message for which the subsystem number (SSN) for the called party (CDPA) is missing.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1281 CARD 1103,A1 INFO LSS: No SCCP CDPA SSN
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1282 - LSS: Unsupported SCCP CDPA GTI

This message indicates that the LSS (local subsystem) received an SCCP message for which the GTI (Global Title Indicator) value for the called party (CDPA) is unsupported.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1282 CARD 1103,A1 INFO LSS: Unsupported SCCP CDPA GTI
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code

PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1283 - LSS: Unsupported SCCP CGPA RI

This message indicates that the LSS (local subsystem) received an SCCP message for which the RI (Routing Indicator) value for the calling party (CGPA) is unsupported.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1283 CARD 1103,A1 INFO LSS: Unsupported SCCP CGPA RI
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1284 - LSS: Unknown SSP PC

This message indicates that the LSS (local subsystem) received an SCCP message that contained an SSP (Service Switching Point) point code (PC) that is not in the Eagle routing table. The SSP PC is the CGPA PC (if it exists) or the OPC, otherwise. In the example below, the SSP PC is 001-001-002.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1284 CARD 1103,A2 INFO LSS: Unknown SSP PC
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

1. The LSS received a message that does not have a corresponding SSP point code entry in the Eagle routing table.
2. You must decide whether you want to accept queries from that SSP.
   a) If you choose to not respond to queries from that SSP, use the gateway screening feature to stop this information message from re-appearing by having the Eagle system reject queries from that specific SSP.

      No further action is necessary.

   b) If you want to respond to queries from that SSP, continue with the next step.
3. List the routing table entry for the SSP in question with the `rtrv-rte` command.

a) If the retrieve route command shows the SSP point code has an Eagle routing table entry, which is not expected since this message says no entry exists, contact the *Customer Care Center* on page 4 about this situation.

   Do not continue to other steps of this procedure.

b) If the retrieve route command shows no entry in the routing table, which is expected here, continue with the next step.

4. List the destination table entry for the SSP in question with the `rtrv-dstn` command.
   a) If the SSP point code is not in the Eagle destination table, add that entry with the `ent-dstn` command.

      (For detailed information about using the `ent-dstn`command, refer to "Adding a Destination Point Code" in Chapter 2, "Configuring Destination Tables" in the *Eagle* Database *Administration* -- SS7 manual.) Proceed to *Step 5* on page 518

   b) If the SSP point code is in the Eagle destination table, continue with the next step.
5. Enter the route set for the SSP point code by issuing one of more `ent-rte` commands.

   (For detailed information about using the `ent-rte` command, refer to "Adding a Route" in the chapter "SS7 Configuration" in the *Eagle* Database *Administration* - SS7 manual.)

1285 - LSS: No SCCP CGPA SSN

This message indicates that the LSS (local subsystem) received an SCCP message in which the subsystem number (SSN) for the calling party (CGPA) is missing.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1285 CARD 1103,A1 INFO LSS: No SCCP CGPA SSN
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number

TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1286 - LSS: Invalid INAP/CAMEL digits length

This message indicates that the LSS (local subsystem) received an INAP message in which the Called Party Number parameter length is invalid.

Example

```
RLGHNCXA21W 07-12-18 18:59:23 EST EAGLE 37.6.0
    0101.1286    CARD 1103,A1  INFO      LSS: Invalid INAP/CAMEL digits length
                 SIO=03   OPC=001-001-001       DPC=002-002-002
                 CDPA: AI=52  SSN=005 TT=250
                       ADDR=ABCDEF1234567890ABCDE
                 CGPA: AI=43  PC=001-001-001         SSN=002
                 LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary. The querying node should be modified to generate less than 22 digits in the parameter.

1287 - LSS: Unsupported ACN Object ID len

This message indicates that the LSS (local subsystem) received a TCAP message in which the length of the Application Context Name's Object Identifier is unsupported.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1287 CARD 1103,A1 INFO LSS: Unsupported ACN Object ID len
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1288 - LSS: Unsupported operation code

This message indicates that the LSS (local subsystem) received a TCAP message in which the operation code is unsupported.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1288 CARD 1103,A1 INFO LSS: Unsupported operation code
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address

CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1289 - LSS: No parameter sequence

This message indicates that the LSS (local subsystem) received a TCAP message that has a single parameter or a parameter set instead of the expected parameter sequence.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1289 CARD 1103,A1 INFO LSS: No parameter sequence
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1290 - LSS: No INAP ServiceKey parameter

This message indicates that the LSS (local subsystem) received an INAP message that does not contain the Service Key parameter.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1290 CARD 1103,A1 INFO LSS: No INAP ServiceKey parameter
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1291 - LSS: No INAP/CAP CalledPartyNumber param

This message indicates that the LSS (local subsystem) received an INAP message that does not contain an Called Party Number parameter.

Example

```
RLGHNCXA21W 07-12-18 18:59:23 EST EAGLE 37.6.0
   0101.1286    CARD 1103,A1  INFO     LSS: No INAP/CAP CalledPartyNumber param

                 SIO=03   OPC=001-001-001       DPC=002-002-002
```

```
                CDPA: AI=52  SSN=005 TT=250
                      ADDR=ABCDEF1234567890ABCDE
                CGPA: AI=43  PC=001-001-001         SSN=002
                LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1292 - LSS: Parameters out of sequence

This message indicates that the LSS (local subsystem) received a TCAP message in which the mandatory and conditional parameters are not in the correct sequence.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1292 CARD 1103,A1 INFO LSS: Parameters out of sequence
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code

LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1293 - LSS: Invalid num of digits in INAP CdPN

This message indicates that the LSS (local subsystem) received an INAP message containing an invalid number of digits in the Called Party Number (CdPN) parameter.

Example

```
RLGHNCXA21W 99-12-18 18:59:23 EST EAGLE 31.3.0
0101.1293 CARD 1103,A1 INFO LSS: Invalid num of digits in INAP CdPN
SIO=03 OPC=001-001-001 DPC=002-002-002
CDPA: AI=52 SSN=005 TT=250
ADDR=ABCDEF1234567890ABCDE
CGPA: AI=43 PC=001-001-001 SSN=002
LSN=A1234567
```

Legend

ADDR	Address
AI	Address Indicator
CGPA	Calling party address
CDPA	Called party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

No action at the Eagle is necessary.

1294 - Invalid digits in MAP MSISDN parameter

This message indicates that no valid digits were found in the MAP MSISDN parameter.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1294    CARD 1103,A     INFO    Invalid digits in MAP MSISDN 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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1294    CARD 1103,A     INFO    Invalid digits in MAP MSISDN parameter
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
gti	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code.

	With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

Change the message to have valid digits (digits length greater than 0) in the **MSISDN** parameter.

1295 - Translation PC is EAGLE 5 ISS's

This message indicates that the point code translation is invalid because it is one the EAGLE 5 ISS's own point codes.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1295    CARD 1103,A     INFO    Translation PC is EAGLE 5 ISS's
           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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1295    CARD 1103,A     INFO    Translation PC is EAGLE 5 ISS's
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

Legend

add	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
GTTSET	GTT Set Index
LSN	Linkset name
NAI	Nature of address indictor
NI	Network indicator value
NP	Numbering plan
PC	Point code
PCI	Point code indicator
RI	Routing indicator
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type
TRANSLATED PC	Translated point code
TRANSLATED SS	Translated subsystem

Note:

If Global Title Translation is found, the GTTSET in which the translation is found appears. If Global Title Translation is not found, the GTTSET does not display.

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

Recovery

Change the translation point code for the entry to a non-Eagle's point code.

Provision the entity data from the EPAP/ELAP. Refer to the EPAP *Administration Manual* or the ELAP *Administration Manual*, and see the topic "Manage Network Entities" for details about changing this entity data.

1296 - Translation PC type is ANSI

This message indicates that the point code translation is invalid because it is an ANSI point code.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1296    CARD 1103,A     INFO    Translation PC type is ANSI
           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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
```

```
                    TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                    PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1296    CARD 1103,A     INFO    Translation PC type is ANSI
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

Change the translation point code type to a non-ANSI type.

Provision the point code type from the EPAP. Refer to the EPAP *Administration Manual* and see the topic "Manage Network Entities" for details about changing this entity data.

1297 - Invalid prefix/suffix digit length

This message indicates that the attempted digit action of prefixing or suffixing the entity ID is invalid because the combined length of the entity ID and GT digits is greater than 21 digits.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1297    CARD 1103,A     INFO    Invalid prefix/suffix digit length
           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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1297    CARD 1103,A     INFO    Invalid prefix/suffix digit length
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan

OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

Change the attempted digit action or decrease the length of the entity ID or the GT digits to a length of 21 digits or less.

Provision the digit action or the entity ID length from the EPAP. Refer to the EPAP *Administration Manual* for details.

1298 - Updates inhibited: loading stability

The SCCP card was auto inhibited because GTT and LNP are on at the same time. This is an invalid configuration.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
0014.1298 SYSTEM INFO Updates inhibited: loading stability
CARD=1203 GPL=VSCCP
```

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

Recovery

No action necessary.

1299 - Updates allowed: loading stability

The auto-inhibited SCCP card problem has been corrected. Updates are now allowed.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
0014.1299 SYSTEM INFO Updates allowed: loading stability
CARD=1203 GPL=VSCCP
```

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

Recovery

No action necessary.

1300 - REPT EVT: Incremental Loading

This message indicates the progress in downloading the SCCP database information to the applicable card or cards.

Example

```
RLGHNCXA21W 00-04-18 18:59:58 EST EAGLE 31.3.0
0105.1300 SYSTEM INFO REPT EVT: Incremental Loading
Database levels loaded : 1 of 25
Card list: 1101, 1103
```

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

Recovery

No corrective action is required.

1301 - SECMTPMATE - rcvd mate PC on non C-link

This message indicates the Eagle received a MTP message that failed the mate SID verification. The message was discarded.

Example

```
RLGHNCXA21W 00-04-18 18:59:58 EST EAGLE 31.3.0
0105.1301 CARD 1205,A INFO SECMTPMATE - rcvd mate PC on non C-link
SIO=0a OPC=003-247-000 DPC=002-000-000
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
SR=scrb LSN=A1234567
```

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.

1302 - SECMTPSID - rcvd MSU with OPC = SID

This message indicates the Eagle received a MTP message that failed the self SID verification. The message was discarded.

Example

```
RLGHNCXA21W 00-04-18 18:59:58 EST EAGLE 31.3.0
0105.1302 CARD 1205,A INFO SECMTPSID - rcvd MSU with OPC = SID
SIO=0a OPC=003-247-000 DPC=002-000-000
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
SR=scrb LSN=A1234567
```

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.

1303 - SECMTPSNM - no rte to OPC/AFTPC

This message indicates the Eagle received a MTP network management message that failed the MTP Network Management Message OPC Verification. The message was discarded.

Example

```
RLGHNCXA21W 00-02-07 11:02:30 EST EAGLE 35.0.0
0100.1303 CARD 1105,B INFO SECMTPSNM - no rte to OPC/AFTPC
SIO=0a OPC=003-243-000 DPC=000-024-000
H0H1=41 AFTPC=099-099-003
SR=osp3 LSN=A1234567
```

Legend

AFTPC	Affected point code (for SCCP messages)
DATA	Information from the upper layers of SCCP management
DPC	Destination point code
H0H1	H0/H1 heading 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.

1304 - SECSCCPSCMG - no rte to AFTPC

This message indicates the Eagle received a MTP network management message that failed the SCMG AFTPC Verification. The message was discarded.

Example

```
RLGHNCXA21W 00-04-18 18:59:30 EST EAGLE 31.3.0
0102.1304 CARD 1205,B INFO SECSCCPSCMG - no rte to AFTPC
SIO=03 OPC=003-245-000 DPC=001-004-000
SCMG: TYPE=000 AFTPC=003-003-003
MULT=000 AFTSS=005
SR=scrb LSN=A1234567
```

Legend

AFTPC	Affected point code (for SCCP messages)
AFTSS	Affected subsystem (identifies the subsystem that failed)
DPC	Destination point code
LSN	Linkset name. The name must be unique.
MULT	SCCP management message multiplicity indicator
OPC	Origination point code
SCMG	SCCP management message
SIO	Service information octet
SR	Screening reference name
TYPE	SCCP management message type

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.

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 *Customer Care Center* on page 4 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 *Customer Care Center* on page 4.

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 *Customer Care Center* on page 4.

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 *Customer Care Center* on page 4.

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 *Customer Care Center* on page 4.

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 *Customer Care Center* on page 4.

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 *Customer Care Center* on page 4.

1330 - Mismatched UA Routing Context

This message is issued in the following scenarios:

1. If routing context is present in a M3UA Data message received by the EAGLE 5 ISS, and no routing key for the receiving M3UA association contains a matching routing context value.
2. If routing context is absent in a M3UA Data message received by the EAGLE 5 ISS, and the receiving M3UA association's application server is referenced by a routing key containing routing context.
3. If routing context is present in a M3UA ASP-Active or ASP-Inactive or DAUD message received by the EAGLE 5 ISS, and no routing key for the receiving M3UA association contains a matching routing context value, then a UIM will be generated.
4. If routing context is present in a SUA message received by the EAGLE 5 ISS, and no routing key for the receiving SUA association contains a matching routing context value.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
3409.1330 CARD 1305,A INFO Mismatched UA Routing Context
ANAME = m3ua_assoc_0003 M3UA RC=3
```

Legend

ANAME The name of the M3UA or SUA Association. This is followed by the user adapter type (M3UA or SUA) and the value of the Routing Context received in the message. If the Routing Context is absent from the message, RC will be displayed as "none."

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

Recovery

1. The use of Routing Context in the Eagle Routing Key configuration and the use of the Routing Context by the far-end Application Server should be made to match so that they are either both using Routing Context –OR- they are both not using Routing Context.
2. Contact the *Customer Care Center* on page 4

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 IMF VIP 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`

1332 - Invalid Initial M2PA FSN Received

The Eagle received an initial M2PA DATA message with an invalid FSN (Forward Sequence Number). The expected FSN in M2PA for the first DATA message received after link alignment is 0 for M2PA RFC. Older versions of M2PA (before Draft 9) used an initial FSN of 1. This UIM indicates that the two ends of the link have mismatched configurations.

- Eagle versions prior to 34.3 support M2PA Draft 6 but do not support M2PA RFC.
- If both ends of the M2PA association are on Eagle release 34.3 or later, verify that both ends have the VER parameter set to match on the M2PA association (VER=D6 or VER=M2PA must be the same on both ends).
- If one end of the M2PA association is on an Eagle release prior to 34.3 and the other is 34.3 or greater, verify that the association VER parameter in the later release is set to D6 for backward compatibility

Example

```
RLGHNCXA21W 00-04-18 19:09:14 EST EAGLE 34.3.0
5781.1332 CARD 1301,A INFO Invalid Initial M2PA FSN Received
```

Legend

FSN	Forward Sequence Number
M2PA	SS7 MTP2 - User Peer-to-Peer Adaptation Layer

Alarm Level: No alarm condition. The message is informational only. However, the link will not stay aligned and a link alarm will be present.

Recovery

1. To change the M2PA version used by the signaling link at the Eagle perform the following commands:
   a) Use the `dact-slk:loc=xxxx:link=yy` command to deactivate the signaling link.
   b) Use the `chg-assoc:open=no` command to close the M2PA association used by the signaling link.

c) Use the `chg-assoc:ver=<d6/rfc>` command to change the M2PA version on the association used by the signaling link to match the configured M2PA version of the M2PA peer.
d) Use the `chg-assoc:open=yes` command to activate the M2PA association used by the signaling link.
e) Activate the signaling using the `act-slk:loc=xxxx:link=yy` command.

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 *Customer Care Center* on page 4.

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 BICC 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 17: 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

REASON MSG DISCARDED AND PEGGED	UIM 'REASON' TEXT	UIM 'DIAGNOSTIC' TEXT
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
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

REASON MSG DISCARDED AND PEGGED	UIM 'REASON' TEXT	UIM 'DIAGNOSTIC' TEXT
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
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	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>

REASON MSG DISCARDED AND PEGGED	UIM 'REASON' TEXT	UIM 'DIAGNOSTIC' TEXT
with the connection the PDU was received on		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 *Customer Care Center* on page 4.

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 18: 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.

1337 - UA HEARTBEAT TIMEOUT

If T(beat ack) expires before a Heartbeat Ack message is received from the customer, the association is torn down. A new UIM is issued when the association is torn down and the existing format I53 is used for this UIM. The generation of this UIM is paced (every 30 seconds).

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST EAGLE 35.0.0
0003.1337 CARD 1305,A INFO UA HEARTBEAT TIMEOUT
ANAME = LONGASSOCNAME1 M3UA
```

Legend

ANAME	Long Association Name

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

Recovery

1. Reestablish the connection.

   If this UIM was displayed on the screen, then the connection was torn down.

2. If this scenario keeps repeating after reestablishing a connection, then there is a problem with the connection and that will need to be investigated.

1338 - SCCP did not route - no PC in CgPA

GTT on CgPA PC is required, but CgPA PC is not present in the MSU.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1338    CARD 1103,A     INFO    SCCP did not route - no PC in CgPA
           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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1338    CARD 1103,A     INFO    SCCP did not route - no PC in CgPA
          SIO=03   OPC=001-001-001      DPC=002-002-002
             SCCP MSG TYPE=04
               GTT on CdPA used MOSMSGTA=9193802053
             CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                    PC=003-003-003       SSN=005
             CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                    PC=001-001-001       SSN=004
             LSN=ABCD123  GTTSET=3 203 46
             Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
LSN	Linkset name
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Originating point code
PC	Point code
PCI	Point code indicator
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

Check translations on the originating switch to determine the trouble.

1339 - SCCP did not route - no dflt Clg PC Set

GTT on CgPA is required, CgPA GTI=0, so GTT on CgPA PC is attempted, but the default CgPA PC set in the SCCPOPTS table is not provisioned. This indicates that Enhanced GTT was attempted, but the GTT selectors lookup failed.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1339    CARD 1103,A     INFO    SCCP did not route - no dflt Clg PC Set
           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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1339    CARD 1103,A     INFO    SCCP did not route - no dflt Clg PC Set
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
LSN	Linkset name
MSG TYPE	Message type
NAI	Nature of address indictor
NI	Network indicator value
NP	Numbering plan

OPC	Originating point code
PC	Point code
PCI	Point code indicator
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

1. If this MSU should have been routed, continue to *Step 2* on page 548.

   GTT selectors are GTI & TT (along with NP & NAI for ITU MSUs with GTI=4).

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
   ```

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

1. 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. Please see the `chg-trm` command in the *Commands Manual* for further details .

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`

1341 - SRI rcvd - GSM2IS41not provisioned

The system received an SRI Query message for which it attempted to generate a response. However, IS41 GSM Migration(IGM) feature found the GSM to IS-41 Migration prefix (specified by the GSM2IS41 parameter) is not provisioned on this system. With this UIM, IGM is notifying the operator it cannot process the SRI messages and is allowing it to fall through to the GTT for handling.

To be able to perform the IS-41GSM Migration feature and to accept SRI Request messages, you must first specify the GSM2IS41 prefix in GSMOPTS.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1341    CARD 1103,A     INFO    SRI rcvd - GSM2IS41not 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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1341    CARD 1103,A     INFO    SRI rcvd - GSM2IS41not provisioned
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
```

```
             CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                    PC=003-003-003       SSN=005
             CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                    PC=001-001-001       SSN=004
             LSN=ABCD123  GTTSET=3 203 46
             Report Date:02-07-21  Time:16:20:19
```

Legend

ADD	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
GTTSET	GTT Set Index
LSN	Linkset name
NAI	Nature of address indictor
NI	Network indicator value
NP	Numbering plan
PC	Point code
PCI	Point code indicator
RI	Routing indicator
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type
TRANSLATED PC	Translated point code
TRANSLATED SS	Translated subsystem

Note:

If Global Title Translation is found, the GTTSET in which the translation is found appears. If Global Title Translation is not found, the GTTSET does not display.

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

Recovery

1. Enter the `rtrv-gsmopts` command to display the GSM2IS41 setting in the GSM System Options.

   Following is an example of the output:

```
rlghncxa03w 03-05-20 09:04:14 EST  EAGLE 30.1.0
GSM OPTIONS
----------------------
DEFMCC      = NONE
DEFMNC      = NONE
SRFADDR     = 123456789abcdef
MSRNDIG     = RN
```

```
    DEFMAPVR    = 1
    SRIDN       = TCAP
    GSM2IS41 = 0123456789abcde
    rlghncxa03w 03-03-20 09:04:14 EST  EAGLE 30.1.0
    SRFADDR=123456789abcdef    SRFNAI=7    SRFNP=15
    MSRNDIG=CCRNDN
    MSRNNAI=7    MSRNNP=15 DEFMAPVR=2
;
```

If the GSM2IS41 parameter is not specified, proceed to *Step 2* on page 551. However, if it is set with a valid value, proceed to the *Step 3* on page 551.

2. Use the `chg-gsmopts` command to specify the GSM to IS-41 migration prefix.

   Refer to the *Commands Manual* for details. Then re-issue the command that caused this UIM.

3. If the problem persists with the GSM2IS41 parameter specified, contact the *Customer Care Center* on page 4.

1342 - ANSI IS-41 INP Qry rejected: AINPQ is OFF

The EAGLE 5 ISS has rejected an INP query that is decoded as an ANSI-41NPREQ query because the appropriate AINPQ (ANSI-41 INP Query) feature key is not on.

Example

```
RLGHNCXA21W 03-04-18 19:02:05 EST EAGLE 35.0.0
0112.1342 CARD 1103,A1 INFO ANSI IS-41 INP Qry rejected: AINPQ is OFF
SIO=83 OPC= 001-101-001 DPC= 001-001-001
CDPA: AI=cb SSN=016 TT=012
ADDR=919380
CGPA: AI=c3 PC= 001-101-001 SSN=016
DATA=3a e2 38 c7 04 56 04 72 e0 e8 30 e9
2e cf 01 00 d0 02 83 01 f2 25 aa 0b
84 09 01 00 11 0a 19 49
LSN=e1m1s1
```

Legend

ADDR	Address
AI	Address Indicator
CDPA LENGTH	Called party address length
CGPA	Calling party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

1. If you want to support the AINPQ feature, issue the `chg-ctrl-feat:ainpq=on` command to process ANSI-41 INP queries.
2. If you do not want to support the AINPQ feature, ignore this informational message.
3. For additional information or assistance about the AINPQ or any feature to purchase, contact the *Customer Care Center* on page 4.

1343 - INAP INP Qry rejected: INPQ is OFF

The EAGLE 5 ISS has rejected an INP query that is decoded as an INAP NPREQ query because the appropriate INPQ (ITU INP Query) feature key is not on.

Example

```
RLGHNCXA21W 03-04-18 19:02:05 EST EAGLE 35.0.0
0112.1343 CARD 1103,A1 INFO INAP INP Qry rejected: INPQ is OFF
SIO=83 OPC= 001-101-001 DPC= 001-001-001
CDPA: AI=cb SSN=016 TT=012
ADDR=919380
CGPA: AI=c3 PC= 001-101-001 SSN=016
DATA=3a e2 38 c7 04 56 04 72 e0 e8 30 e9
2e cf 01 00 d0 02 83 01 f2 25 aa 0b
84 09 01 00 11 0a 19 49
LSN=e1m1s1
```

Legend

ADDR	Address
AI	Address Indicator
CDPA LENGTH	Called party address length
CGPA	Calling party address
DATA	Hex dump of TCAP part of MSU
DPC	Destination point code
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
OPC	Origination point code
PC	Point code
SIO	Service information octet
SSN	Subsystem number
TT	Translation type

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

Recovery

1. If you want to support the INPQ feature, issue the `chg-ctrl-feat:ainpq=on` command to process ITU INP queries.

2. If you do not want to support the INPQ feature, ignore this informational message.
3. For additional information or assistance about the INPQ or any feature to purchase, contact the *Customer Care Center* on page 4.

1344 - MSU discarded: In-Service Thresholding

The EAGLE 5 ISS discarded an SCCP message because the MRN or MAP Group selected by GTT does not have enough available weight to satisfy the In-Service threshold.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1344    CARD 1103,A     INFO    MSU discarded: In-Service Thresholding
             TRANSLATED PC=003-003-003       TRANSLATED SS=005
             CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                    PC=003-003-003       SSN=005
             CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                    PC=001-001-001     SSN=004
             LSN=ABCD123  GTTSET=3 (8)
             Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1344    CARD 1103,A     INFO    MSU discarded: In-Service Thresholding
             TRANSLATED PC=003-003-003       TRANSLATED SS=005
                GTT on CdPA used MOSMSGTA=9193802053
             CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                    PC=003-003-003       SSN=005
             CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                    PC=001-001-001     SSN=004
             LSN=ABCD123  GTTSET=3 (8)
             Report Date:02-07-21  Time:16:20:19
```

Legend

ADD	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
GTTSET	GTT Set Index
LSN	Linkset name
NAI	Nature of address indictor
NI	Network indicator value
NP	Numbering plan

PC	Point code
PCI	Point code indicator
RI	Routing indicator
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type
TRANSLATED PC	Translated point code
TRANSLATED SS	Translated subsystem

Note:

If Global Title Translation is found, the GTTSET in which the translation is found appears. If Global Title Translation is not found, the GTTSET does not display.

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

Recovery

1. Use `rtrv-mrn` and `rtrv-map` to determine the MRN and MAP Group information for that PC/PC+SSN combination.
2. Validate that the In-Service Threshold (THR) parameter is set correctly for each Group.

   If not, use the `chg-mrn` or `chg-map` command to change the THR parameter to the correct value.
3. If THR is correct, validate that the weight parameter is set correctly for each member of the group.

   If not, use the `chg-mrn` or `chg-map` command to alter the weights to the correct values.
4. Use `rept-stat-dstn` to determine which PC/PC+SSNs are not available.

   Perform corrective maintenance to get the unavailable PC/PC+SSNs back into service. Potential causes for unavailability are link deactivation, prohibited routes, network congestion or subsystem outages.

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.

1346 - IS-41 Missing Mandatory Parameters

EAGLE 5 ISS has rejected the ANSI IS-41 INP Query message, because the TCAP portion of the message does not contain mandatory parameters (e.g. digits).

Example

```
tklc1091301 07-01-19 03:47:19 EST EAGLE5 36.0.0-57.9.0
6962.1346 CARD 2113 INFO IS-41 Missing Mandatory Parameters
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=15 e2 13 c7 04 00 00 00 00 e8 0b e9
09 cf 01 00 d1 02 09 3e f2
LSN=ls1102n0
Report Date:07-01-19 Time:03:47:19
```

Legend

ADD	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
GTTSET	GTT Set Index
LSN	Linkset name
NAI	Nature of address indictor
NI	Network indicator value
NP	Numbering plan
PC	Point code
PCI	Point code indicator
RI	Routing indicator
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type
TRANSLATED PC	Translated point code
TRANSLATED SS	Translated subsystem

Note:

If Global Title Translation is found, the GTTSET in which the translation is found appears. If Global Title Translation is not found, the GTTSET does not display.

Alarm Level: No Alarm condition. Message is for information only.

Recovery

Ensure ANSI IS-41 INP Query message contains mandatory TCAP parameters for valid query processing.

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 PDUs are used for SSCF control). MSU length limit is 279 bytes.

Example

```
tklc1190801 06-09-16 13:36:27 GMT EAGLE5 35.1.0-56.31.0
9207.1349 CARD 2308 INFO MSU invalid size - discarded
LEN=4
SIO=00 OPC= 000-018-002 DPC= 008-050-008
```

```
LSN=test
Report Date:06-09-16 Time:13:36:26
```

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

Recovery

No action necessary.

1350 - Discrd Rcvd Lrg BICC MSU CTRL-FEAT Off

IPL receives on a M2PA connection a BICC MSU greater than 272 bytes and the BICC controlled feature is not enabled.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 37.0.0
0003.1350    CARD 1105,B   INFO     Discrd Rcvd Lrg BICC MSU CTRL-FEAT Off
             LEN=475
             SIO=0D   OPC=001-001-001    DPC=002-002-002
             LSN=ABCD123
             Report Date:yy-mm-dd  Time:hh:mm:ss
```

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 Tx Lrg BICC 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 BICC 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 Tx Lrg BICC 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
```

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

Recovery

No action necessary.

1352 - Discrd Rcvd Lrg BICC MSU Unsptd Out SLK

An IP7 GPL receives a BICC 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 BICC MSUs.

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 37.0.0
0003.1352    CARD 1305,A   INFO     Discrd Rcvd Lrg BICC MSU Unsptd Out SLK
             LEN=475    SIO=0D   OPC=001-001-001    DPC=002-002-002
             OUTBND CARD 1105,B
             Report Date:yy-mm-dd  Time:hh:mm:ss
```

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

Recovery

No action necessary.

1353 - DTA Bypassed for Rcvd Lrg BICC MSU

An IP7 GPL receives a large BICC MSU that triggers DTA processing instead of converting the MSU (the MSU is routed normally, DTA is bypassed).

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 37.0.0
0003.1353    CARD 1105,A   INFO     DTA Bypassed for Rcvd Lrg BICC MSU
             LEN=475
             SIO=0D   OPC=001-001-001    DPC=002-002-002
             LSN=ABCD123
             Report Date:yy-mm-dd  Time:hh:mm:ss
```

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

Recovery

No action necessary.

1354 - STPLAN Copy Bypassed for Lrg BICC MSU

An IP7 GPL receives a large BICC MSU that triggers STPLAN copy instead of copying the MSU (STPLAN is bypassed).

Example

```
RLGHNCXA21W 00-02-07 12:01:43 EST  EAGLE 37.0.0
0003.1354    CARD 1105,A   INFO     STPLAN Copy Bypassed for Lrg BICC MSU
             LEN=475
             SIO=0D   OPC=001-001-001    DPC=002-002-002
             LSN=ABCD123
             Report Date:yy-mm-dd  Time:hh:mm:ss
```

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

Recovery

No action necessary.

1355 - Card Integ Chk: MSU cksum err

An MSU was discarded because a card received an MSU which failed checksum validation.

Example

```
    RLGHNCXA21W 06-09-07 16:20:19 GMT  EAGLE5 35.6.0
    0008.1355    CARD 1301 INFO          Card Integ Chk:MSU cksum err
                 SIO=03   OPC=001-001-001    DPC=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
                 Source Loc: 1303        Destination loc: 1301

                 Report Date:  09-07-06  Time:16:20:19
```

Note: On a LIM card the destination SS7 port is shown after the card address (it is not printed when this UIM is issued on a SCCP card).

```
                 CARD 1301,a
```

Legend

DATA	Hex dump of USER PART data
DESTINATION LOC	Card receiving the MSU
DPC	Destination point code
OPC	Originating point code
SIO	Service information octet
SOURCE LOC	Card originating the MSU

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

Recovery

No action is 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.

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

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1256    CARD 1103,A     INFO    MNP Circular Route Detected
           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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 37.5.0
0018.1256    CARD 1103,A     INFO    MNP Circular Route Detected
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

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 then 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 SR-5129 Message Received with error other then 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.

1370 - ISUP IAM Cld Pty decode failed

An SR-5129 Message Received with error other then 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.

1371 - ISUP encode Failed

An SR-5129 Message Received with error other then 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.

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

Implemetation of auto decrementing of congestion abatement is multicast to all MTP cards (SRC and DEST).

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

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.

This UIM is generated when processing MSU for SMS MO and either

- 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.

1377 - SSH session disconnected - server busy

Indicates that an established SSH connection on the EAGLE has disconnected.

Example

```
    RLGHNCXA21W 02-08-08 20:52:04 EST  EAGLE 39.0
    5024.1377    CARD 1105     INFO      SSH session disconnected - server busy

                 RIPADDR=192.168.57.52
                 RIPORT=2336
                 LIPADDR=192.168.53.46
                 LIPORT=23
                 Report Date:02-08-08  Time:20:52:04
```

Legend

LIPADDR	Local IP Address
LIPORT	Local TCP Port Number
RIPADDR	Remote IP Address
RIPORT	Remote TCP Port Number

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

Recovery

No action necessary.

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 - LSS: Too many digits for DRA parameter

Too many digits (>31) in the DRA parameter to encode.

Example

```
   RLGHNCXA21W 07-07-21 12:01:43 EST  EAGLE 37.6.0
   0002.1382    SYSTEM        INFO      LSS: 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.

1384 - G-Flex MLR: Op without IMSI erroneous

The G-Flex MLR Function encountered an updateLocation or sendAuthenticationInfo operation that did not contain an IMSI parameter.

Example

```
   station1234 06-12-21 16:28:08 EST Rel 38.0.0
   0020.1384    CARD  1106    INFO     G-Flex MLR: Op without IMSI erroneous
```

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

Recovery

Contact far end node and investigate reason for error.

1385 - G-Flex MLR: Op without IMSI skipped

The G-Flex MLR Function encountered a sendParameters operation that did not contain an IMSI parameter.

Example

```
   station1234 06-12-21 16:28:08 EST Rel 38.0.0
   0020.1385    CARD  1106    INFO     G-Flex MLR: Op without IMSI skipped
```

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

Recovery

Contact far end node and investigate reason for error.

1386 - G-Flex MLR: Op with bad TCAP skipped

The G-Flex MLR Function encountered problems decoding the TCAP and MAP layers of a message prior to attempting to identify an IMSI parameter.

Example

```
   station1234 06-12-21 16:28:08 EST Rel 38.0.0
   0020.1386    CARD  1106    INFO     G-Flex MLR: Op with bad TCAP skipped
```

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

Recovery

Contact far end node and investigate reason for error.

1387 - G-Flex MLR: Op with bad IMSI skipped

The G-Flex MLR Function encountered an IMSI parameter that contains fewer than 5 digits or more than 15 digits

Example

```
   station1234 06-12-21 16:28:08 EST Rel 38.0.0
   0020.1386    CARD  1106    INFO     G-Flex MLR: Op with bad IMSI skipped
```

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

Recovery

Contact far end node and investigate reason for error.

1388 - Invalid prefix/suffix digit len for CdPA

This message indicates that the the length of the prefix/suffix of the CdPA is not valid.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 38.0.0
0018.1388    CARD 1103,A     INFO    Invalid prefix/suffix digit len for CdPA
          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=123456789012345678901
                    PC=003-003-003       SSN=005
             CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                    TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                    PC=001-001-001       SSN=004
             LSN=ABCD123  GTTSET=3 203 46
```

```
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 38.0.0
0018.1388    CARD 1103,A     INFO    Invalid prefix/suffix digit len for CdPA
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=012345678901234567890
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

Contact far end node and investigate reason for error.

1389 - Invalid prefix/suffix digit len for CgPA

This message indicates that the the length of the prefix/suffix of the CgPA is not valid.

Example

This output indicates an error against the original destination rather than the redirected destination.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 38.0.0
0018.1389    CARD 1103,A     INFO    Invalid prefix/suffix digit len for CgPA
           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=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

This alternate output includes the redirected destination and is used when a redirected MSU encounters an error.

```
RLGHNCXA21W 02-07-21 16:20:19 EST  EAGLE 38.0.0
0018.1389    CARD 1103,A     INFO    Invalid prefix/suffix digit len for CgPA
           SIO=03   OPC=001-001-001      DPC=002-002-002
              SCCP MSG TYPE=04
                GTT on CdPA used MOSMSGTA=9193802053
              CDPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=250  NP=04  NAI=010  ADDR=123456789012345678901
                     PC=003-003-003       SSN=005
              CGPA:  NI=1  RI=0  GTI=04  SSNI=0  PCI=1
                     TT=100  NP=07  NAI=012  ADDR=01234567890123456789O
                     PC=001-001-001       SSN=004
              LSN=ABCD123  GTTSET=3 203 46
              Report Date:02-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
DPC	Destination point code
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan
OPC	Origination point code

PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

Contact far end node and investigate reason for error.

1392 - IDPRCDPN NPP SERVICE is Disabled

The status of the IDPRCDPN service is OFF while processing an IDP message.

Example

```
RLGHNCXA21W 08-06-18 19:12:00 EST EAGLE 39.0.0
0002.1392    SYSTEM        INFO      IDPRCDPN NPP SERVICE is Disabled
             Report Date:08-06-21  Time:19:12:00
```

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

Recovery

1. Enter the following command to check the status of the IDPRCDPN service.

   `rtrv-npp-serv:srvn=idprcdpn`

   The following is an example of a possible output.

```
tekelecstp 08-06-17 10:39:46 EST  39.0.0

rtrv-npp-serv:srvn=idprcdpn

Command entered at terminal #4.

SERVICE     STATUS   FNAI   NAI    SA          PRECEDENCE

_____________________________________________________

idprcdpn    off      unkn   0      ccncchk     100
                     intl   4      cdpnnp      80
                     natl   3      lacck       60
                     nai1   none   cgpnnprqd   60
                     nai2   none
                     nai3   none
```

```
;
```

2. Use the following command to enable the IDPRCDPN service.
   `chg-npp-serv:srvn=idprcdpn:status=ON`

1393 - IDPRCGPN NPP SERVICE is Disabled

The status of the IDPRCGPN service is OFF while processing an IDP message.

Example

```
RLGHNCXA21W 08-06-18 19:12:00 EST EAGLE 39.0.0
0002.1393    SYSTEM        INFO      IDPRCGPN NPP SERVICE is Disabled
             Report Date:08-06-21  Time:19:12:00
```

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

```
RLGHNCXA21W 08-01-21 12:01:43 EST  EAGLE 38.0.0
0021.1394    CARD 1106     INFO      nnn   Flushing undelivered MSUs
             DATA=00 00 00 00 00 00 00 00 00 00
             DATA=00 00 00 00 00 00 00 00 00 00
             LSN=ABCD123
```

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.

1397 - LSS: Missing Mandatory Parameter

A required parameter was missing in ATI NP query.

Example

```
RLGHNCXA21W 07-07-21 12:01:43 EST  EAGLE 39.2.0
0002.1397    SYSTEM        INFO      LSS:  Missing Mandatory 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
                   re cseCD123  GTTSET=3 203 46
             Report Date:07-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value

NP	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

Verify that incoming ATI NP query has Subscriber Identity and Requested Info parameters.

1398 - ATINPQ: Badly formatted Subs Id

The subscriber Identity parameter in ATI NP query was found to be mistyped.

Example

```
   RLGHNCXA21W 07-07-21 12:01:43 EST  EAGLE 39.2.0
   0002.1398    SYSTEM        INFO      ATINPQ: Badly formatted Subs Id
             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
                      re cseCD123  GTTSET=3 203 46
                Report Date:07-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value
NP	Numbering plan

OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

Verify that Subscriber Identity parameter length is at least 2 bytes (1 byte length field of MSISDN, 1 byte choice for MSISDN). If greater than 2 bytes, the Subscriber identity length must be equal to 2 + length of MSISDN.

1399 - ATINPQ: Subscriber Identity not MSISDN

The Choice for Subscriber Identity in ATI NP query is not MSISDN.

Example

```
   RLGHNCXA21W 07-07-21 12:01:43 EST  EAGLE 39.2.0
   0002.1399    SYSTEM        INFO      ATINPQ: Subscriber Identity not MSISDN

              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
                       re cseCD123  GTTSET=3 203 46
                 Report Date:07-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value

NP	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

No action necessary.

1400 - LSS: Invalid MSISDN digits length

The MSISDN length in Subscriber Information was 0, or the MSISDN length was 1 (‘ /byte) and the MSISDN had only one 0xF (filler) digit.

Example

```
   RLGHNCXA21W 07-07-21 12:01:43 EST  EAGLE 39.2.0
   0002.1400    SYSTEM        INFO      LSS: Invalid MSISDN digits length
             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
                      re cseCD123  GTTSET=3 203 46
                Report Date:07-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value

NP	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

No action necessary.

1401 - LSS: Unsupported numbering plan

The Numbering Plan in MSISDN from Subscriber Identity in the incoming ATI NP query is not supported (not ISDN/Telephony (0x1)).

Example

```
   RLGHNCXA21W 07-07-21 12:01:43 EST  EAGLE 39.2.0
   0002.1401    SYSTEM        INFO      LSS: Unsupported numbering plan
             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
                      re cseCD123  GTTSET=3 203 46
                Report Date:07-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value

NP	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

No action necessary.

1402 - ATINPQ: Invalid Requested Info

The Requested Info parameter in incoming ATI NP query was invalid. Either, length of Requested Info parameter < 2, or the Requested Info parameter does not contain MNP Requested Info, or the parameter is badly formatted.

Example

```
   RLGHNCXA21W 07-07-21 12:01:43 EST  EAGLE 39.2.0
   0002.1402    SYSTEM        INFO      ATINPQ: Invalid Requested Info
             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
                      re cseCD123  GTTSET=3 203 46
                Report Date:07-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value

NP	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

No action necessary.

1403 - LSS: Dgts truncated in encd parms

One or more encoded digits parameters in ATI ACK response had to be truncated to fit maximum allowed encoded digits.

Example

```
   RLGHNCXA21W 07-07-21 12:01:43 EST  EAGLE 39.2.0
   0002.1403    SYSTEM        INFO      LSS: Dgts truncated in encd parms
             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
                      re cseCD123  GTTSET=3 203 46
                Report Date:07-07-21  Time:16:20:19
```

Legend

ADDR	Address
CDPA	Called party address
CGPA	Calling party address
GTI	Global title indicator
LSN	Linkset name. The name must be unique.
MSG TYPE	Message type
NAI	Nature of address indicator
NI	Network indicator value

NP	Numbering plan
OPC	Origination point code
PC	Point code for the SS7 end user (OPC). Use the rtrv-x25-dstn command to determine the X.25 address that corresponds to this point code. With an invalid X.25 packet, the point code will always be invalid (----------)
PCI	Protocol control information
RI	Routing indicator
SIO	Service information octet
SSN	Subsystem number
SSNI	Subsystem number indicator
TT	Translation type

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

Recovery

Verify the expected number of digits in routeingNumber and MSISDN fields. These depend on combination of requested formatting for routing Number and MSISDN fields (ATINPQOPTS:ATIACKRN and ATIACKMSISDN options), digits in incoming ATI NP query and result of RTDB lookup.

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.

1490 - Telnet terminal connection successful

Indicates that a telnet connection has been established with the EAGLE from the specified location, but no terminal has yet been selected.

Example

```
RLGHNCXA21W 00-04-18 18:59:30 EST EAGLE 39.0
0010.1490    CARD 1105     INFO    Telnet terminal connection successful.
             RIPADDR=192.168.210.48
             RIPORT=3805
             LIPADDR=192.168.63.116
             LIPORT=23
             Report Date:03-01-01  Time:12:41:11
```

Legend

LIPADDR	Local IP Address
LIPORT	Local TCP Port Number
RIPADDR	Remote IP Address
RIPORT	Remote TCP Port Number

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

Recovery

No action 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 Key FTRA-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.

1495 - Awaiting LSMS bulk download

This UIM is issued after the `chg-db:action=beginedl` command is successfully processed. It repeats at 5 minute intervals thereafter until the database download stream from the LSMS begins. As soon as the LSMS starts sending data, UIM 1496: "LSMS bulk download in progress" is issued instead.

Example

```
tekelecstp 99-03-09 12:01:43 EST EAGLE 35.0.0
5061.1495 SYSTEM INFO Awaiting LSMS Bulk Download
```

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

Recovery

No action necessary.

1496 - LSMS bulk download in progress

This UIM is issued as soon as the first bulk download record is received from the LSMS, and then at 5 minute intervals thereafter, until the LSMS signals to the system that the entire download stream has been sent. This UIM lets the operator know that the LSMS has actually started sending the DB download stream to the system, and that the transmission of the download stream is still underway.

Example

```
tekelecstp 99-03-09 12:01:43 EST EAGLE 35.0.0
5061.1496 SYSTEM INFO LSMS bulk download in progress
```

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

Recovery

No action necessary.

1497 - LSMS bulk download complete

This UIM is issued as LSMS signals to the system that the entire download stream has been transmitted. The system operator may now complete the bulk download progress by issuing one of the following:

- `chg-db:action=finishedl` command to copy the LNP DB from the BLM card to the OAM fixed disks,

  or

- `chg-db:action=canceledl` command to prevent the copy to the OAM fixed disks

Example

```
tekelecstp 99-03-09 12:01:43 EST EAGLE 35.0.0
5061.1497 SYSTEM INFO LSMS bulk download complete
```

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

Recovery

No action necessary.

1498 - LSMS bulk download cancelled at LSMS

This UIM is issued when LSMS signals to the system that the bulk download has been cancelled at the LSMS GUI. The UIM informs the system operator that the bulk download is no longer in progress. The operator can cancel the bulk download (from the system) by issuing `chg-db:action=canceledl`, which will once again allow the system to accept LNP DB update requests.

Example

```
tekelecstp 99-03-09 12:01:43 EST EAGLE 35.0.0
5061.1498 SYSTEM INFO LSMS bulk download cancelled at LSMS
```

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

Recovery

No action necessary.

Appendix A

UAM Balancing Matrix

Topics:

- *Introduction Page 590*
- *Alarms Page 590*

Introduction

The tables in this appendix 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 being cleared for this device," 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).

Alarms

This section lists the following alarm types in alphabetical order:

- *Card Alarms* on page 592
- *CDT (Customer Defined Trouble) Alarms* on page 596
- *Clock (Holdover Clock) Alarms* on page 596
- *Clock System Alarms* on page 597
- *DCM Alarms* on page 598
- *DLK Alarms* on page 598
- *DPC Alarms* on page 599
- *DPC System Alarms* on page 600
- *DSM Alarms* on page 602
- *E1 Port Alarms* on page 602
- *EIR Alarms* on page 602
- *EMAP Alarms* on page 603
- *EMAP (NDC) Alarms* on page 604
- *ENET System Alarms* on page 603
- *EROUTE Alarms* on page 604
- *Frame Alarms* on page 605
- *Fuse Alarms* on page 606
- *GLS Alarms* on page 606
- *GPL Alarms* on page 606
- *HS Clock System Alarms* on page 607
- *IMT Bus Alarms* on page 608
- *IMT System Alarms* on page 609
- *INP System Alarms* on page 609

- *IP7 Alarms* on page 610
- *IP7 System Alarms* on page 610
- *Linkset Alarms* on page 611
- *LNP System Alarms* on page 611
- *LSMS Connection Alarms* on page 612
- *LSMS System Alarms* on page 612
- *MCPM Alarms* on page 613
- *MEAS System Alarms* on page 613
- *MPS (ELAP/EPAP) Alarms* on page 614
- *MPS Alarm Support* on page 615
- *NDC System Alarms* on page 615
- *RTX System Alarms* on page 615
- *SCCP System Alarms* on page 616
- *SCCP Service Alarms* on page 617
- *SEAS OAP Alarms* on page 617
- *SEAS System Alarms* on page 618
- *SEAS X25 Alarms* on page 619
- *Security Log Alarm* on page 619
- *Security System Alarms* on page 620
- *SLK Alarms* on page 620
- *STPLAN Alarms* on page 624
- *System Alarms* on page 624
- *System GPL Alarms* on page 625
- *T1 Port Alarms* on page 625
- *Terminal Alarms* on page 626
- *V-Flex System Alarms* on page 626
- *X-LIST Alarms* on page 627

ATINP System Alarms

Table 19: ATINP System Alarms on page 591 shows the critical and minor ATINP System alarms and the clearing alarm that appears when each condition is resolved.

Table 19: ATINP System Alarms

Critical		Normal	
UAM	Text	UAM	Text

0565	ATINPQ Subsystem is not available	0568 0569	ATINPQ Subsystem is available ATINPQ Subsystem is removed
0566	ATINPQ Subsystem is disabled	0568 0569	ATINPQ Subsystem is available ATINPQ Subsystem is removed
Minor		Normal	
0567	ATINPQ Subsystem normal,card(s) abnorml	0568 0569	ATINPQ Subsystem is available ATINPQ Subsystem is removed

Card Alarms

Table 20: Card Alarms on page 592 shows the critical and major card alarms and the clearing alarm that appears when each condition is resolved.

Table 20: 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
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
		0010	MASP became standby
0013	Card is isolated from the system	0014	Card is present

		0096	Card has been reloaded
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
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		
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	0450	RTDB resynchronization complete
0443	RTDB database is corrupted	0445	RTDB database has been corrected
0451	RTDB reload is required		
0493	RTDB database is 100% full		
0514	Standby MASP is inhibited	0515	Standby MASP is allowed
0901	Card DB load timeout, check GLS card	0902	Card DB is stable
0903	IP Link A is down	0904	IP Link A is up
0905	IP Link B is down	0906	IP Link 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
Minor		Normal	
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

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
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
0427	LNP database is corrupted	0431	LNP database has been corrected
0429	LNP database is inconsistent		
0428	Backup LNP database is corrupted	0432	Backup LNP database has been corrected
0430	Backup LNP database is inconsistent		
0444	RTDB database is inconsistent	0445	RTDB database has been corrected
0448	RTDB database incoherent		
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
		0294	REPT-ALMINH: alarm output PERM inhibit
		0295	REPT-ALMINH: alarm output enabled
		0296	REPT-ALMINH: alarm output TEMP inhibit
0547	Daughterboard BIP inaccessible	0548	Daughterboard BIP accessible

CDT (Customer Defined Trouble) Alarms

Table 21: CDT (Customer Defined Trouble) Alarms on page 596 shows the critical, major, minor, and normal card alarms and the clearing alarm that appears when each condition is resolved.

Table 21: 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 22: Clock (Holdover) Alarms on page 597 shows the critical, major, and minor Holdover Clock alarms and the clearing alarm that appears when each condition is resolved.

Table 22: Clock (Holdover) Alarms

Critical		Normal	
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 23: Clock System Alarms on page 597 shows the critical, major, and minor clock alarms and the clearing alarm that appears when each condition is resolved.

Table 23: 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	
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 24: DCM Alarms on page 598 shows the major DCM alarm and the clearing alarm that appears when the condition is resolved.

Table 24: DCM Alarms

Major		Normal	
UAM	Text	UAM	Text
0084	IP Connection Unavailable	0085	IP Connection Available

DLK Alarms

Table 25: DLK Alarms on page 599 shows the minor DLK alarm and the clearing alarm that appears when the condition is resolved.

Table 25: DLK Alarms

Minor		Normal	
UAM	Text	UAM	Text
0155	STPLAN connection unavailable	0156	STPLAN connection available

DPC Alarms

Table 26: DPC Alarms on page 599 shows the critical, minor, and normal DPC alarms and the clearing alarm that appears when each condition is resolved.

Table 26: 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 27: DPC System Alarms on page 600 shows the critical and normal DPC System alarms and the clearing alarm that appears when each condition is resolved.

Table 27: 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		
		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 28: DSM Alarms on page 602 shows the major DSM alarm and the clearing alarm that appears when the condition is resolved.

Table 28: DSM Alarms

Major		Normal	
UAM	Text	UAM	Text
0084	IP Connection Unavailable	0085	IP Connection Available

E1 Port Alarms

Table 29: E1 Port Alarms on page 602 shows the major E1 alarms and the clearing alarm that appears when each condition is resolved.

Table 29: E1 Port Alarms

Major		Normal	
UAM	Text	UAM	Text
0381	REPT-E1F:FAC-E1 LOS failure	0386	RCVRY-E1F:FAC-E1 available
0382	REPT-E1F:FAC-E1 LOF failure		
0383	REPT-E1F:FAC-E1 AIS 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 30: EIR Alarms on page 603 shows the critical and minor EIR alarms and the clearing alarm that appears when each condition is resolved.

Table 30: 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
Minor		Normal	
0457	EIR Subsystem normal,card(s) abnormal	0458	EIR Subsystem is available
		0459	EIR Subsystem is removed

EMAP Alarms

Table 31: EMAP Alarms on page 603 shows the major and minor EAMP alarms and the clearing alarm that appears when each condition is resolved.

Table 31: EMAP Alarms

Major		Normal	
UAM	Text	UAM	Text
0084	IP Connection Unavailable	0085	IP Connection Available

ENET System Alarms

Table 32: ENET System Alarms on page 603 shows the ENET System alarms and the clearing alarm that appears when each condition is resolved.

Table 32: ENET System Alarms

Minor		Normal	
UAM	Text	UAM	Text

0536	IP Connection Excess Retranmists	0085	IP Connection Available
0537	Ethernet error threshold exceeded	538	Ethernet error threshold cleared
0539	Ethernet Interface Down	0540	Ethernet Interface Up

EMAP (NDC) Alarms

Table 33: EMAP (NDC) Alarms on page 604 shows the major and minor EAMP (NDC) alarms and the clearing alarm that appears when each condition is resolved.

Table 33: EMAP (NDC) Alarms

Major		Normal	
UAM	Text	UAM	Text
0084	IP Connection Unavailable	0085	IP Connection Available
Minor		Normal	
0179	NDC Q.3 Association is unavailable	0180	NDC Q.3 Association is available

EROUTE Alarms

Table 34: EROUTE Alarms on page 604 shows the critical, major, and minor EROUTE alarms and the clearing alarm that appears when each condition is resolved.

Table 34: 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
		0474	EROUTE capacity normal, card(s) abnormal
Major		Normal	

0473	EROUTE System Capacity Exceeded	0470	EROUTE is Removed
0482	Card(s) have been denied EROUTE service	0471	EROUTE System is Available
		0474	EROUTE capacity normal, card(s) abnormal
Minor		Normal	
0472	EROUTE System Threshold Exceeded	0470	EROUTE is Removed
		0471	EROUTE System is Available
		0474	EROUTE capacity normal, card(s) abnormal
0475	NTP Time Unavailable	0476	NTP Time Available

Frame Alarms

Table 35: Frame Alarms on page 605 shows the major Frame alarms and the clearing alarms that appear when the condition is resolved.

Table 35: 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 36: Fuse Alarms on page 606 shows the major fuse alarm and the clearing alarm that appears when the condition is resolved.

Table 36: Fuse Alarms

Major		Normal	
UAM	Text	UAM	Text
0082	Alarm in fuse panel	0083	Fuse panel alarm has cleared

GLS Alarms

Table 37: GLS Alarms on page 606 shows the critical and major GLS alarms and the clearing alarm that appears when each condition is resolved.

Table 37: 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
Major		Normal	
0291	GLS is at minimum service limit	0290	GLS is available
		0293	GLS have been removed from the system

GPL Alarms

Table 38: GPL Alarms on page 607 shows the minor GPL alarms and the clearing alarm that appears when each condition is resolved.

Table 38: 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

HS Clock System Alarms

Table 39: HS Clock System Alarms on page 607 shows the critical, major, and minor HS Clock System alarms and the clearing alarm that appears when each condition is resolved.

Table 39: 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		
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 40: IMT Bus Alarms on page 608 shows the major, minor, and normal IMT Bus alarms and the clearing alarm that appears when each condition is resolved.

Table 40: 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 41: IMT System Alarms on page 609 shows the critical, major, and minor IMT System alarms and the clearing alarm that appears when each condition is resolved.

Table 41: IMT System Alarms

Critical		Normal	
UAM	Text	UAM	Text
0112	Major failures detected on both IMTs	0109	All IMT system level alarms cleared
Major		Normal	
0111	Failure on both IMT A and IMT B	0109	All IMT system level alarms cleared
Minor		Normal	
0110	Failure detected on one IMT bus	0109	All IMT system level alarms cleared

INP System Alarms

Table 42: INP System Alarms on page 609 shows the critical and minor NP System alarms and the clearing alarm that appears when each condition is resolved.

Table 42: 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
Minor		Normal	
0398	INP Subsystem normal,card(s) abnormal	0394	INP Subsystem is available
		0397	INP Subsystem is removed

IP7 Alarms

Table 43: IP Connection Alarms on page 610 shows the major and minor IP Connection alarms and the clearing alarm that appears when each condition is resolved.

Table 43: IP Connection Alarms

Major		Normal	
UAM	Text	UAM	Text
0277	AS Unavailable	0278	AS Available
0084	IP Connection Unavailable	0085	IP Connection Available
		0087	IP Connection manually removed
Minor		Normal	
0279	AS Restricted	0280	AS Unrestricted
0086	IP Connection Congested	0085	IP Connection Available
		0087	IP Connection manually removed
0466	STC Network Unavailable	0467	STC Network Available

IP7 System Alarms

Table 44: IP7 System Alarms on page 611 shows the major IP7 System alarm and the clearing alarm that appears when the condition is resolved.

Table 44: IP7 System Alarms

Major		Normal	
UAM	Text	UAM	Text
0535	IP Connection Restricted	0085	IP Connection Available

Linkset Alarms

Table 45: Linkset Alarms on page 611 shows the Linkset alarm and the clearing alarms that appears when the condition is resolved.

Table 45: 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
		0399	RRCVRY-LKSTO:Alarm clr'd by deleting SLK

LNP System Alarms

Table 46: LNP System Alarms on page 611 shows the critical and majorLNP System alarms and the clearing alarm that appears when each condition is resolved.

Table 46: LNP System Alarms

Critical		Normal	
UAM	Text	UAM	Text
0424	LNP Subsystem is not available	0426	LNP Subsystem is available
		0425	LNP Subsystem normal, card(s) abnormal
0435	LNP Subsystem is disabled	0434	LNP Subsystem is removed

		0425	LNP Subsystem normal, card(s) abnormal
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
0436	LNP ACG node overload	0426	LNP Subsystem is available

LSMS Connection Alarms

Table 47: LSMS Connection Alarms on page 612 shows the critical and major LSMS Connection alarms and the clearing alarm that appears when each condition is resolved.

Table 47: LSMS Connection Alarms

Critical		Normal	
UAM	Text	UAM	Text
0041	LNP DB Maintenance required.	0042	LSMS bulk load complete.
Major		Normal	
0358	LSMS connection unavailable	0359	LSMS connection available

LSMS System Alarms

Table 48: LSMS System Alarms on page 612 shows the critical and major LSMS System alarms and the clearing alarm that appears when each condition is resolved.

Table 48: 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 49: MCPM Alarms on page 613 shows the major MCPM alarm and the clearing alarm that appears when the condition is resolved.

Table 49: MCPM Alarms

Major		Normal	
UAM	Text	UAM	Text
0084	IP Connection Unavailable	0085	IP Connection Available

MEAS System Alarms

Table 50: MEAS System Alarms on page 613 shows the critical, major, and minor MEAS System alarms and the clearing alarm that appears when each condition is resolved.

Table 50: MEAS System Alarms

Critical		Normal	
UAM	Text	UAM	Text

0518	Measurements subsystem unavailable	0519	Measurements subsystem available
Major		Normal	
0517	Degraded Mo– – multiple cards failed	0519	Measurements subsystem available
Minor		Normal	
0516	Degraded Mo– – 1 card failed	0519	Measurements subsystem available

MPS (ELAP/EPAP) Alarms

Table 51: MPS (ELAP/EPAP) Alarms on page 614 shows the critical, major, and minor MPS (ELAP/EPAP) alarms and the clearing alarm that appears when each condition is resolved.

Table 51: 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
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 52: MPS Alarm Support

	Release 27.0 and higher
UAM #	Format
0442 0446 0447	CARD
0443-0445 0448-0451	CARD
0370-0375	MPS1
0250	MPS2

NDC System Alarms

Table 53: NDC System Alarms on page 615 shows the major NDC System alarms and the clearing alarm that appears when the condition is resolved.

Table 53: NDC System Alarms

Major		Normal	
UAM	Text	UAM	Text
0181	NDC system is Unavailable	0182	NDC system is Available

RTX System Alarms

Table 54: RTX System Alarms on page 616 shows the major RTX system alarms and the clearing alarm that appears when the condition is resolved.

Table 54: 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
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 System Alarms

Table 55: SCCP System Alarms on page 616 shows the critical, major, and minor SCCP system alarms and the clearing alarm that appears when each condition is resolved.

Table 55: SCCP System Alarms

Critical		Normal	
UAM	Text	UAM	Text
0331	SCCP is not available	0328	SCCP is available
		0335	SCCP is removed
0437	System SCCP TPS Capacity Exceeded	0329	SCCP capacity normal, card(s) abnormal
0453	Exceeded Service Error Threshold Lvl 2	0454	Service Error Threshold Alarm Cleared
Major		Normal	

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	SCCP capacity normal, card(s) abnormal
		0335	SCCP is removed

SCCP Service Alarms

Table 56: SCCP Service Alarms on page 617 shows the critical, major, and minor SCCP service alarms and the clearing alarm that appears when each condition is resolved.

Table 56: 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
Minor		Normal	
0527	Service abnormal	0526	Service is available
		0530	Service is removed

SEAS OAP Alarms

Table 57: SEAS Major OAP Alarms on page 618 shows the major and minor SEAS OAP alarms and the clearing alarm that appears when each condition is resolved.

Table 57: SEAS Major OAP Alarms

Major		Normal	
UAM	Text	UAM	Text
0341	OAP unavailable	0353	OAP is available
0342	SEAS UAL unavailable		
0354	One OAP terminal unavailable		
0360	EMS Agent unavailable	0361	EMS Agent available

Table 58: 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 59: SEAS System Alarms on page 618 shows the critical and major SEAS System alarms and the clearing alarm that appears when each condition is resolved.

Table 59: 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 60: SEAS X25 Alarms on page 619 shows the major and minor SEAS X25 alarms and the clearing alarm that appears when each condition is resolved.

Table 60: 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	SEAS PVC unavailable	0347	SEAS X.25 Link is available
0346	SEAS UAL session unavailable		

Security Log Alarm

Table 61: Security Log Alarms on page 619 shows the minor and normal Security Log alarms and the clearing alarm that appears when each condition is resolved.

Table 61: 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 62: Security System Alarms on page 620 shows the major Security System alarm and the clearing alarm that appears when the condition is resolved.

Table 62: Security System Alarms

Major		Normal	
UAM	Text	UAM	Text
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

SLK Alarms

Table 63: SLK Alarms on page 620 shows the major, minor, and normal SLK alarms and the clearing alarm that appears when each condition is resolved.

Table 63: SLK Alarms

Major		Normal	
UAM	Text	UAM	Text
0201	REPT-LFK: remote NE loopback	0223	REPT-LKF: remote NE loopback cleared
		0401	Alarm cleared by deleting SLK
0202	REPT-LFK: H–P -too many interrupts	0200	RCVRY-LFK: link available
0203	REPT-LFK: lost data	0401	Alarm cleared by deleting SLK
0204	REPT-LFK: X–R -SUERM threshold exceeded		
0205	REPT-LFK: A–F - lvl-2 T1 expd (ready)		
0206	REPT-LFK: A–F -lvl-2 T1 expd(not ready)		

0207	REPT-LFK: A–F - lvl-2 T3 expired		
0208	REPT-LFK: A–F - lvl-2 T2 expired		
0209	REPT-LFK: A–F - failed proving period		
0210	REPT-LFK: O–A - received SIO		
0211	REPT-LFK: O–A - received SIN		
0212	REPT-LFK: O–A - received SIE		
0213	REPT-LFK: O–A - received SIOS	0200	RCVRY-LFK: link available
0214	REPT-LFK: A–N - rcvd 2 of 3 invalid BSN	0401	Alarm cleared by deleting SLK
0215	REPT-LFK: A–N - rcvd 2 of 3 invalid FIB		
0216	REPT-LFK: remote congestion timeout		
0217	REPT-LFK: XDA - excess acknowledge delay		
0218	REPT-LFK: C–O - rcvd changeover order		
0219	REPT-LFK: false congestion restart		
0220	REPT-LFK: MTP link restart delayed		
0221	REPT-LFK: X25 link unavailable		
0222	REPT-LFK: remote FE loopback		
0224	REPT-LFK: link test failed		
0230	REPT-LKF: local blocked - thermal		
0232	REPT-LFK: remote blocked		
0233	REPT-LINK-MANUAV: local blocked		

0234	REPT-LFK: RMI remote inhibited		
0235	REPT-LINK-MGTINH: local inhibited		
0236	REPT-LFK: not aligned		
0237	REPT-LKF: LM Timer NO-CREDIT expired		
0238	REPT-LKF: XDA-Timer NO-RESPONSE expired		
0239	REPT-LKF: M–L - local processor outage		
0240	REPT-LKF: rcvd SSCOP END-proc. outage		
0241	REPT-LKF: rcvd SSCOP END-out of service		
0242	REPT-LKF: rcvd SSCOP END-protocol error		
0243	REPT-LKF:rcvd SSCOP END-mgmnt initiated		
0244	REPT-LKF: F–C - DS1/E1 LOS failure		
0245	REPT-LKF: F–C - DS1/E1 LOF failure		
0246	REPT-LKF: F–C - DS1/E1 LCD failure		
0247	REPT-LKF: XER - ISERM threshold exceeded		
0158	X25 no logical channels available	0157	X25 logical channels available
Minor		Normal	
UAM	Text	UAM	Text
0116	Link expected IP TPS threshold exceeded	0119	Link IP TPS threshold normal

0477	Congestion: Copy Function De-activated	0478	Copy Function Activated
		0479	Link not monitored
0531	Insufficient HW Copy Function Inhibited	0478	Copy Function Activated
		0479	Link not monitored
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
		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 64: STPLAN Alarms on page 624 shows the critical and major STPLAN alarms and the clearing alarm that appears when each condition is resolved.

Table 64: STPLAN Alarms

Critical		Normal	
UAM	Text	UAM	Text
0153	STPLAN not available	0150	STPLAN is available
		0151	STPLAN capacity normal, card(s) abnormal
		0154	STPLAN is removed
Major		Normal	
0152	LIM(s) have been denied STPLAN service	0150	STPLAN is available
		0151	STPLAN capacity normal, card(s) abnormal
		0154	STPLAN is removed

System Alarms

Table 65: System Alarms on page 624 shows the critical, major, and minor System alarms and the clearing alarm that appears when each condition is resolved.

Table 65: 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
Major		Normal	
0367	Temp Keys(s) expiring soon.	0366	Temp Key(s) expiration alarm cleared
0011	Entering forced simplex mode	0018	Exiting forced simplex mode
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 66: System GPL Alarms on page 625 shows the minor GPL alarms and the clearing alarm that appears when each condition is resolved.

Table 66: 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 67: T1 Port Alarms on page 625 shows the major T1 alarms and the clearing alarm that appears when each condition is resolved.

Table 67: 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-T1 LOS failure		
0377	REPT-T1F:FAC-T1 LOF failure		
0378	REPT-T1F:FAC-T1 Remote Alarm		
0379	REPT-T1F:FAC-T1 Alarm		

Terminal Alarms

Table 68: Terminal Alarms on page 626 shows the minor Terminal alarm and the clearing alarm that appears when the condition is resolved.

Table 68: Terminal Alarms

Minor		Normal	
UAM	Text	UAM	Text
0048	Terminal failed	0046	Terminal enabled

V-Flex System Alarms

Table 69: V-Flex System Alarms on page 626 shows the major and minor X-LIST alarms and the clearing alarm that appears when each condition is resolved.

Table 69: 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
Minor		Normal	

0553	VFLX Subsystem normal, card(s) abnormal	0554	VFLEX Subsystem is available
		0555	VFLEX Subsystem is removed

X-LIST Alarms

Table 70: X-LIST Alarms on page 627 shows the major and minor X-LIST alarms and the clearing alarm that appears when each condition is resolved.

Table 70: X-LIST Alarms

Major		Normal	
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

Appendix B

Unsolicited Output Message Groups

Topics:

- *Introduction Page 630*

Introduction

This appendix provides a list of the unsolicited alarm messages (UAMs) and unsolicited information messages (UIMs) generated by the EAGLE 5 ISS and the output groups that these messages are assigned to.

These messages are broadcast to the EAGLE 5 ISS 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" in the "Configuring the OAP Port" procedure in the Database *Administration Manual* - SS7 , or the `chg-trm` command description in the *Commands Manual*.

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 the *Maintenance* manual, *Chapter 4, Measurements* for traffic measurements information. Refer to the *System Administration Manual - System Management* for information on configuring the measurements terminal for systems up to 700 links.

The messages are shown in these tables.

- *Table 71: System Maintenance Unsolicited Output Message Groups* on page 631, System Maintenance Unsolicited Output Message Groups
- *Table 72: Link Maintenance Unsolicited Output Message Group* on page 638, Link Maintenance Unsolicited Output Message Group
- *Table 73: Card Unsolicited Output Message Group* on page 647, Card Unsolicited Output Message Group
- *Table 74: Application Subsystem Unsolicited Output Message Group* on page 651, Application Subsystem Unsolicited Output Message Group
- *Table 75: GTT Unsolicited Output Message Group* on page 658, GTT Unsolicited Output Message Group
- *Table 76: GWS Unsolicited Output Message Group* on page 662, GWS Unsolicited Output Message Group
- *Table 77: Clock Unsolicited Output Message Group* on page 665, Clock Unsolicited Output Message Group
- *Table 78: Measurements Maintenance Unsolicited Output Message Group* on page 667, Measurements MaIntenance Unsolicited Output Message Group
- *Table 79: LNP Database Unsolicited Output Message Group* on page 668, LNP Database Unsolicited Output Message Group
- *Table 80: Security Administration Unsolicited Output Message Group* on page 669, Security Administration Unsolicited Output Message Group
- *Table 81: Program Update Unsolicited Output Message Group* on page 670, Program Update Unsolicited Output Message Group
- *Table 82: UIM Redirect Unsolicited Output Message Group* on page 670, UIM Redirect Unsolicited Output Message Group

- *Table 83: Database Unsolicited Output Message Group* on page 670, Database Unsolicited Output Message Group
- *Table 84: MPS Unsolicited Output Message Group* on page 671, MPS Unsolicited Output Message Group
- *Table 85: Monitor Unsolicited Output Message Group* on page 672, Monitor Unsolicited Output Message Group
- *Table 86: SLAN Maintenance Unsolicited Output Message Group* on page 673, SLAN Maintenance Unsolicited Output Message Group
- *Table 87: SEAS Maintenance Unsolicited Output Message Group* on page 673, SEAS Maintenance Unsolicited Output Message Group

Note: If the LNP feature is not on, the messages in the LNP Subscription and LNP Database Unsolicited Output Message groups are not displayed.

Each table contains the number of the UAM or UIM, the alarm level assigned to the message, and the text of the message. More information on these messages can be found in *UAM/UIM Troubleshooting* on page 53 .

Table 71: 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
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

UAM/UIM Number	Alarm Level	Message Text
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
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

UAM/UIM Number	Alarm Level	Message Text
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
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
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

UAM/UIM Number	Alarm Level	Message Text
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
0500	None	Alarm being cleared for this device
0514	Major	Standby MASP is inhibited
0515	None	Standby MASP is allowed
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

UAM/UIM Number	Alarm Level	Message Text
0524	None	REPT-ALMINH: alarm output TIMED inhibit
0525	None	Timed alm inh rdy to expire
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
1101	None	SDRAM single bit error report
1105	None	REPT EVT:IMT GPL reloading
1106	None	REPT COND:IMT GPL reloading
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 IS41 MAP Digits parm
1187	None	GPL Table Checksum Mismatch
1188	None	DB Subset Checksum Mismatch

UAM/UIM Number	Alarm Level	Message Text
1196	None	IP Connection Congestion Timeout
1197	None	IP Connection refused
1198	None	IP Connection, Cannot resolve RHOST
1200	None	INW ALT card as first to be preloaded
1201	None	INW MAIN card as last to be reset
1202	None	INW Asserted DDL inhibition
1203	None	INW Card 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	INW Card must be reset/removed/inhibited
1210	None	INW Card failed to reset
1211	None	INW Failed to assert DDL inhibition
1212	None	INW Failed to remove DDL inhibition
1213	None	INW Card failed to DDL crossload
1214	None	INW Allowed card to DDL crossload
1237	None	Dynamic database audit not current
1298	None	Updates inhibited: loading stability

UAM/UIM Number	Alarm Level	Message Text
1299	None	Updates allowed: loading stability
1300	None	REPT EVT: Incremental Loading
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	IP Route 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

UAM/UIM Number	Alarm Level	Message Text
1340	None	REPT COND: TRBL resynch required
1349	None	MSU invalid size – discarded
1369	None	ISUP IAM decode failed
1370	None	ISUP IAM Cld Pty decode failed
1371	None	ISUP encode Failed
1377	None	SSH session disconnected - server busyl
1490	None	Telnet terminal connection successful
1491	None	Terminal enabled
1492	None	Terminal disabled

Table 72: 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	Link IP TPS normal
0157	None	X25 logical channels available

UAM/UIM Number	Alarm Level	Message Text
0158	Minor	X25 no logical channels available
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
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

UAM/UIM Number	Alarm Level	Message Text
0219	Major	REPT-LKF: false congestion restart
0220	Major	REPT-LKF: MTP link restart delayed
0221	Major	REPT-LKF: X25 link unavailable
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 SSCOP END-proc. outage
0241	Major	REPT-LKF: rcvd SSCOP END-out of service
0242	Major	REPT-LKF: rcvd SSCOP END-protocol error
0243	Major	REPT-LKF: rcvd SSCOP END-mgmnt initiated
0244	Major	REPT-LKF: FAC - DS1/E1 LOS failure

UAM/UIM Number	Alarm Level	Message Text
0245	Major	REPT-LKF: FAC - DS1/E1 LOF failure
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

UAM/UIM Number	Alarm Level	Message Text
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)
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

UAM/UIM Number	Alarm Level	Message Text
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-T1 LOS failure
0377	Major	REPT-T1F:FAC-T1 LOF failure
0378	Major	REPT-T1F:FAC-T1 Remote Alarm
0379	Major	REPT-T1F:FAC-T1 Alarm
0380	None	RCVRY-T1F:FAC-T1 available
0381	Major	REPT-E1F:FAC-E1 LOS failure
0382	Major	REPT-E1F:FAC-E1 LOF failure
0383	Major	REPT-E1F:FAC-E1 AIS 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
0402	None	Alarm cleared by deleting route
0500	None	Alarm being cleared for this device
0532	None	RTX is allowed

UAM/UIM Number	Alarm Level	Message Text
0533	Minor	RTX is restricted
0534	Critical	RTX is prohibited
0535	Minor	IP Connection Restricted
1016	None	MTP Adj PC not in routing table
1017	None	MTP Message Received for Network 255
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)
1081	None	MTP: Changeback T5 timeout
1084	None	GWS MSU discarded by redirect function
1085	None	GWS MSU too large to be redirected
1086	None	LFS test terminated with OAM switch over
1087	None	MTP RSTRT rcvd unexpected user traffic
1088	None	REPT-MTP-RSTRT: MTP Restart started
1089	None	RCVRY-MTP-RSTRT: MTP Restart Completed
1090	None	ITU GWY:CPC conversion failure

UAM/UIM Number	Alarm Level	Message Text
1091	None	ITU GWY:OPC conversion failure
1092	None	ITU GWY:H0H1 conversion failure
1093	None	ITU GWY:rcvd msg type cannot convert
1094	None	ITU GWY:Invalid ISUP msg structure
1095	None	ITU GWY:GRS buffer full
1096	None	ITU GWY:RSC buffer full
1097	None	ITU GWY:CGB buffer full
1100	None	GWS rcvd H0/H1 that is not allowed
1104	None	IP Connection Failed
1133	None	GX25 outbound data exceeds packet size
1134	None	GX25 route not found
1135	None	GX25 route not available
1136	None	GX25 route already connected
1137	None	GX25 incorrect X25 address
1138	None	GX25 unsupported packet type received
1139	None	GX25 unsupported MSU type received
1140	None	GX25 DPC not defined
1141	None	GX25 unrecognized X25 calling address
1142	None	GX25 unrecognized X25 called address
1143	None	GX25 cannot make connection

UAM/UIM Number	Alarm Level	Message Text
1144	None	GX25 logical channel cleared
1145	None	GX25 unexpected restart received
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
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
1172	None	REPT-OVSZMSG: SCCP MSU too large to route
1173	None	REPT-OVSZMSG: MTP MSU 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

UAM/UIM Number	Alarm Level	Message Text
1350	None	Discrd Rcvd Lrg BICC MSU CTRL-FEAT Off
1351	None	Discrd Tx Lrg BICC MSU Unsupported SLK
1352	None	Discrd Rcvd Lrg BICC MSU Unsptd Out SLK
1353	None	DTA Bypassed for Rcvd Lrg BICC MSU
1354	None	STPLAN Copy Bypassed for Lrg BICC MSU
1357	None	Negotiation at 100Mbps/Full Duplex failed
1372	None	SLTC Failure-SLTM not sent, Invalid SIO
1394	None	Flushing undelivered MSUs

Table 73: 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

UAM/UIM Number	Alarm Level	Message Text
0025	None	Clock B for card normal
0026	None	Clocks A and B for card normal
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
0078	Major	Card temperature above nominal
0079	None	Card temperature within nominal levels
0092	Critical	MDAL not responding
0093	None	MDAL alarm cleared
0096	None	Card has been reloaded
0099	Major	Incompatible HW for provisioned slot

UAM/UIM Number	Alarm Level	Message Text
0102	Minor	Motherboard BIP invalid
0103	None	Motherboard BIP valid
0130	None	Card successfully loaded with data
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
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

UAM/UIM Number	Alarm Level	Message Text
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
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

UAM/UIM Number	Alarm Level	Message Text
0492	Minor	RTDB database is 80% full
0493	Major	RTDB database is 100% full
0500	None	Alarm being cleared for this device
0547	Minor	Daughterboard BIP inaccessiblee
0548	None	Daughterboard BIP accessible
0901	Major	Card DB load timeout, check GLS card
0902	None	Card DB is stable
0903	Major	IP Link A is down
0904	None	IP Link A is up
0905	Major	IP Link B is down
0906	None	IP Link 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
1238	None	Full database reload initiated
1239	None	LNP updates inhibited: loading stablility
1240	None	LNP updates allowed: loading stability

Table 74: Application Subsystem Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0283	Major	LNP Ported LRNs approaching Feat. Capacity

UAM/UIM Number	Alarm Level	Message Text
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 Tablle 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
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	None	LNP Subsystem normal, card(s) abnormal
0426	None	LNP Subsystem is available
0434	None	LNP Subsystem is removed
0435	Critical	LNP Subsystem is disabled
0436	Major	LNP ACG 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

UAM/UIM Number	Alarm Level	Message Text
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
0500	None	Alarm being cleared for this device
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
0551	Critical	V-Flex Subsystem is not available
0552	Critical	VFLEX Subsystem is disabled
0553	Minor	VFLX Subsystem normal, card(s) abnormal
0554	None	VFLEX Subsystem is available
0555	None	VFLEX Subsystem is removed
0565	Critical	ATINPQ Subsystem is not availableATINPQ Subsystem is not available
0566	Critical	ATINPQ Subsystem is disabled
0567	Minor	ATINPQ Subsystm normal, card(s) abnorml
0568	None	ATINPQ Subsystem is available

UAM/UIM Number	Alarm Level	Message Text
0569	None	ATINPQ Subsystem is removed
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
1118	None	Audit of LNP backup database completed
1119	None	LNP database audit - internal error
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	LNP Database IMPORT started
1164	None	Inh LNP SS request already outstanding
1165	None	Failure Inhibiting LNP SS
1166	None	ACG Node Overload Level Change
1169	None	SCCP rcvd inv TCAP portion
1174	None	Inh Local SS request already outstanding
1175	None	Failure Inhibiting Local SS
1241	None	REPT EVT:LNP Incremental Loading
1242	None	Conv to intl num - Dflt CC not found
1243	None	Conv to intl num - Dflt NC not found

UAM/UIM Number	Alarm Level	Message Text
1244	None	Conv to intl num - Dflt MCC not found
1245	None	Conv to intl num - Dflt MNC not found
1246	None	Invalid length of conditioned digits
1247	None	Conversion of MGT to IMSI not possible
1255	None	IS-41 LNP Qry rejected: WNP is OFF
1256	None	MNP 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

UAM/UIM Number	Alarm Level	Message Text
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
1281	None	LSS: No SCCP CDPA SSN
1282	None	LSS: Unsupported SCCP CDPA GTI
1283	None	LSS: Unsupported SCCP CGPA RI
1284	None	LSS: Unknown SSP PC
1285	None	LSS: No SCCP CGPA SSN
1286	None	LSS: Invalid INAP CalledPartyNumber len
1287	None	LSS: Unsupported ACN Object ID len
1288	None	LSS: Unsupported operaton 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

UAM/UIM Number	Alarm Level	Message Text
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
1306	None	GSMOPTS: EIR Global Response in ON
1307	None	GSMOPTS: EIR Global Response in OFF
1342	None	ANSI IS-41 INP Qry rejected: AINPQ is OFF
1343	None	INAP INP 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
1381	None	VFlex: CD entry not found

UAM/UIM Number	Alarm Level	Message Text
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

Table 75: GTT Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0328	None	SCCP is available
0329	None	SCCP capacity normal, card(s) abnormal
0330	Major	System SCCP TPS Threshold exceeded

UAM/UIM Number	Alarm Level	Message Text
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 being cleared for this device
1019	None	SCCP rcvd invalid UDTS/XUDTS msg
1023	None	SCCP rcvd unknown msg type
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

UAM/UIM Number	Alarm Level	Message Text
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 82: UIM Redirect Unsolicited Output Message Group* on page 670). Otherwise, this message is output in the System Maintenance output group.
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
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 ANSI CDPA GT
1051	None	SCCP-CNV: Unable to convert ANSI CGPA GT
1052	None	SCCP-CNV: Unable to convert ITU CDPA GT
1053	None	SCCP-CNV: Unable to convert ITU CGPA GT
1054	None	SCCP rcvd inv LSS - bad SSN
1055	None	SCCP rcvd inv SCMG - bad AFTPC
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
1107	None	SCCP XUDT (S) msg: Hop Counter violation

UAM/UIM Number	Alarm Level	Message Text
1108	None	SCCP XUDT (S) msg: inv opt portion len
1109	None	XUDT(S) msg: inv segmentation parm
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	SCCP translation found: XLAT=UDTS
1193	None	SCCP translation found: XLAT=DISC
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
1223	None	SCCP rcvd inv Cld Party - bad Xlation
1224	None	SCCP rcvd inv Cld Party - bad SSN

UAM/UIM Number	Alarm Level	Message Text
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
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 NPP SERVICE is Disabled
1393	None	IDPRCGPN NPP SERVICE is Disabled

Table 76: GWS Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0290	None	GLS is available

UAM/UIM Number	Alarm Level	Message Text
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 being cleared for this device
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
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

UAM/UIM Number	Alarm Level	Message Text
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
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

UAM/UIM Number	Alarm Level	Message Text
1301	None	SECMTPMATE - rcvd mate PC on non C-link
1302	None	SECMTPSID - rcvd MSU with OPC = SID
1303	None	SECMTPSNM - no rte to OPC/AFTPC
1304	None	SECSCCPSCMG - no rte to AFTPC
1407	None	Unexpected SI in TIF Stop Action

Table 77: 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

UAM/UIM Number	Alarm Level	Message Text
0171	Major	1114-P, 1114-S clocks failed
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

UAM/UIM Number	Alarm Level	Message Text
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 being cleared for this device
1185	None	GTI input clock anomalies detected

Table 78: Measurements Maintenance Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0179	Minor	NDC Q.3 association is Unavailable
0180	None	NDC Q.3 association is Available
0181	Critical	NDC system is Unavailable
0182	None	NDC system is Available
0500	None	Alarm being cleared for this device
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

UAM/UIM Number	Alarm Level	Message Text
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	LNP DTH 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

Table 79: LNP Database Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0427	Minor	LNP database is corrupted
0428	Minor	Backup LNP database is corrupted
0429	Minor	LNP database is inconsistent
0430	Minor	Backup LNP database is inconsistent

UAM/UIM Number	Alarm Level	Message Text
0431	None	LNP database has been corrected
0432	None	Backup LNP database has been corrected
0500	None	Alarm being cleared for this device
1074	None	SCCP rcvd inv SCMG - invalid SOR
1167	None	LNP database audit is disabled
1168	None	Audit of LNP database completed
1495	None	Awaiting LSMS Bulk Download
1496	None	LSMS Bulk Download in progress
1497	None	LSMS Bulk Download complete
1498	None	LSMS Bulk Download cancelled at LSMS

Table 80: 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 being cleared for this device
1493	None	SSH Host Keys Regenerated

UAM/UIM Number	Alarm Level	Message Text
1494	None	SSH Host Keys Loaded

Table 81: Program Update Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
1083	None	REPT COND: system alive

Table 82: UIM Redirect Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
1043	None	SCCP did not route - bad translation
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 *Table 75: GTT Unsolicited Output Message Group* on page 658).		

Table 83: Database Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
1114	None	Database BACKUP started
1115	None	Database RESTORE started
1116	None	Database action ended - OK
1117	None	Database action ended - FAIL
1257	None	DB restore has cleared and Disabled PDS

Table 84: MPS Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0041	Critical	LNP DB 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)
0374	Minor	Minor Platform Failure(s)
0375	Minor	Minor Application Failure(s)
0500	None	Alarm being cleared for this device

Table 85: 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 being cleared for this device

UAM/UIM Number	Alarm Level	Message Text
0531	Minor	Insufficient HW Copy Function Inhibited
0571	Minor	Sentinel socket is inactive
0572	None	Sentinel socket is active

Table 86: SLAN Maintenance Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0150	None	STPLAN is available
0151	None	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
0156	None	STPLAN connection available
0500	None	Alarm being cleared for this device
1132	None	STPLAN DLK ping test completed

Table 87: SEAS Maintenance Unsolicited Output Message Group

UAM/UIM Number	Alarm Level	Message Text
0341	Major	OAP unavailable
0342	Major	SEAS UAL unavailable
0343	Major	SEAS X.25 Link unavailable

UAM/UIM Number	Alarm Level	Message Text
0344	Minor	SEAS PVC unavailable
0345	Major	All SEAS UAL sessions unavailable
0346	Minor	SEAS UAL 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
0363	Minor	OAP filesystem full
0364	Minor	Config. data checksum mismatch
0365	None	Config. data checksum alarm cleared
0500	None	Alarm being cleared for this device
1099	None	Text string that was received from the OAP

Appendix C

Auto-Inhibit Hardware Verification Codes

Topics:

- *Introduction Page 676*

Introduction

This appendix provides a list of the auto-inhibit hardware verification codes used in the card device format. *Table 88: Hardware Verification Codes* on page 676 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 88: Hardware Verification Codes

Verification Code	Card or Application	Description	Associated UAM Code
002	VSCCP	VSCCP card equipped w/non-DSM MPS feat on (see Note)	0099
003	VSCCP	VSCCP card equipped w/non-DSM LNP & VGTT feat on (see Note 1)	0099
004	VSCCP	VSCCP card equipped w/non-DSM XGTT1MIL feat on (see Note 1)	0099
005	VSCCP	VSCCP card equipped w/non-DSM when EGMS enabled	0099
025	SCCP	SCCP card equipped w/ASM when EGTT on	0441
050	VSCCP	VSCCP card equipped w/no daughterboards	0099
051	VSCCP	VSCCP card equipped w/ < 4GB when ëëŠ LNP48MIL on	0422
052	VSCCP	VSCCP card equipped w/ < 3GB when Š LNP36MIL on	0422
053	VSCCP	VSCCP card equipped w/ < 2GB when 300+ NPA & 150+LRN feature ON	0422
054	SCCP EBDA	SCCP or EBDA card w/ < 2GB when LNP24MIL on	0422
055	SCCP EBDA	SCCP or EBDA card DB memory insufficient for LNP 4 MIL (Requires a minimum of 512 MB)	0422

Verification Code	Card or Application	Description	Associated UAM Code
056	SCCP EBDA	SCCP or EBDA card DB memory insufficient for LNP 6 MIL (Requires a minimum of 768 MB)	0422
057	SCCP EBDA	SCCP or EBDA card DB memory insufficient for LNP 8-12 MIL (Requires a minimum of 1024 MB)	0422
058	SCCP	SCCP card equipped w/ < 256K or > MAX of extended memory	0422
059	VSCCP	MPS database has been detected to exceed capacity of DSM extended memory (only for GPORT, GFLEX, INP, and EIR features). UAMs 283 and 285 used for LNP, ELAP config.	0422
060	VSCCP	VSCCP card equipped w/ < 4GB when the ANSI-41 INP Query feature key is ON	0422
100	SS7IPGW IPGWI	DCM w/ IP connection on B port only when debug enabled	0276
101	SS7IPGW, IPGWI, IPLIM, IPLIMI	DCM only supports SLK link A and B -OR- EDCM only supports SLK link A-A3 and B-B3 -OR- E5-ENET only supports SLK link A-A11 and B-B11	0276
102	SS7IPGW IPGWI	Non-DCM detected in slot (see Note 1)	0099
103	SS7IPGW, IPGWI, IPLIM, IPLIMI	DCM does not support >2 associations (IPLIMx) -OR- DCM does not support >4 associations (IPGWx) -OR- EDCM does not support >8 associations (IPLIMx) -OR- EDCM does not support >50 associations (IPGWx) -OR-	0276

Verification Code	Card or Application	Description	Associated UAM Code
		E5-ENET does not support >24 associations (IPLIMx) -OR- E5-ENET does not support >50 associations (IPGWx)	
104	SS7IPGW, IPGWI, IPLIM, IPLIMI	DCM does not support >2 sockets (IPLIMx) -or- DCM does not support >50 sockets (IPGWx) -or- EDCM does not support >8 sockets (IPLIMx) -or- EDCM does not support >50 sockets (IPGWx) -or- E5-ENET does not support >0 sockets (IPLIMx) -or- E5-ENET does not support >0 sockets (IPGWx)	0276
105	SS7IPGW, IPGWI, IPLIM, IPLIMI	DCM does not support >2 (sockets + associations) (IPLIMx) -OR- DCM does not support >50 (sockets + assoc*) (IPGWx) -OR- EDCM does not support >8 (sockets + associations) (IPLIMx) -OR- EDCM does not support >50 (sockets + associations) (IPGWx) Note: *assoc = 8 X associations	0276
106	SS7IPGW, IPGWI, IPLIM, IPLIMI	DCM does not support >64Kb SCTP buffers (IPLIMx) -or- DCM does not support >64Kb SCTP buffers (IPGWx) -or- EDCM does not support >1600Kb SCTP buffers (IPLIMx)	0276

Verification Code	Card or Application	Description	Associated UAM Code
		-or- EDCM does not support >800Kb SCTP buffers (IPGWx) -or- E5-ENET does not support >3200Kb SCTP buffers (IPLIMx) -or- E5-ENET does not support >3200Kb SCTP buffers (IPGWx)	
110	SS7IPGW IPGWI	(SRKQ + DRKQ > 1000) not supported on DCM	0276
119	LIME1	2 port E1 card provisioned w/ ports > 2 (slk prov on port A1-B3)	0297
120	LIMDS0	2 port LIM card provisioned w/ ports > 2 (slk prov on port A1-B3)	0297
121	LIME1	2 port LIM card not support MIM w/E1 port AMI encoding provisioned.	0297
122	MIM	Card is not a MIM - provisioned as T1 or T1 chan associated with T1	0099
123	MPL	MPL can't run w/ port A or B provisioned for speeds [1] 56K	0297
124	MIM HC MIM	Card is not a MIM or HC MIM and is provisioned as a T1 card	0099
125	MIM MPL	MIM/MPL card with SLK provisioned on link greater than B3.	0297
126	LIME1	2 Port E1 card with an SLK provisioned on E1 port 2-7	0297
127	MIM	MIM card with an SLK provisioned on E1/T1 port 2-7	0297
128	HC MIM	Fan feature bit must be ON for HC MIM	0043

Verification Code	Card or Application	Description	Associated UAM Code
129	HC-MIM / E5-E1T1	Card does not support CAS framing	297
130	LIME1 MIM	Card is not a LIME1 or MIM and is provisioned as and E1 channel card.	0099
131	HC-MIM / E5-E1T1	Card has channel bridging mode active but is not running supported high capacity gpl	0297
132	MPL	Card is not a LIME1 or MIM and is provisioned as and E1 card.	0099
136	LIMATM / LIME1AM	Single Port ATM card with SLK provisioned on link B	0297
145	E5-IPSM	Daughterboard type is not a GIGEPCI	0099
165	E5-SM4G	Hardware configuration does not support configured feature set	0099
170	EROUTE	Non DCM/Non-E5-ENET detected in slot provisioned for EROUTE with card type STC	0099
171	STPLAN	Non-DCM/Non-E5-ENET detected in slot provisioned for STPLAN with card type DCM	0099

Glossary

A

ACG	Automatic Call Gapping An element of the EAGLE 5 ISS LNP that controls the rate that location routing number (LRN) queries for a particular telephone number, or a portion of a telephone number, are received by the EAGLE 5 ISS LNP when a particular threshold is reached.
ACK	Data Acknowledgement
ACM	Application Communications Module A card in the EAGLE 5 ISS that provides a communications interface to a remote host across an Ethernet LAN.
ACT	Activate
AFTPC	Affected Point Code The point code in subsystem-prohibited (SSP), subsystem-status-test (SST), and subsystem-allowed (SSA) SCCP management messages used by gateway screening to determine if the messages containing these point codes are allowed in to the network. This point code is in the SCMG Data (SCCP Management) portion of the signaling information field in the MSU.
AI	Address Indicator Application Initializer

A

AIN	Advanced Intelligent Network A dynamic database used in Signaling System 7. It supports advanced features by dynamically processing the call based upon trigger points throughout the call handling process and feature components defined for the originating or terminating number.
AINPQ	ANSI-41 INP Query
AIS	Alarm Indication Signal
Allowed TT	The gateway screening entity that identifies the SCCP messages that have a specified translation type value in the called party address. SCCP messages containing specified translation type in the called party address go on to the next step in the gateway screening process, or are allowed into the network if the gateway screening process stops with this entity.
ALM	Alarm Card
ALT	Application Logging Task
AMI	Alternate Mark Inversion
AND	AIN Number of Digits (in GTT address for AIN query)
ANSI	American National Standards Institute An organization that administers and coordinates the U.S.

A

	voluntary standardization and conformity assessment system. ANSI develops and publishes standards. ANSI is a non-commercial, non-government organization which is funded by more than 1000 corporations, professional bodies, and enterprises.
AS	Application Server A logical entity serving a specific Routing Key. An example of an Application Server is a virtual switch element handling all call processing for a unique range of PSTN trunks, identified by an SS7 DPC/OPC/CIC_range. Another example is a virtual database element, handling all HLR transactions for a particular SS7 DPC/OPC/SCCP_SSN combination. The AS contains a set of one or more unique Application Server Processes, of which one or more normally is actively processing traffic.
ASM	Application Services Module A card in the EAGLE 5 ISS that provides additional memory to store global translation tables and screening data used for applications such as Global Title Translation (GTT) and Gateway Screening (GWS). This card is obsolete as of Release 31.6. The TSM card is used.
ASP	Application Server Process A process instance of an Application Server. An Application Server Process serves as an active or standby process of an

A

	Application Server (e.g., part of a distributed virtual switch or database). Examples of ASPs are processes (or process instances of) MGCs, IP SCPs or IP HLRs. An ASP contains an SCTP end-point, and may be configured to process signaling traffic within more than one Application Server.
Association	An association refers to an SCTP association. The association provides the transport for protocol data units and adaptation layer peer messages.
ATH	Application Trouble Handler
ATM	Asynchronous Transfer Mode A packet-oriented transfer mode that uses an asynchronous time division multiplexing technique to multiplex information flow in fixed blocks, called cells. A high-bandwidth, low-delay switching, and multiplexing technology to support applications that include high-speed data, local area network interconnection, multimedia application and imaging, and residential applications such as video telephony and other information-based services.
ATMANSI	The application used for high-speed ANSI ATM signaling links.
ATMITU	The application used for high-speed E1 ATM signaling links.

B

B

BCD	Binary Coded Decimal
BER	Basic Encoding Rules Bit Error Rate
BIP	Board Identification PROM The serial number used to identify a board in the EAGLE 5 ISS. The serial number is contained in the board ID PROM on each board in the EAGLE 5 ISS.
BITS	Building Integrated Timing System The Building Integrated Timing System (BITS) clocks come directly from the central office BITS clock source or indirectly from an optional holdover clock installed in the system.
BLM	A card that is provisioned with the EBDABLM GPL to support the bulk download feature. During LNP bulk download operations, the LNP database is downloaded to the card's RAM.
BPDCM	The communication software used in place of the IMT GPL on the Database Communications Module (DCM), Database Services Module (DSM), and General Purpose Services Module (GPSM-II).
BPHCAP	The communication software used in place of the IMT GPL on the LIMATM and E1 ATM.
BPHCAPT	The communication software used in place of the IMT GPL on the

B

	newer versions of the LIMATM and E1 ATM.
BPHMUX	The communication software used on the High Speed Multiplexer (HMUX) card.
BPMPL	The communication software used in place of the IMT GPL on the Multi-Port LIM (MPL).
BPMPLT	The communication software used in place of the IMT GPL on the Multi-Port LIM-T (MPLT) and the E1/T1 MIM.
BSN	Backward Sequence Number

C

CAS	Channel Associated Signaling An E1 framing option. On any given E1 card, Common Channel Signaling (CCS) and CAS are mutually exclusive and cannot be used together. However, CRC4 may be added to either CCS or CAS.
CC	Country Code
CCR	Continuity Check Request Credit Control Response A Diameter message to be sent to a prepaid rating engine to request credit authorization for an SMS.
CCS7ITU	The generic program load and application for the ITU SS7 signaling links that is used with

C

	card types `limds0, limch, limocu, limv35, lime1, and limt1`.
CGB	Circuit Group Blocking
CgPA	Calling Party Address The point code and subsystem number that originated the MSU. This point code and subsystem number are contained in the calling party address portion of the signaling information field of the MSU. Gateway screening uses this information to determine if MSUs that contain this point code and subsystem number area allowed in the network where the EAGLE 5 ISS is located.
Changeback	A network management event that takes the traffic that was rerouted because of a changeover when a signaling link has failed and places that traffic back on that signaling link when that signaling link comes back into service.
Checksum	Provides protection against data corruption in the network. The sender of a packet computes a checksum according to an algorithm. The receiver then re-computes the checksum, using the same algorithm. The packet is accepted if the checksum is valid; otherwise, the packet is discarded.
CLASS	Custom Local Area Signaling Service Custom Local Area Subscriber Services

C

CLDR	SUA Connectionless Data Response A message used for carrying SS7 UDTS/XUDTS messages.
CLDT	SUA Connectionless Data Transfer A message used for carrying SS7 UDT/XUDT messages.
CLLI	Common Language Location Identifier The CLLI uniquely identifies the STP in terms of its physical location. It is usually comprised of a combination of identifiers for the STP's city (or locality), state (or province), building, and traffic unit identity. The format of the CLLI is: The first four characters identify the city, town, or locality. The first character of the CLLI must be an alphabetical character. The fifth and sixth characters identify state or province. The seventh and eighth characters identify the building. The last three characters identify the traffic unit.
Cluster	A group of signaling points whose point codes have identical values for the network and cluster fields of the point codes. A cluster entry in the routing table is shown as an asterisk (*) in the member field of the point code, for example, 111-011-*. Cluster entries can be provisioned only as ANSI destination point codes.
COO	Changeover Order

C

CPC	Capability Point Code A capability point code used by the SS7 protocol to identify a group of functionally related STPs in the signaling network.
CPU	Central Processing Unit
CRC	Cyclic Redundancy Check A number derived from, and stored or transmitted with, a block of data in order to detect corruption. By recalculating the CRC and comparing it to the value originally transmitted, the receiver can detect some types of transmission errors.
Critical Alarm	An indication of a problem that affects service, traffic, billing, and maintenance capabilities and requires immediate maintenance attention, regardless of time of day.

D

Database	All data that can be administered by the user, including cards, destination point codes, gateway screening tables, global title translation tables, links, LNP services, LNP service providers, location routing numbers, routes, shelves, subsystem applications, and 10 digit telephone numbers.
DB	Database Daughter Board Documentation Bulletin

D

DCM	Database Communication Module The DCM provides IP connectivity for applications. Connection to a host is achieved through an ethernet LAN using the TCP/IP protocol.
DDL	Dynamic Data Loader
DESTFLD	The point code in the affected destination field (the concerned signaling point code) of incoming MTP network management messages from another network that are allowed into the EAGLE 5 ISS.
Destination	The node to which the signaling link traffic is routed. This destination is identified by a point code, either a full point code or a cluster point code.
DLK	Data Link TCP/IP Data Link
DPC	Destination Point Code DPC refers to the scheme in SS7 signaling to identify the receiving signaling point. In the SS7 network, the point codes are numeric addresses which uniquely identify each signaling point. This point code can be adjacent to the EAGLE 5 ISS, but does not have to be.
DPCA	Destination Point Code ANSI
DPCN	Destination Point Code National

D

DS0	Digital Signal Level-0 (64 Kbits/sec or 56 Kbits/sec) A basic digital signaling rate of 64 Kbits/sec, corresponding to the capacity of one voice-frequency-equivalent channel.
DS1	Digital Signal Level-1 (1.544Mbits/sec) A widely used standard in telecommunications in North America and Japan to transmit voice and data between devices. The data transmitted over a physical T1 line.
DSM	Database Service Module. The DSM provides large capacity SCCP/database functionality. The DSM is an application card that supports network specific functions such as EAGLE Provisioning Application Processor (EPAP), Global System for Mobile Communications (GSM), EAGLE Local Number Portability (ELAP), and interface to Local Service Management System (LSMS).
DTA	Database Transport Access A feature in the EAGLE 5 ISS that encapsulates specific MSUs into the data portion of SCCP within a new SS7 MSU and sends the new MSU to the destination using global title translation. The EAGLE 5 ISS uses gateway screening to determine which MSUs are used by the DTA feature.
DTE	Data Terminal Equipment

D

	The equipment associated with the entering and retrieving data from a computer system or a data communications system. A video display terminal is an example of data terminal equipment.

E

E1	The European equivalent of T1 that transmits digital data over a telephone network at 2.048 Mbps.
E5-E1T1	EPM-based E1/T1 Multi-Channel Interface Module An EPM-based card that provides E1 and T1 connectivity. The E5 indicates the card is for existing EAGLE 5 control and extension shelves. E1T1 is an abbreviation for the ITU E1 and ANSI T1 interfaces. Thus the nomenclature defines the shelves where the card can be used and the physical interface that it provides.
E5-ENET	EPM-based Ethernet card A high capacity single-slot IP signaling card (EPM card plus Gig Ethernet PMC cards).
E5-IPSM	Ethernet Card w/ 2GB of main memory
EA	Expedited Data Acknowledgment
EBDA	Enhanced Bulk Download and Audit
EBDABLM	The application used by the TSM or DSM to store the LNP database downloaded from the LSMS for the

E

	Enhanced Bulk Download function. This GPL does not support 24-bit ITU-N point codes.
EBDADCM	The application used by the DCM to transmit the LSMS LNP database at high speed over an Ethernet connection for the Enhanced Bulk Download function. This GPL does not support 24-bit ITU-N point codes.
EDCM	Enhanced Database Communication Module
EGMS	Enhanced GSM MAP Screening
EGTT	Enhanced Global Title Translation A feature that is designed for the signaling connection control part (SCCP) of the SS7 protocol. The EAGLE 5 ISS uses this feature to determine to which service database to send the query message when a Message Signaling Unit (MSU) enters the system.
EIR	Equipment Identity Register A network entity used in GSM networks, as defined in the 3GPP Specifications for mobile networks. The entity stores lists of International Mobile Equipment Identity (IMEI) numbers, which correspond to physical handsets (not subscribers). Use of the EIR can prevent the use of stolen handsets because the network operator can enter the IMEI of these handsets into a 'blacklist' and prevent them from being registered on the network, thus making them useless.

E

ELAP	EAGLE Local Number Portability Application Processor
EMDC	Element Measurement and Data Collection Application This application is used by the DCM card for CMIP/OSI measurement collection interface as defined by Telcordia GR-376.
EMP	EAGLE Monitoring Protocol
EMS	Element Management System The EMS feature consolidates real-time element management at a single point in the signaling network to reduce ongoing operational expenses and network downtime and provide a higher quality of customer service.
EMSALM	Element Management System Alarm Monitor
EOAM	Enhanced Operation, Administration, and Maintenance The application used by the GPSM-II card for enhanced OAM functions.
EPAP	EAGLE Provisioning Application Processor
EROUTE	The application used on the Sentinel Transport Card (STC) for the EAGLE 5 ISS with Integrated Sentinel feature. The Sentinel product does not support 24-bit ITU-N point codes.

E

ERR	Error
ESP	Expanded Services Platform The Sentinel system with the hardware and software platform that provides the interface to the Integrated EAGLE and Sentinel monitoring system. The ESP hardware and software platform runs on the model 120 server.

F

FAK	Feature Access Key The feature access key allows the user to enable a controlled feature in the system by entering either a permanent feature access key or a temporary feature access key. The feature access key is supplied by Tekelec.
FAN	Command for cooling fan feature. The EAGLE 5 ISS will report on the alarm conditions of the fan assemblies. Once you have turned on the feature, you cannot turn it off. The feature applies to any and all fans installed within the system. When replacing a fan assembly, the feature should already be turned on.
FAP	Fuse and Alarm Panel
FC	Fully Compliant
FE	Feature Engineer
FIB	Forward Indicator Bit

F

FSN	Forward Sequence Number
FTA	File Transfer Area A special area that exists on each OAM hard disk, used as a staging area to copy files to and from the EAGLE 5 ISS using the Kermit file-transfer protocol.
FTP	File Transfer Protocol A client-server protocol that allows a user on one computer to transfer files to and from another computer over a TCP/IP network.
FTRA	FTP-based Table Retrieve Application An application that runs in a PC outside of the EAGLE 5 ISS and that communicates with the EAGLE 5 ISS through the IPUI feature and the FTP Retrieve and Replace feature.

G

GLS	Generic Loading Services An application that is used by the TSM cards for downloading gateway screening to LIM cards.
GMT	Greenwich Mean Time
GPL	Generic Program Load Software that allows the various features in the system to work. GPLs and applications are not the same software.
G-Port	GSM Mobile Number Portability

G

	A feature that provides mobile subscribers the ability to change the GSM subscription network within a portability cluster, while retaining their original MSISDN(s).
GPSM-II	General Purpose Service Module Contains the communications processor and applications processor and provides connections to the Interprocessor Message Transport (IMT) bus. The GPSM-II card can run on the OAM, IPS, or MCP applications.
GSM	Global System for Mobile Communications
GT	Global Title Routing Indicator
GTA	Global Title Address
GTI	Global Title Indicator
GTT	Global Title Translation A feature of the signaling connection control part (SCCP) of the SS7 protocol that the EAGLE 5 ISS uses to determine which service database to send the query message when an MSU enters the EAGLE 5 ISS and more information is needed to route the MSU. These service databases also verify calling card numbers and credit card numbers. The service databases are identified in the SS7 network by a point code and a subsystem number.
GUI	Graphical User Interface

G

The term given to that set of items and facilities which provide the user with a graphic means for manipulating screen data rather than being limited to character based commands.

GWS
Gateway Screening

Used at gateway STPs to limit access into the network to authorized users. A gateway STP performs inter-network routing and gateway screening functions. GWS controls access to nonhome SS7 networks. Only an MSU that matches predefined criteria in the EAGLE 5 ISS's database is allowed to enter the EAGLE 5 ISS.

GWSA
Gateway Screening Action

Gateway Screening Application

GWSM
Gateway Screening Messages

Gateway Screening Mode

GX25
X.25 Gateway

A software feature that allows the system to send and receive traffic to and from an X.25 network, and convert the packet to a Signaling System #7 Message Signaling Unit (SS7 MSU).

H

HC-MIM
High Capacity Multi-Channel Interface Module

A card that provides access to eight E1/T1 ports residing on backplane connectors A and B. Each data stream consists of 24 T1 or 31 E1 DS0 signaling links assigned in a

H

	time-division multiplex (TDM) manner. Each channel occupies a unique timeslot in the data stream and can be selected as a local signaling link on the interface card. Each card has 8 E1 or 8 T1 port interfaces with a maximum of 64 signaling links provisioned among the 8 E1/T1 ports.
HIPR	High-Speed IMT Packet Router A card that provides increased system throughput and traffic capacity. HIPR moves EAGLE from an intra-shelf ring topology to an intra-shelf switch topology. HIPR acts as a gateway between the intra-shelf IMT BUS, running at 125Mbps, and the inter-shelf operating at 1.0625Gbps. The HIPR card will seat in the same slot as an HMUX card (slots xx09 & xx10 of each shelf).
HMUX	High-Speed Multiplexer A card that supports the requirements for up to 1500 links, allowing communication on IMT buses between cards, shelves and frames. HMUX cards interface to 16 serial links, creating a ring from a series of point to point links. Each HMUX card provides a bypass multiplexer to maintain the ring's integrity as cards are removed and inserted into an operational shelf. High-Speed IMT Multiplexer, a replacement card for the IPMX.
HS	High Speed
HW	Hardware

I

I

ID	Identity, identifier
IGM	IS41 GSM Migration
IMEI	International Mobile Equipment Identifier
IMF	Integrated Message Feeder The IMF sits on the EAGLE and replicates the signaling data that is processed through the EAGLE to send to an off-board processor (the IXP in the case of IAS). Because it replicates the data (and doesn't introduce a new element in the path) it does not introduce any delay to the signaling and it does not create a separate footprint for a "probe" system.
IMSI	International Mobile Subscriber Identity
IMT	Inter-Module-Transport The communication software that operates the inter-module-transport bus on all cards except the LIMATM, DCM, DSM, and HMUX.
IMT Bus	Interprocessor Message Transport Bus
IMTPCI	IMT to PCI interconnection
IN	Intelligent Network A network design that provides an open platform for developing, providing and managing services.

I

INAP	Intelligent Network Application Protocol
INF	Information
INP	INAP-based Number Portability Tekelec's INP can be deployed as a stand-alone or an integrated signal transfer point/number portability solution. With Tekelec's stand-alone NP server, no network reconfiguration is required to implement number portability. The NP server delivers a much greater signaling capability than the conventional SCP-based approach. Intelligent Network (IN) Portability
INPQ	INAP Number Portability Query Processing Subsystem
INR	Information Request
IP	Internet Protocol IP specifies the format of packets, also called datagrams, and the addressing scheme. The network layer for the TCP/IP protocol suite widely used on Ethernet networks, defined in STD 5, RFC 791. IP is a connectionless, best-effort packet switching protocol. It provides packet routing, fragmentation and re-assembly through the data link layer.
IP Address	The location of a device on a TCP/IP network. The IP Address is a number in dotted decimal

I

	notation which looks something like [192.168.1.1].
IPGWI	An application that is used by the SSEDCM/E5-ENET card for IP point-to-multi-pointconnectivity within an ITU-I or ITU-N network. The system allows a maximum of 64 cards to be assigned the IPGWI application.
IPGWx	Point-to-multipoint MTP-User signaling (e.g. ISUP, TCAP) over IP capability. Typicallyused for A link connectivity which require routing keys. Far End not required to support MTP3. The IPGWx GPL (IPGWI, SS7IPGW) run on the SSEDCM/E5-ENET hardware.
IPLIM	The application used by the SSEDCM/E5-ENET card for IP point-to-point connectivity for ANSI point codes.
IPLIMI	The application used by the SSEDCM/E5-ENET card for IP point-to-point connectivity for ITU point codes.
IPLIMx	Point-to-point MTP3 and MTP3-User signaling over IP capability. Typically used for B-C-D links but can be used for A links but does not have routing key functionality. Far End required to support MTP3. The IPLIMx GPL (IPLIMI, IPLIM) run on the SSEDCM/E5-ENET hardware.
IPMX	IMT Power and Multiplexer card

I

IPS	Internet Protocol Services An application that is used by the IPSM card for the IP User Interface and FTP Retrieve and Replace features.
IPSM	IP Services Module A card that provides an IP connection for Telnet and FTP-based Table Retrieve applications. The IPSM is a GPSM-II card with a one Gigabyte (UD1G) expansion memory board in a single-slot assembly running the IPS application.
IS	Information Services
IS-41	Interim Standard 41, same as and interchangeable with ANSI-41. A standard for identifying and authenticating users, and routing calls on mobile phone networks. The standard also defines how users are identified and calls are routed when roaming across different networks.
IS41 GSM Migration	A feature that adds GSM IS-41 migration functions to the existing IS-41 to GSM feature. This enhancement provides flexibility in the encoding and decoding of parameters of LOCREQ messages and responses to number migration from one mobile protocol to another.
IS-ANR	In Service - Abnormal The entity is in service but only able to perform a limited subset of its normal service functions.

I

ISDN	Integrated Services Digital Network
IS-NR	In Service - Normal
ISDN	Integrated Services Digital Network Integrates a number of services to form a transmission network. For example, the ISDN network integrates, telephony, facsimile, teletext, Datex-J, video telephony and data transfer services, providing users with various digital service over a single interface: voice, text, images, and other data.
ISS	Integrated Signaling System
ISUP	ISDN User Part
ITU	International Telecommunications Union

K

Key	For the ICNP feature, a unique DS value used to access a table entry, consisting of a number length and number type.

L

LB	Load Balancing
LCD	Liquid Crystal Display
LED	Light Emitting Diode

L

An electrical device that glows a particular color when a specified voltage is applied to it.

LFS — Link Fault Sectionalization

A feature in the EAGLE 5 ISS that allows the maintenance personnel to perform a series of far end loopback tests, from the EAGLE 5 ISS and identify faulty segments of an SS7 transmission path up to and including the remote network element.

LI — Length Indicator

LIM — Link Interface Module

Provides access to remote SS7, X.25, IP and other network elements, such as a Signaling Control Point (SCP) through a variety of signaling interfaces (V.35, OCU, DS0, MPL, E1/T1 MIM, LIM-ATM, E1-ATM, IPLIMx, IPGWx). The LIMs consist of a main assembly and possibly, an interface appliqué board. These appliqués provide level one and some level two functionality on SS7 signaling links.

Link — Signaling Link

LM — Layer Management

LNP — Local Number Portability

LNPA — Local Number Portability Audit

LNPQS — LNP Query Service

L

LOC	The primary function of the LOC server is to locate subscribers on GSM and IS-41 networks.
LOCREQ	Location Request Message A TDMA/CDMA MSC query to an HLR for retrieving subscription/location information about a subscriber to terminate a voice call.
LPA	Loopback Acknowledgment
LPO	Link Processor Outage
LRN	Location Routing Number A 10-digit number in a database called a Service Control Point (SCP) that identifies a switching port for a local telephone exchange. LRN is a technique for providing Local Number Portability.
LS	Link Set A group of signaling links carrying traffic to the same signaling point.
LSB	Least Significant Bit
LSMS	Local Service Management System
LSN	Link Set Name The name of the link set.
LSS	Local Subsystem

M

M256	256 Megabyte Memory Expansion Card
M2PA	SS7 MTP2-User Peer-to-Peer Adaptation Layer
M3UA	SS7 MTP3-User Adaptation Layer
MAAL	Management ATM Application Layer
MAP	Mobile Application Part
MAP Group	The MAP entities in an entity set used for the distribution of traffic.
MASP	Maintenance and Administration Subsystem Processor The Maintenance and Administration Subsystem Processor (MASP) function is a logical pairing of the GPSM-II card and the TDM card. The GPSM-II card is connected to the TDM card by means of an Extended Bus Interface (EBI) local bus. The MDAL card contains the removable cartridge drive and alarm logic. There is only one MDAL card in the Maintenance and Administration Subsystem (MAS) and it is shared between the two MASPs.
Mated Application	The point codes and subsystem numbers of the service databases that messages are routed to for global title translation.

M

MB	Megabyte — A unit of computer information storage capacity equal to 1,048, 576 bytes.
MCAP	Maintenance Communications & Applications Processor
MCC	Mobile Country Code
MCP	Measurement Collection Processor This application is used by the MCPM card for the Measurements Platform feature.
MCPM	Measurement Collection and Polling Module The Measurement Collection and Polling Module (MCPM) provides comma delimited core STP measurement data to a remote server for processing. The MCPM is an EDSM with 2 GB of memory running the MCP application.
MDAL	Maintenance Disk and Alarm Card Provides Alarming and cartridge-based loading of software. It contains a 2.3 Gbyte removable cartridge drive and alarm logic. There is only one MDAL card in the maintenance and administration subsystem and it is shared between the two MASPs.
MDB	Main Memory Database
MEAS	Measurements

M

MGT	Mobile Global Title
MIM	Multi-Channel Interface Module
MNP	Mobile Number Portability
MPL	Multi-port LIM
MPS	Multi-Purpose Server The Multi-Purpose Server provides database/reload functionality and a variety of high capacity/high speed offboard database functions for applications. The MPS resides in the General Purpose Frame.
MRN	Message Reference Number An unsolicited numbered message (alarm or information) that is displayed in response to an alarm condition detected by the system or in response to an event that has occurred in the system. Mated Relay Node A mated relay node (MRN) group is provisioned in the database to identify the nodes that the traffic is load shared with, and the type of routing, either dominant, load sharing, or combined dominant/load sharing.
MS	Mobile Station
MSC	Mobile Switching Center
MSISDN	Mobile Station International Subscriber Directory Number

M

The MSISDN is thenetwork specific subscriber number of a mobile communications subscriber. This is normally the phone number that is used to reach the subscriber.

MSU — Message Signaling Unit

The SS7 message that is sent between signaling points in the SS7 network with the necessary information to get the message to its destination and allow the signaling points in the network to set up either a voice or data connection between themselves. The message contains the following information:

- The forward and backward sequence numbers assigned to the message which indicate the position of the message in the traffic stream in relation to the other messages.
- The length indicator which indicates the number of bytes the message contains.
- The type of message and the priority of the message in the signaling information octet of the message.
- The routing information for the message, shown in the routing label of the message, with the identification of the node that sent message (originating point code), the identification of the node receiving the message (destination point code), and the signaling link selector which the EAGLE 5 ISS uses to pick which link set and signaling link to use to route the message.

M

MT	Mobile Terminated All transmissions that reach the mobile station and are accepted by it, such as calls or short messages.
MTP	The levels 1, 2, and 3 of the SS7 protocol that control all the functions necessary to route an SS7 MSU through the network.
MTP2	Message Transfer Part, Level 2

N

NA	North America
NAI	Nature of Address Indicator Standard method of identifying users who request access to a network.
NAIV	NAI Value
NC	Network Cluster Network Code
NDC	Network destination code
NE	Network Element An independent and identifiable piece of equipment closely associated with at least one processor, and within a single location.
NI	Network Indicator

N

NO	Network OAM&P
NP	Number Plan
NPA	Number Plan Area The North American "Area Codes." (3 digits: 2- to-9, 0-or1, 0-to-9. Middle digit to expand soon).
NPAC	Number Portability Administration Center
NPREQ	Number Portability Request Query
NPV	Numbering Plan Value
NSAP	Network Service Access Point
NTP	Network Time Protocol

O

OAM	Operations, Administration, and Maintenance The generic load program (application) that operates the Maintenance and Administration Subsystem which controls the operation of the EAGLE 5 ISS.
OAM switchover	When the Active OAM gives up control (e.g. Init, Isolated, Obit) and either the Standby OAM becomes the Active or the old Active becomes a newly re initialized Active. This is a time when existing maintenance and

O

	status information is lost and must be relearned.
OAP	A stand-alone processor that acts as an interface between: • The EAGLE 5 ISS and OSS (operation support system) devices using standard interfaces and converting the communications to the EAGLE 5 ISS proprietary serial interface. • The EAGLE 5 ISS LNP and the SEAC (Signaling Engineering and Administration Center), for the SEAS feature, converting SEAS commands into EAGLE 5 ISS LNP commands and EAGLE 5 ISS LNP commands into SEAS commands. • The EAGLE 5 ISS LNP and the SMS (Service Management System), for the LNP feature, receiving LNP data and commands from the SMS and converting the SMS commands into EAGLE 5 ISS LNP commands and loading the LNP data onto the EAGLE 5 ISS LNP.
OLM	Overload Message
OOS-MT	Out of Service - Maintenance The entity is out of service and is not available to perform its normal service function. The maintenance system is actively working to restore the entity to service.
OPC	Originating Point Code

O

OS — Operations Systems

OSA — Open System Architecture

P

PC — Point Code

The identifier of a signaling point or service control point in a network. The format of the point code can be one of the following types:

- ANSI point codes in the format network indicator-network cluster-network cluster member (**ni-nc-ncm**).
- Non-ANSI domestic point codes in the format network indicator-network cluster-network cluster member (**ni-nc-ncm**).
- Cluster point codes in the format network indicator-network cluster-* or network indicator-*-*.
- ITU international point codes in the format **zone-area-id**.
- ITU national point codes in the format of a 5-digit number (**nnnnn**), or 2, 3, or 4 numbers (members) separated by dashes (**m1-m2-m3-m4**) as defined by the Flexible Point Code system option. A group code is required (**m1-m2-m3-m4-gc**) when the ITUDUPPC feature is turned on.
- 24-bit ITU national point codes in the format main signaling area-subsignaling area-service point (**msa-ssa-sp**).

The EAGLE 5 ISS LNP uses only the ANSI point codes and Non-ANSI domestic point codes.

P

PCI	Peripheral Component Interface Point Code International Protocol Control Information Peripheral Component Interconnect
PCS	Personal Communications Service (North American GSM)
PDN	Public Data Network A data network that uses the X.25 protocol to provide the connectivity.
PDS	Persistent Device States
PDU	Protocol Data Unit
PHS	Personal Handyphone System
PR	Problem Report
PSEL	Presentation Selector
PSTN	Public Switched Telephone Network.
PVC	Permanent Virtual Circuit A direct connection to an X.25 node that is configured in the EAGLE 5 ISS's database and can only be changed through database administration.

Q

Q3	Q3 Protocol

R

RC	Relative Cost
RD	Receive Data Removable Disk
Restricted	The network management state of a route, link set, or signaling link that is not operating properly and cannot carry all of its traffic. This condition only allows the highest priority messages to sent to the database entity first, and if space allows, followed by the other traffic. Traffic that cannot be sent on the restricted database entity must be rerouted or the traffic is discarded.
RFC	Request for Comment
RI	Routing Indicator
RMA	Return Material Authorization
Route	A path to another signaling point.
Routing Key	A set of SS7 parameter and parameter values that uniquely define the range of signaling traffic to be handled by a particular Application Server. For example, where all traffic directed to an SS7 DPC, OPC and ISUP CIC_range(s) or SCCP SSN is to be sent to a particular Application Server, that SS7 data defines the associated Routing Key.
RS	Requirement Specification

R

RSC	Reset Circuit Reset Confirmation
RSP	Routeset Prohibited Test (Msg)
RSR	Reset Request
RST	Route Set Test
RTDB	Real Time Database
RTE	Route

S

SAAL	Signaling ATM Adaptation Layer
SCCP	Signaling Connection Control Part
SCM	System Configuration Manager System Configuration Matrix.
SCP	Service Control Point
SCTP	Stream Control Transmission Protocol
SEAC	Signaling Engineering and Administration Center
SEAS	Signaling Engineering and Administration System An interface defined by Bellcore and used by the Regional Bell Operating Companies (RBOCs), as well as other Bellcore Client

S

	Companies (BCCs), to remotely administer and monitor the signaling points in their network from a central location.
Security Log	The security log is a circular file, located on each MASP, containing a record of each command entered on a EAGLE 5 ISS terminal, the name (user ID) of the person entering the command, the date and time the command was entered, and the terminal port that the command was entered on. This record can investigate unauthorized activities that may take place on the EAGLE 5 ISS, or when problems occur, this record can examine the commands that were entered before the problem occurred to check if one or more of those commands caused the problem.
SCTP	The transport layer for all standard IETF-Sigtran protocols. SCTP is a reliable transport protocol that operates on top of a connectionless packet network such as IP and is functionally equivalent to TCP. It establishes a connection between two endpoints (called an association; in TCP, these are sockets) for transmission of user messages (RFC 2960).
SG	Secure Gateway
SI	Service Indicator
SIO	Service Information Octet. The network indicator code (NIC), priority (PRI), and service indicator (SI) in the SIO field in the message

S

	signaling unit (MSU). This information identifies the type of MSU (ISUP, TCAP, and so forth) that is allowed in the network where the EAGLE 5 ISS is located.
SLAN	Signaling Transfer Point Local Area Network A feature in the EAGLE 5 ISS that copies MSUs selected through the gateway screening process and sends these MSUs over the Ethernet to an external host computer for further processing.
SLC	Signaling Link Code
SLTC	Signaling Link Test Controller
SLTM	Signal Link Test Message
SMS	Short Message Service
SMSC	Short Message Service Center
SNM	Signaling Network Management. The set of networking cards and the shared database of dynamic network status information that they collectively maintain. The messages that maintain MTP status level 3 of SS7.
SOR	Support of Optimal Routing System Out of Service Request
SR	Screening Reference

S

SRI	Send_Route_Information Message
SS	Subsystem
SS7	Signaling System #7
SS7ANSI	SS7 ANSI An application used by the LIM cards and the E1/T1 MIM card for the MTP functionality.
SS7GX25	X.25/SS7 Gateway An application used by the LIM cards for the X.25/SS7 gateway feature. This GPL does not support 24-bit ITU-N point codes.
SS7IPGW	SS7 IP Gateway An application used by the DCM/SSEDCM card for IP point-to-multipoint capability within an ANSI network.
SS7ML	An application used on the Multi-Port LIM (MPL or MPLT) for SS7 signaling links and on the E1/T1 MIM for E1 and T1 signaling links.
SSA	Subsystem Allowed
SSCF	Service Specific Coordination Function The primary task of the SSCF (Service Specific Coordination Function) is to map the services provided by the lower layers of the SAAL to the needs of a specific higher layer user. For the ATM

S

	high-speed signaling link, the higher layer user is the MTP-3 protocol.
SSCOP	Service Specific Connection Oriented Protocol. The primary task of the SSCOP (Service Specific Connection Oriented Protocol) is to provide assured data delivery between AAL connection endpoints. Breaking the SSCS into 2 sublayers allows a common connection oriented protocol with error recovery (the SSCOP) to provide a generic reliable data transfer service for different AAL interfaces defined by different SSCF layers.
SSH	Secure Shell A protocol for secure remote login and other network services over an insecure network. SSH encrypts and authenticates all EAGLE 5 ISS IPUI and MCP traffic, incoming and outgoing (including passwords) to effectively eliminate eavesdropping, connection hijacking, and other network-level attacks.
SSN	Subsystem Number The subsystem number of a given point code. The subsystem number identifies the SCP application that should receive the message or the subsystem number of the destination point code to be assigned to an X.25 address or the LNP subsystem of the EAGLE 5 ISS. A value of the routing indicator portion of the global title translation data commands

S

	indicating that no further global title translation is required for the specified entry.
SSP	Subsystem Prohibited network management message. Subsystem Prohibited SCCP (SCMG) management message. (CER)
SST	Secondary State The secondary state of the specified entity. Subsystem Status Test network management message.
STC	Signaling Transport Card The Signaling Transport Card (STC) is a member of the DCM card family with an "eroute" generic program load (GPL) installed. The STCs provide the IP interface between the LIM cards on the IMT bus and the Signaling Extended Services Platform (ESP) subassembly. The STC is used for sending MSU data to the ESP/IMF.
STP	Signal Transfer Point STPs are ultra-reliable, high speed packet switches at the heart of SS7 networks, which terminate all link types except F-links. STPs are nearly always deployed in mated pairs for reliability reasons. Their primary functions are to provide access to SS7 networks and to provide routing of signaling messages within and among signaling networks.

S

STPLAN	Signaling Transfer Point Local Area Network The generic program load and application used by the ACM card to support the STP LAN application. This GPL does not support 24-bit ITU-N point codes.
SUA	SCCP User Adaptation Layer A protocol for the transport of any SCCP-User signaling over IP using the SCTP. The protocol is designed to be modular and symmetric, to allow it to work in diverse architectures.
SUERM	Signal Unit Error Rate Monitor

T

T1	Transmission Level 1 A T1 interface terminates or distributes T1 facility signals for the purpose of processing the SS7 signaling links carried by the E1 carrier. A leased-line connection capable of carrying data at 1,544,000 bits-per-second.
TCA	Transfer Cluster Allowed
TCAP	Transaction Capabilities Application Part
TCP	Transfer Control Protocol
TCP/IP	Transmission Control Protocol/Internet Protocol

T

TCR	Transfer Cluster Restricted
TDM	Terminal Disk Module The MAS card that contains the fixed disk drive (hard disk storage), the terminal processor for the 16 serial I/O ports, and an interface to the MDAL (maintenance disk and alarm) card, which contains the removable cartridge drive and alarm logic. Time Division Multiplexing
TFA	TransFer Allowed (Msg)
TFC	Transfer Control TransFer Controlled (Msg)
TFR	Transfer Restricted
TFP	TransFer Prohibited (Msg) A procedure included in the signaling route management (functionality) used to inform a signaling point of the unavailability of a signaling route.
TN	Telephone Number A 10 digit ported telephone number.
TPS	Transactions Per Second
TR	Technical Reference

T

TRBL	Trouble
TRM	Termination Response Mode
True Point Code	The point code defining a destination in the Destination Point Code table.
TSC	Time Slot Counter
TSM	Translation Services Module Provides SCCP functionality or GLS functionality for Local Number Portability (LNP)/SCCP (GTT). The SCCP software allows the TSM to be used as a memory board for Global Title Translation (GTT).
TT	Translation Type. Resides in the Called Party Address (CdPA) field of the MSU and determines which service database is to receive query messages. The translation type indicates which Global Title Translation table determines the routing to a particular service database.
TUP	Telephone User Part
TVG	Group Ticket Voucher
TX	Transmit

U

UA	ETF User Adaptation Layers

U

UAL	User Application Layer
UAM	Unsolicited Alarm Message.
UDT	Unit Data Transfer
UDTS	Unit Data Transfer Service
UI	User Interface
UIM	Unsolicited Information Message
UIMRD	UIM Redirect
UPL	User Program Layer
UPU	User Part Unavailable

V

V.35	ITU Interface Recommendation, V.35 The interface used with the LIMV35 card.
VGTT	Variable Length GTT A feature that provides the ability to provision global title entries of varying lengths to a single translation type or GTT set. Users are able to assign global title entries of up to 10 different lengths to a single translation type or GTT set.
VIP	Virtual IP Address

V

VOM	Volt Ohm Meter
VSCCP	VxWorks Signaling Connection Control Part The application used by the Service Module card to support the G-Flex, G-Port, INP, AINPQ, EIR, A-Port, IGM, V-Flex, and LNP features. If the G-Flex, G-Port, INP, AINPQ, EIR, A-Port, IGM, V-Flex, or LNP feature is not turned on, and a Service Module card is present, the VSCCP GPL processes normal GTT traffic.
VXWSLAN	An application used by the DCM card to support the STP LAN application. This GPL does not support 24-bit ITU-N point codes.

W

WNP	Wireless Number Portability The Wireless Number Portability feature enhances the Local Number Portability feature to allow wireless service providers to query the LNP database for ported telephone numbers. The query is used to find the location routing number associated with the ported telephone number so the telephone call can be routed to its proper destination. The Wireless Number Portability feature can only be used for ANSI messages not for ITU messages.

X

XLAT	Translate Indicator
XUDT	Extended User Data

X

XUDTS Extended User Data Service

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