

Tekelec EAGLE[®] 5
Integrated Signaling System

Release 37.5

Release Notice

909-0683-001 Rev D

March 2008



TEKELEC

**Copyright 2008 Tekelec
All Rights Reserved
Printed in U.S.A.**

Notice

Information in this documentation is subject to change without notice. Unauthorized use, copying, or translation of this documentation can result in civil or criminal penalties.

Any export of Tekelec products is subject to the export controls of the United States and the other countries where Tekelec has operations.

No part of this documentation may be reproduced, translated, or transmitted in any form or by any means, electronic or mechanical, including photocopying or recording, for any purpose without the express written permission of an authorized representative of Tekelec.

Other product names used herein are for identification purposes only, and may be trademarks of their respective companies.

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.

WEEE - All products shipped to European Union member countries comply with the EU Directive 2002/96/EC, Waste Electronic and Electrical Equipment. All components that are WEEE compliant will be appropriately marked. For more information regarding Tekelec's WEEE program, contact your sales representative.

Trademarks

The Tekelec logo, EAGLE, G-Flex, G-Port, IP7, IP7 Edge, and IP7 Secure Gateway are registered trademarks of Tekelec. TekServer, A-Port, and V-FLEX are trademarks of Tekelec. All other trademarks are the property of their respective owners.

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

Foreign Patent Numbers:

EP1062792; EP1308054; EP1247378; EP1303994; EP1252788; EP1161819; EP1177660; EP1169829; EP1135905; EP1364520; EP1192758; EP1240772; EP1173969; CA2352246

Ordering Information

To order additional copies of this document, contact your Tekelec Sales Representative.

Table of Contents

Introduction.....	RN-2
PR Severity Definitions	RN-2
How to Locate Documentation on the Customer Support Site.....	RN-2
Generic Program Loads	RN-4
Resolved PRs	RN-7
EAGLE 5 ISS 37.5.4 Resolved PRs for Build 37.5.4-58.46.0 (03/20/08) ...	RN-7
EAGLE 5 ISS 37.5.3 Resolved PRs for Build 37.5.3-58.43.1 (02/08/08) ...	RN-8
EAGLE 5 ISS 37.5.2 Resolved PRs for Build 37.5.2-58.42.0 (01/29/08) ...	RN-8
EAGLE 5 ISS 37.5.0 Resolved PRs for Build 37.5.0-58.41.0 (11/16/07) ...	RN-9
ELAP 7.0 Resolved PRs for Build 7.0.0-55.50.0 (12/10/07)	RN-15
Known PRs	RN-16
EAGLE 5 ISS 37.5 Known PRs (03/20/08)	RN-16
ELAP 7.0 Known PRs (12/10/07).....	RN-64

Introduction

This *EAGLE 5 Integrated Signaling System (ISS) 37.5 Release Notice* includes ELAP Release 7.0, Build 7.0.0-55.50.0. This Release Notice has been updated for EAGLE 5 ISS Release 37.5.4, and includes known and resolved PRs and updated GPLs for EAGLE Build 37.5.4-58.46.0.

The *EAGLE 5 ISS 37.5 Release Notice* includes:

- Generic Program Loads for EAGLE 5 ISS 37.5.0, 37.5.2, 37.5.3 and 37.5.4
- Resolved PRs for EAGLE 5 ISS 37.5.0, 37.5.2, 37.5.3 and 37.5.4
- Resolved PRs for ELAP 7.0
- Known PRs for EAGLE 5 ISS 37.5
- Known PRs for ELAP 7.0

Release Notices are distributed to customers with a new software release at the time of General Availability (GA) or Limited Availability (LA).

The Release Notice is available only on the Customer Support site. For each new publication to the web, the revision level of the part number is incremented. The Release Notice can be located under the Recent Release Notices tab by its title or part number; or by its product and release; see also *How to Locate Documentation on the Customer Support Site*.

PR Severity Definitions

The PR sections in this document refer to PR severity levels. Definitions of these levels can be found in the following publication:

GR-929-CORE, *Reliability and Quality Measurements for Telecommunications Systems (RQMS)*, Telcordia, December 1998.

How to Locate Documentation on the Customer Support Site

Access to Tekelec's Customer Support area is restricted to current Tekelec customers. This section describes how to log into the Tekelec Customer Support site and how to locate customer documentation. Viewing these files requires Adobe Acrobat Reader.

- 1 Go to the Tekelec Customer Support login page at <https://support.tekelec.com/index.asp>
- 2 Enter your assigned username and chosen password, then click **Go**.
Or, if you do not have access to the Customer Support site, click **Need an Account?**

Follow the instructions on the screen.

NOTE: After 20 minutes of inactivity, you will be logged off, and you must repeat this step to regain access.

- 3 After successful login, select a product from the Product Support drop-down menu (for example, EAGLE 5 ISS shows all EAGLE products after release 34.0).
- 4 Select a release number from the Product Support Release drop-down menu.
- 5 Locate the appropriate documentation section (i.e., a Feature or Release Notice would be under **Notices**, and user documentation would be under **Manuals**).
- 6 To open the documentation in the same window, double-click the document name. To open the documentation in a new window, right-click the document name and select **Open in New Window**.
- 7 To download the document, right-click the document name and select **Save Target As**.

Generic Program Loads

Table RN-1 on page RN-4 lists the latest Generic Program Loads (GPLs). When multiple builds are listed, GPL versions that changed from the previous build are highlighted.

Table RN-1. GPLs - Builds 37.5.0-58.41.0, 37.5.2-58.42.0, 37.5.3-58.43.1, and 37.5.4-58.46.0

GPL SYSTEM NAME	VERSION Build 37.5.4-58.46.0	VERSION Build 37.5.3-58.43.1	VERSION Build 37.5.2-58.42.0	VERSION Build 37.5.0-58.41.0
Date Available	03/20/08	02/08/08	01/29/08	11/16/07
ATMANSI	128.46.0	128.42.0	128.42.0	128.39.0
ATMITU	128.46.0	128.42.0	128.42.0	128.39.0
BLBEPM	128.21.0	128.21.0	128.21.0	128.21.0
BLBIOS	128.21.0	128.21.0	128.21.0	128.21.0
BLCPLD	128.21.0	128.21.0	128.21.0	128.21.0
BLDIAG	128.26.0	128.26.0	128.26.0	128.26.0
BLDIAG6	128.35.0	128.35.0	128.35.0	128.35.0
BLVXW	128.41.0	128.41.0	128.41.0	128.41.0
BLVXW6	128.44.0	128.41.0	128.41.0	128.41.0
BPDCM	128.35.0	128.35.0	128.35.0	128.35.0
BPHCAP	128.35.0	128.35.0	128.35.0	128.35.0
BPHCAPT	128.35.0	128.35.0	128.35.0	128.35.0
BPHMUX	128.25.0	128.25.0	128.25.0	128.25.0
BPMP L	128.35.0	128.35.0	128.35.0	128.35.0
BPMP L T	128.35.0	128.35.0	128.35.0	128.35.0
CCS7ITU	128.46.0	128.42.0	128.42.0	128.39.0
CDU	158.46.0	158.42.0	158.42.0	158.39.0
EBDABLM	128.46.0	128.42.0	128.42.0	128.39.0
EBDADCM	128.46.0	128.42.0	128.42.0	128.39.0

Table RN-1. GPLs - Builds 37.5.0-58.41.0, 37.5.2-58.42.0, 37.5.3-58.43.1, and 37.5.4-58.46.0 (Continued)

GPL SYSTEM NAME	VERSION Build 37.5.4-58.46.0	VERSION Build 37.5.3-58.43.1	VERSION Build 37.5.2-58.42.0	VERSION Build 37.5.0-58.41.0
Date Available	03/20/08	02/08/08	01/29/08	11/16/07
EMDC	128.46.0	128.42.0	128.42.0	128.39.0
EOAM	128.46.0	128.43.0	128.42.0	128.41.0
EROUTE	128.46.0	128.42.0	128.42.0	128.39.0
GLS	128.46.0	128.42.0	128.42.0	128.39.0
HIPR	128.45.0	128.25.0	128.25.0	128.25.0
IMT	128.46.0	128.42.0	128.42.0	128.39.0
IMTPCI	128.35.0	128.35.0	128.35.0	128.35.0
IPGHC	128.46.0	128.42.0	128.42.0	128.39.0
IPGWI	128.46.0	128.42.0	128.42.0	128.39.0
IPLHC	128.46.0	128.42.0	128.42.0	128.39.0
IPLIM	128.46.0	128.42.0	128.42.0	128.39.0
IPLIMI	128.46.0	128.42.0	128.42.0	128.39.0
IPS	128.46.0	128.42.0	128.42.0	128.39.0
MCP	128.46.0	128.42.0	128.42.0	128.39.0
MPLG	158.46.0	158.42.0	158.42.0	158.39.0
PLDPMC1	128.21.0	128.21.0	128.21.0	128.21.0
SCCP	128.46.0	128.42.0	128.42.0	128.39.0
SCCPHC	128.46.0	128.42.0	128.42.0	128.39.0
STPLAN	128.46.0	128.42.0	128.42.0	128.39.0
SS7ANSI	128.46.0	128.42.0	128.42.0	128.39.0
SS7EPM	128.46.0	128.42.0	128.42.0	128.39.0
SS7GX25	128.46.0	128.42.0	128.42.0	128.39.0

Table RN-1. GPLs - Builds 37.5.0-58.41.0, 37.5.2-58.42.0, 37.5.3-58.43.1, and 37.5.4-58.46.0 (Continued)

GPL SYSTEM NAME	VERSION Build 37.5.4-58.46.0	VERSION Build 37.5.3-58.43.1	VERSION Build 37.5.2-58.42.0	VERSION Build 37.5.0-58.41.0
Date Available	03/20/08	02/08/08	01/29/08	11/16/07
SS7HC	128.46.0	128.42.0	128.42.0	128.39.0
SS7IPGW	128.46.0	128.42.0	128.42.0	128.39.0
SS7ML	128.46.0	128.42.0	128.42.0	128.39.0
VCDU	158.46.0	158.42.0	158.42.0	158.39.0
VSCCP	128.46.0	128.42.0	128.42.0	128.39.0
VXWSLAN	128.46.0	128.42.0	128.42.0	128.39.0

Resolved PRs

The Resolved PR tables show an impact statement for Severity 1 and 2 PRs as well as for Severity 3 PRs that are associated with a CSR.

Table RN-2 on page RN-7 lists resolved PRs for EAGLE 5 ISS 37.5.4.

Table RN-3 on page RN-8 lists resolved PRs for EAGLE 5 ISS 37.5.3.

Table RN-4 on page RN-8 lists resolved PRs for EAGLE 5 ISS 37.5.2.

Table RN-5 on page RN-9 lists resolved PRs for EAGLE 5 ISS 37.5.0.

Table RN-6 on page RN-15 lists resolved PRs for ELAP 7.0.

NOTE: Resolved PRs are sorted in ascending order by Severity (Sev.), and then by PR number.

Table RN-2. EAGLE 5 ISS 37.5.4 Resolved PRs for Build 37.5.4-58.46.0 (03/20/08)

PR #	CSR?	Sev	Title	Customer Impact
126934	Y	2	M3UA filters SCCP messages on SCCP message type	This change allows all SCCP type MSUs through the M3UA gateway. Before only the types that GTT would work on the EAGLE were allowed. With this change those messages can be MTP routed through the EAGLE.
127597		2	Multicast messaging round trip time too large	Inter-card communications are delayed by up to 250 milliseconds too long. This can cause timing problems with changeover, changeback, and other network management messages that need to be sent to other cards to keep the DDB in sync. Because the delays can be different on different cards, there can be sequencing problems when events arrive on different cards. This problem exposes the DDB to sync problems, and can cause problems that lead to inconsistent DDB checksums.
127964	Y	2	MTU for 802.3 Ethernet Interfaces on E5-ENET cards is wrong	When an IP link is set to 802.3 the application may try to send an IP frame greater than 1492 bytes in length. That packet is lost and not transmitted out the wire. This would result in lost traffic for the customer.
127965	Y	2	SCTP on IP7 Card do not do Path MTU discovery properly	When SCTP receives an Destination Unreachable due to Can't Fragment it does not properly adjust (reduce) the MTU for the SCTP association's path. It will continue to transmit the packet that needs fragment with same size with the Don't Fragment Bit set. This could cause the SIGTRAN links to fail.

Table RN-2. EAGLE 5 ISS 37.5.4 Resolved PRs for Build 37.5.4-58.46.0 (03/20/08) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
128201	Y	2	HIPR Silently Discards Messages	There is a discard of packets that is random. The system is able to accommodate the packet loss by retransmission. While unlikely, it is possible that a virtual circuit between two cards could be taken down if the original message and the subsequent retransmissions on each bus were all discarded. Also unlikely but possible, the discard of packets could become severe enough to take down an entire IMT bus.
128196	Y	3	Dynamic database mismatched on NmTFR	Dynamic database looks like it has a serious problem when it does not. Note: This is a send message that TAC uses for troubleshooting.
128579		3	Dynamic Database mismatch on PREV_STATUS	

Table RN-3. EAGLE 5 ISS 37.5.3 Resolved PRs for Build 37.5.3-58.43.1 (02/08/08)

PR #	CSR?	Sev	Title	Customer Impact
125178	Y	2	MASP Card Rebooted w/Module BTREE.C Line 1525 Class 01b3 When RTRV-GTT	When this problem is seen, the active MASP will boot when the customer attempts to retrieve or provision their global title table data.

Table RN-4. EAGLE 5 ISS 37.5.2 Resolved PRs for Build 37.5.2-58.42.0 (01/29/08)

PR #	CSR?	Sev	Title	Customer Impact
126157	Y	2	After Upgrade to 37.0.5-58.20.64 EDCMs OBIT: Mod:tk_s_bfr.c Line1287 Class 01cf	Cards will boot if routing context is misconfigured so that the EAGLE and the far end do not match. This could take hours or days to happen depending on the rate of exchange of routing context data. The GPL affected is the SS7IPGW, IPGWI, and IPGHC using either SSEDCEM or E5-ENET card.
126327	Y	2	Module ua_asp.c Line 1560 Class 01b1 Generated when the APPL-RTKEY configured for Routing Context but not the far end.	Customer's IPGW cards reboot causing loss of traffic currently being processed in the cards.
126741		2	Allow DefMCC provisioning with G-Port or G-Flex on	Customer is not able to provision default country code handling or processing if only G-Port feature is enabled.
127066		2	dlt-gserv-data command lost in merge	The dlt-gserv-data command is not available. Users can enter and retrieve gserv data, but if there are any mistakes or desire to remove, that capability is gone.

Table RN-4. EAGLE 5 ISS 37.5.2 Resolved PRs for Build 37.5.2-58.42.0 (01/29/08) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
96621	Y	3	Multiple IPGW TPS Feature Quantities permanently enabled	The largest TPS value enabled will be used by provisioning commands, so there is no outward impact aside from rtrv-ctrl-feat showing more than one TPS value enabled. There is no impact for non-IPGW customers.
122232	Y	3	DDB Checksum not updated on LIM card after removing all links on active card (via SEAS)	Customer's system will show incorrect DPC/Route status if the EAGLE does not automatically remove the card from the Checksum "table". Customer is forced to reboot the card to accomplish this.
122956	Y	3	The rtrv-data-rtdb command is not working when the INP control feature is activated.	The rtrv-data-rtdb command does not work on release 36.0.0-57.19.0, when the INP control feature is activated.
124494	Y	3	RTRV-GTT w/ GTA and EGTA parameter not showing all entries of diff lengths with VGTT=on	Customer must issue the rtrv-gtt command multiple times in order to pull all ranges in the TT 14 gtt table.

Table RN-5. EAGLE 5 ISS 37.5.0 Resolved PRs for Build 37.5.0-58.41.0 (11/16/07)

PR #	CSR?	Sev	Title	Customer Impact
111514	Y	2	M2PA B links went into level 2 congestion	IP7 Ethernet Alarms - request for feature. Feature needed to detect misconfigured duplex between and Eagle and router or switch.
113588		2	DSM Cards boot with TSI_SBFER Obit	<p>During relatively high traffic loads, when booting 11 of 22 DSMs, an out-of-resources event occurred on 2 of the remaining 11 DSMs and they obit'ed. This has occurred once on a large system during a multiday run. A script was executing that warm restarts 11 of the 22 DSM cards every 15 minutes. This should never happen on a live customer site.</p> <p>Lowering the number of DSMs being booted will lower the request rate, and should keep other DSMs from being overwhelmed with DDL requests. The obits correlate with link failures as well, which will cause DDL to abort and restart. Restarting crossload on 11 DSMs multiple times appears to be the root cause.</p>
113835		2	LIMDS0 obit during STC overload: Module ISCC_RX.C Line 379 Class 3400	Under Prolonged STC overload condition or a condition that introduces TCP network delay, which results in prolonged (24 hours or more) socket congestion may result in overflow of Level 2 queue on two port LIM. This shall result in booting the 2 port LIM card.
121923	Y	2	DPCs Bouncing Between 0313 & 0312 - Multiple Nodes - PCs Are Not Proh nor Restr	The customer is getting fed false alarms by stating DPCs or Routes are Prohibited or Restricted when they are truly in-service normal. There is a chance the Eagle might start misrouting calls based on the misinformation it is providing itself.

Table RN-5. EAGLE 5 ISS 37.5.0 Resolved PRs for Build 37.5.0-58.41.0 (11/16/07) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
122932	Y	2	SEAS -VFY-PE - Eagle is not truncating the linkset name to 8 characters in VFY-PE response	LS name field incorrectly formatted if LS name is > 8 characters long in vfy-pe and vfe-rte SEAS commands. The LS name is not properly truncated to 8 characters.
123110		2	EAGLE responds to SOR with SOG while running over 80% SCCP capacity.	System will respond to SOR with SOG even though it may not have capacity to handle the additional traffic. This could lead to congestion on the node. This affects local subsystems only (LNP, INP, EIR).
123147	Y	2	MOBR Exception Routes for ILSN stay restricted when Circ Routed	Any exception route who's normal route matches the normal route for the destination (direct route) will not handle circular route protection procedures as expected, forcing these exception route entries to remain PROHIBITED unless a RST-DSTN is done on the DPC for the exception route. Exception routes do not recover automatically.
125581		2	LIM E1s obit with Module ddl_mtp.c Line 1892 after init-sys	When lots and lots of cards simultaneously boot, some of the events were being lost. This could result in incorrect routing, and double boot scenarios. More that 70 cards with a simultaneous problem (not init-card - that is too slow) seem to be the cause.
107961		3	TELCORDIA-MOBR-A TCR concerning SPC is incorrectly sent to MSTP.	
111730		3	scopy trouble coming out on the EAGLE	
113321	Y	3	MPL: Module EMP_TREK.C Line 2524 Class 3409 Severity 1	It's a minor issue where a UDP socket goes down and doesn't come up in time. When the concerned UDP socket tries to bind to an address, it gets an error code which means "Address is already in use". It appears that the UDP socket that went down lingers on the address for a period. When the linger timer expires the UDP socket comes up. If the customer is using our monitoring solution for billing, there is a strong possibility that billing will be impacted if the socket does not comes back into service. Even is the socket does come back into service the link could bounce back and forth between UA and available on the IMF/Sentinel thus causing MSUs to be missed.
113827		3	MAP Combined Loadsharing does not loadshare when last node of preferred group is congested	
114974		3	UIM1185 log states "GTI Status Register". Should state "GTI Clock Status Register"	
115011		3	EROUTE TVG is not maintaining same-shelf-grant	
116268		3	xlist route prohibit causes exception routes to report route prohibits	

Table RN-5. EAGLE 5 ISS 37.5.0 Resolved PRs for Build 37.5.0-58.41.0 (11/16/07) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
116269	Y	3	Congestion - Telcordia - link utilization during long term congestion very low	If a network is sending unusually high traffic rates (> 200%) at a link, the discard mechanism for the link will protect the card from booting, but may not run the link efficiently. It will cycle from 100% to 20% load, thrashing back and forth. Overall, this may make the link utilization low, even though lots of congestion and discard is reported.
116599		3	Change to PHY settings for ethernet connection	
116786		3	IPLIM and IPGW on E5-ENET needs more memory allocated for SCTP buffering	
117078	Y	3	EAGLE Customer Docs for 35->36 do not have rtrv-data-rtdb.	EAGLE Customer Documentation Commands Manual for REL 35.0 (910-3221-001), 35.1(910-3722-001), REL 35.3 (910-4949-001) and REL 36.0 (910-4468-001) has the command RTRV-DATA-RTDB listed in the bookmarks but it is not in the documentation itself. If you click the bookmark it takes you to the end of the rtrv-ctrl-feat command and the beginning of rtrv-dcmps commands.
117923		3	E5-STC: Unexpected STC Network Unavailable post Physical Link Restore	
118003	Y	3	Revision needed for 936-0107-001 flashing card procedure	The procedure described in the Eagle Maintenance Manual for UAM 0002 (card is not running approved GPL) does not give the correct information for which cards should be flashed and which cards should not.
118274		3	Netstat -i does not work in vxworks 5.5	
119315		3	Add Step to UAMs 0452 and 0453 - REPT-STAT-DB:DISPLAY=ALL:DB=MPS	
119593		3	TVG capacity prematurely exhausted -- all card types.	
120349		3	PPSMS: Wrong alarm "*C 9663.0529 *C GPORT SERVICE Service disabled" observed at Eagle when PPSMS is ON but GPORT is not ON	
120919	Y	3	Module dbm_da.h Line 1155 Class 01c3 Seen On EDCM	There is a problem with having scheduled COMP-LINK OAM measurements when running the Measurements Platform. An interaction can sometimes occur, less than 4% of the time, between 5-minute collection and the comp-link report. The MCP FTP-ed reports are correct but the OAM reports terminate abnormally as well as causing the Module dbm_da.h Line 1155 Class 01c3.
121008		3	skew ISR interrupts are not pegging on HCMIM	

Table RN-5. EAGLE 5 ISS 37.5.0 Resolved PRs for Build 37.5.0-58.41.0 (11/16/07) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
121024		3	"msucount -r" does not reset the max average counts for the "msucount -b" report	
121115	Y	3	Routes Toggling Between UAM 0316 Route is prohibited & UAM 0314 - Route is allowed, But Traffic is Routing Fine	Customer is getting UAM 0316 Route is prohibited continuously, but no routes are truly prohibited. Usually an upgrade (a controlled INIT-SYS) fixes issues like this, but in this case it did not.
121179	Y	3	E2643 command error recovery step number 2 is to vague.	Some customers are experiencing issues with step number 2 of the error recovery procedure when trying to delete referenced routes. The recovery procedure for error code E2643 should read: <ol style="list-style-type: none"> 1. Enter the rept-stat-rte command to retrieve information about this route and the DPC it points to. 2. Enter the rtrv-map command to retrieve the references that point to the DPC. 3. Delete the references listed in the output from the "rtrv-map" command that point to this DPC. 4. Re-enter the command that caused this error. 5. If the error appears again, call the Customer Care Center.
121294		3	E5-ENET card remains isolated if wrong adapter for cable is connected	
121757		3	BICC: SLAN copies MSUs larger than 272 bytes	
121942	Y	3	3 loopback points, act-lbp fails, "LFS HARDWARE FAILED". Passes manually for each LBP.	STP is on Eagle release 35.1.1-56.39.32. Customer has defined three loopback points on a two-port LIM card signaling link. The act-lbp command fails with failure reason "TEST STATUS = ERROR, LFS hardware failed". The test appears to fail between the second and third loopback point. However, if the act-lbp command is issued with each loopback point specified in the command line, the test passes (e.g. lbp=1, lbp=2, lbp=3). Customer reports that this is happening on multiple signaling links, but not all. Customer also reports that one of the circuits was patched over to their lab, that is on Eagle release 29.0.6. The command passes each and every time on this software release.
121961		3	E5-ENET obits with ath_vxw_mgr when msutrace config command is entered with incorrect parameters	
122231	Y	3	T10071: The Ping Command hangs the IPSM card	Ping to bogus address will hang ping for that card until card reset. Would hamper further diagnostics.
122573	Y	3	UAM 0112 - Major failures detected on both IMTs & LIMs Booted w/ Module PMTC_MGR.C Line 407 Class 0240.	When the init-mux command is issued multiple cards can get off the bus (or believe they are off the bus) and the application boots them.

Table RN-5. EAGLE 5 ISS 37.5.0 Resolved PRs for Build 37.5.0-58.41.0 (11/16/07) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
122914	Y	3	Commands manual. chg-slt commaand. Descriptions for timers not very clear.	The following corrections have been made to the "chg-slt" command: Timer 1. After an SLTM test fails, this parameter specifies the amount of time to wait before running the SLTM test again. Timer 2. This parameter specifies how often to run an SLTM test for a normally functioning signaling link.
123068	Y	3	DDB X-load does not detect dble entry (xlist-FPC) X-loaded creating invld entry	Due to PR 115076 if a customer is entering full pc routes that have a cluster route defined they can create a problem where duplicate entries exist and the DDB crossload does not detect when the double entry (xlist and FPC) is being crossloaded creating an entry with invalid data causing routing inconsistencies.
123144	Y	3	Does GTTPERFD total include GFGTMATCH? Documentation PR needed for clarification.	The GTTPERFD measurement description in the Eagle Maintenance Manual has been updated to read: The total number of MSUs that successfully completed global title translation (GTT). This includes all GTT modes as well as translations on Global Title (digits), on CgPA PC and OPC (Point Codes), and on CgPA SSN (Subsystem) and GFGTMATCH .
123311	Y	3	DOCUMENTATION R37.0 MISSING COMMANDS	Customers do not have documentation on the following debug commands in release 37.0 customer docs: chg-gtwyls chg-upgrade-config disp-tbl disp-trace dlt-gtwyls dlt-trace ent-gtwyls chg-serial-num help rtrv-data-gtt rtrv-gtwyls rtrv-pe rtrv-data-rtdb (Is in documentation but no info in the documentation) rtrv-upgrade-config set-lba set-tbl
123698	Y	3	Is an INIT-SYS required if a capability point code is being changed?	Description in the Eagle Commands Manual does not clearly state that an INIT-SYS is not required when changing a capability point code only. This is only done when the true Self-Identification system number is altered.

Table RN-5. EAGLE 5 ISS 37.5.0 Resolved PRs for Build 37.5.0-58.41.0 (11/16/07) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
123994	Y	3	Documentation must be updated according to what is stated into CSR	Needs to have an extra section for rept-meas command in commands manual regarding error message "Measurement data represents an incomplete interval" and what it means.
108989		5	SEAS over IP (EOAP Replacement)	
112952		5	IPS GPL on E5-IPSM	
113120		5	Multiple Linksets to Single Adjacent PC	
113122		5	Proxy Point Code	
115431		5	Removal of E5SM Performance Restriction with IAS and HIPRs on all shelves	
116689		5	MO based GSM SMS NP	
117873		5	MO-based IS41 SMS NP	
120252		5	Thermal Level 2 for EPM-A card is set too high	
121206		5	INP to support homeRN in the response	
123195		5	No caution when SPC is changed using CHG-DSTN command	
123330		5	Integration of SSHield Patch-i006 to VxWorks SSHv2 for VxWorks6x.	
123625		5	CHG-DSTN command will allow a NULL change for SPC parameter	
125932		5	Check return codes in icc, and dont wait so long for icc to init	

Table RN-6. ELAP 7.0 Resolved PRs for Build 7.0.0-55.50.0 (12/10/07)

PR #	CSR?	Sev	Title	Customer Impact
61375		3	Browser timeout during local provisioning batch file causes false error- E1025: File lock failed: Could not obtain file lock	
103966		3	View ELAP status screen is incomplete	
106749		3	ELAP GUI shows the current login time instead of the previous login time	
106771		3	ELAP uiEdit causes different results when using uppercase or lowercase	
114344	Y	3	Cmd Rej: RTDB returned error code RTDB_RET_AT_LEAST_1_OVR_GTT_REQ	Other than the presence of the reject messages, there are no impacts to the system.
118339	Y	3	ELAP upgrade procedure, 909-0068-01, needs reboot added to procedure for DST issue	Until reboot is performed, local time representation will be incorrect for three weeks in March and one week in late October that correspond to extended timeframe for DST.
119972	Y	3	Audit fails because port 1030 is in use.	Customer is unable to perform audits to that CLI until the ELAP software is restarted.
121841	Y	3	OGTT w/out services reject during SPID migration	Mass SPID Migration for LRN, for which there is no OGTT defined on the LSMS, will not update the SPID on the ELAP.
123131	Y	3	ELAP A and B maint processes would not start due to a faulty DSM	Delay of RTDB updates to the DSMs until the maint process restarts after inhibiting, removing, or replacing the offending DSM.
105856		5	Reverse httpd.conf file override of TPD default	
107323		5	*JAVA 1.5 on ELAP	

Known PRs

Table RN-7 on page RN-16 lists known PRs for EAGLE 5 ISS 37.5.

Table RN-8 on page RN-64 lists known PRs for ELAP 7.0.

NOTE: Known PRs are sorted in ascending order by Severity (Sev), and then by PR number.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
111592		2	Resolved	No-Fix	Upgrade to 35.0.0-56.23.11 caused cards to go into DDL_HUNT for long periods	There is a chance that if the network is not stable during card load (as happens during upgrade) that the network card will be stuck in DDL HUNT due to the number of changes in the network. The network card needs to have a period where the network is stable so that it can crossload the current status of the routing table from another network card. To prevent this, it is recommend that customers clean their networks before upgrading.
115014		2	Resolved	Defer	EMP Discard/Congestion on large Eagle (ie MSUs are not copied from Eagle to IMF)	If customers are monitoring SE-HSL links that are running traffic at .2 erlang or more then the SE-HSL may discard MSU copies. If the traffic on SE-HSL links is .1 erlang then monitoring seems to work fine
117351		2	Resolved	Defer	Telcordia - 35.0 audit - All Messages originally Belonging to Currently Unavailable Links are Unnecessarily Buffered During C	Unnecessarily buffering messages may lead to congestion after changover or changback. This potentialy could result in short term traffic loss.
119197		2	Resolved	Defer	MSU loss during CO when mult IPLIM SLKs fail rapidly, MSU arrives for failed non-CO SLK	During situations of multiple link failure (>7 links) within a linkset cards hosting high speed links may send MSUs to links that are not available for traffic b/c the source cards are not updated with the current routing information. Currently the destination card discards this traffic and increments the MSINVLNK system peg which may be retrieved via rept-meas:type=systot:enttype=stp
121160		2	Resolved	Defer	E5-SM4G Cards Boot with ATH_VXW.C Obit	Very infrequently when an E5-SM4G card is warm booted it may cold boot with a WD2 obit. This will cause the card to come back online in 3:16 on average.
122526		2	ReadyToTest	Active	IPSM SSH tasks end up in SUSPEND state	Under specific error conditions during automated testing, terminal handler tasks in the IPSM code are ending up in the SUSPENDED state, thereby blocking access to the card.
123441	Y	2	Resolved	Defer	DDB corruption due to lost update	Point codes toggle between prohibited and allowed, require INIT-NTWK to resolve. Has occured at multiple customer sites.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
123765		2	Resolved	Defer	Obit Module restart.c Line 1047 Class 0001 observed during Upgrade from 58.25.0 to 58.26.0	The SM4G card boot and recovers when/if this problem is encountered. Fortunately it does not happen frequently (we cannot reproduce in the SW dev lab).
123880		2	Resolved	No-Fix	GTT Failing on TSM with SCCP Cnv	none
124350		2	Resolved	Defer	Module T4M_INT.C Line 279 trouble seen during INIT-SYS:DATA=PERSIST	The OAM boot results in the duration of the init-sys command being extended. Since init-sys commands are not often done in the field, the system impact is minimal.
124504		2	Resolved	No-Fix	Active MASP Boots with awd_mgr OBIT	Active MASP booting should not impact system as long as Standby MASP is functioning.
124912		2	ReadyToTest	Active	E5-IPSM card showing 9 established connection where as all scripts are stoped	Customer is not able to get into EAGLE through IPSM card. It says that the connection is closed by remote host.
125152		2	Resolved	Defer	Corrupted Multicast packets (bad H/W) caused DDB inconsistencies requiring init-network	If a hardware or other event occurs that corrupts the IMT, multicasts used to keep the DDB up-to-date can be lost/corrupted, and the DDB will be inconsistent. Depending on the severity of the event, init-network may be required to resync the database.
125229	Y	2	Resolved	Defer	Additional action must be taken when SS7 messages destined to a particular card are returned	When a LIM card fails such that it can't communicate over the IMT bus with one or more other LIM cards, yet the failed card remains on the IMT bus, then the system will not generate a PMTC Disconnect event. If the PMTC Disconnect event is not generated, then the LIM cards will keep the link state for the failed LIM card as active and continue to attempt to route messages to the card. Since the messages are undeliverable, they will eventually be silently discarded and result in traffic loss.
125231	Y	2	Resolved	Defer	IMT Bus Integrity Check Does Not Include Data Validation	If a card develops a stuck data bit, it is possible that it may lose the ability to communicate with some or all of the other cards in the system, yet maintain enough functionality that it remains on the IMT bus. In this case, the system is not able to detect that the card is unable to communicate with other cards and is corrupting traffic.
125233	Y	2	Resolved	Defer	OA&M does not verify that the system correctly responds to an inh-card command	When a user inhibits a card and it does not respond, there is no indication to the user that the command was not successfully completed. Further, there is no mechanism available to the user to "force" the command to be executed. This leaves an uncontrollable card on the IMT bus disrupting and corrupting traffic.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
125487		2	ReadyToTest	Active	Not able to establish 2 SSH connection on E5-IPSM Card	After running 8 ssh scripts, it is not possible to establish 2 ssh connections at the same time. User gets "telnet server busy" response.
125538		2	Resolved	Defer	GLS card boots with bndr_mgr.c Line 1488 after init-sys	GLS cards are redundant, and only one GLS card had this problem, and recovered from it after automatically rebooting. There is no loss of traffic.
125740		2	ReadyToTest	Active	SSHCONN tasks on IPSHC card gets into SUSPEND state during stability runs	SSHCONN tasks on IPSHC card gets into SUSPEND state during stability runs.
125767		2	Resolved	Defer	Removal of TDMs causes TKS, TSI_SBFRR Obits on DSM Cards	When a large system loses clock, and then regains clock, there is the potential for DSMs to run out of resources an obit. This was only seen on a system with a large number of high-traffic links that do not fail when the clock is lost, and a large number of links that do fail when the clock is reset. The DSMs will reload.
125899		2	Resolved	Defer	SM4G cards obit with ath_vxw_mgr. Line 1598 and ath_vxw_mgr. Line 1659 sev 1 trouble during upgrade	The occurrence of this PR causes the card to boot but not before 5+ minutes of time after an inh-card or init-card command is issued. The card does recover on its own, but such a long delay can cause Upgrades to fail should the PR appear.
125954	Y	2	Investigated	Active	Severity on Module TBGTTLS.C	
125960		2	Resolved	Defer	SSH connections are in ESTABLISHED state but no terminal is in IS-NR state also certain CLOSE_WAIT are their from a long time	SSH connections are in ESTABLISHED and/or CLOSE_WAIT state but no terminal is in IS-NR state for an extended time. This happend with an old IPSM card not new E5-IPS cards.
126194		2	Resolved	Defer	Telcordia - audit - NCR - Missing TFA broadcast when TFA received from adj node	Customer will experience some delay (T10) in knowing the FPC is allowed, since instead of broadcast at moment of transition, notification is performed via response-method.
42959		3	Resolved	Defer	Telcordia - EAGLE erroneously discards all the traffic that is held in the Changeback buffer	If a link under time-controlled changeback fails, forcing another time-controlled changeover, all traffic that has been originally buffered (during the initial changeback) may be lost. This results in a small, limited loss of traffic.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
43887		3	Resolved	Defer	Telcordia - Links to adjacent STP inhibited prior to isolation - one	Incorrect restart procedures would happen as a result as one of the links remaining inhibited, causing excess network management traffic to be sent to the adjacent node. Customer network would shortly recover correctly from the incorrect procedures.
50960		3	Resolved	Defer	Telnet Terminal Timeout Doesn't Match KSR Timeout	Telnet terminal timeout behaves differently than that of KSR. If a Telnet terminal command times-out and a new command is entered the new command is appended to the one that timed-out. Also as a command times-out and the enter key is pressed the command that timed-out will be executed without being displayed.
53231		3	Resolved	Defer	IPSM public key retention and UIM not implemented.	This simply means that EAGLE will not retain public keys received from SFTP Servers that EAGLE has connected to across card resets. This leaves a slight security risk because, after an IPS card resets, the Eagle could establish a connection to the wrong far end without notifying the user of any potential wrong-doing. Of course, this would mean that the server is being spoofed in the network when Eagle attempts this connection. As long as the IPS card is not reinitialized, or the server is not being spoofed, the risk is not a issue.
53915		3	Resolved	Defer	IP Terminals missing 30 minute chunks of output on large station with lots of output	Under extreme testing conditions where large system with all output groups set to same IP terminal will cause output data loss.
54268		3	Resolved	Defer	Loading Mode Support needs to be updated.	No impact as long as SCCP cards are in service and there is at least one SCCP card for 16 LIM cards. The problem has never been reported in the field.
55330		3	Resolved	Defer	SCCP cards obits if init'd during chg-db:action=repair	If the operator tries to init any SCCP cards while attempting a db repair or restore, these cards will remain out of service until the db command has completed.
55702		3	Resolved	Defer	ITU_I, 14 Bit ITU_N , & 24 Bit ITU_N (with & w/out Group Code) EGTT GTTSEL selectors should not overlap	Possible user confusion or limitation of feature for single TT accessed by both GTII & GTIN, not possible.
55995		3	Resolved	Defer	Telcordia - One message lost when L1/L2 fail simultaneously	When L1 and L2 failed near-simultaneously, one message was lost during the changeover procedure.
56026		3	Resolved	Defer	Telcordia - AMR: Duplicate preventive TFPs are sent after adjacent restart procedures.	Extra TFP sent when not required. TFP will be discarded by adjacent node.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
56910		3	Resolved	Defer	CANC-CMD on telnet fails with command recall	When trying to cancel a command using the UP arrow to recall "canc-cmd" out of the command history, the user will get "System busy" instead of actually being able to cancel the command. If the user actually types "canc-cmd" into the keyboard, this never happens.
57586		3	Resolved	Defer	User auto logged out double message	None. Message gets printed twice in a row, instead of just once.
57819		3	Resolved	Defer	SFTP password error yields Severity 1 message	None. System functions normally, and ATH is expected. Although customer may become alarmed at the ATH.
58184		3	Resolved	Defer	poll_mv.cpp ATHs on MCP card referring to IPGWI cards	Measurements for the ID'd card (IPGWI) are delayed in response and not included for the collection period.
58454		3	Resolved	Defer	CHG-TRM:ALL=YES, DBG output group behaviour	This PR would cause additional Debug Information to be displayed on Screen. Behaviour of the CHG-TRM:TRM=x:ALL=YES command is to be modified so only explicitly executing CHG-TRM:TRM=x:DBG=ON will turn this group on. The CHG-TRM:TRM=x:DEBUG=OFF command will stop debug commands from being displayed.
59728		3	Resolved	Defer	Possible Missing Measurements on GTT discard	The Eagle does not peg the number of MSUs discarded after successfully passing SCCP GTT due to destination route congestion. This peg count may need to be added.
60007		3	Resolved	Defer	adl.mgr obits fails upgrade when IPLIMI links go down	Cards will timeout and ask to be downloaded again. All cards will be successfully downloaded. This should not occur during a upgrade in the field since all IMT bus failures should be cleared before the upgrade is started.
61313	Y	3	Resolved	Defer	Netboss and STP2 alarm mismatch	NetBoss network management system does not accurately reflect status of the network.
61394		3	Resolved	Defer	HC-MIM Starting lfs on remote link that is already in loopback, clear loopback	After the ACT-LBP is first issued on the FE, the subsequent ACT-LBP on the NE causes the loopback to be cleared. This requires a reissue of the ACT-LBP on the FE. To avoid this type of collision, the user must check the LINK state by performing the rept-stat-slk:loc=xxx:link=yyy. This command should show a failure of "REPT-LKF: remote NE loopback". If this is the case, then it is possible the FAR END issued an ACT-LBP. In this case, coordinate LFS testing with the operator at the FAR END.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
61519		3	Resolved	Defer	Large safety values can cause bus congestion	The potential for this problem has been around since the HMUX was introduced into the field. It was only with the recent testing in release 35 that the problem was detected. This has not been seen in the field.
74455		3	Resolved	Defer	Upgrade action=convertstp failure due to measplatform	This problem can only occur when the measurements platform feature bit is set and there are no MCP cards in the system. The workaround is to insert the MCP cards or to perform the upgrade's network conversion using the appl parameter.
74770		3	Resolved	Defer	RTRV-E1 column alignment off	Cosmetic flaw - no system impact.
83640		3	Resolved	Defer	no rept-stat-alm support for TPS_SS	There is no REPT-STAT-ALM support for the IP TPS device created in 31.6.
83796		3	Resolved	Defer	Telcordia - Telcordia – Missing TxR during adjacent restart before sending TRA and traffic	After Adjacent Restart completes, the adjacent node may not have the correct Point Code status and may send traffic to the EAGLE that would otherwise be send on an alternate Allowed route.
83835		3	Resolved	Defer	GWSUIM1062 CARD1316 INFO **** too large (L1113) is uninformative and misleading	This UIM does not give users any information on what it is. This comes out of the GLS card when it is trying to bind the GWS tables.
83900		3	Resolved	Defer	chg-ls for apcntype requires the links to be deleted	The chg-ls command for apcntype requires the links to be deleted while other parameters can be change by just having the links out of service.
84118		3	Resolved	Defer	STPOPTS table is not updated in RMS	Certain subsystems in the OAM rely on the RMS (memory resident) copy of stpopts. This could lead to minimal OAM impact. Most of the OAM uses the DMS (disk based) copy of stpopts. The workaround is to reboot the OAMs to refresh the RMS copy of stpopts. To date this PR has not been seen in the field.
88298		3	ReadyToTest	Active	link fails during congestion due to sltc failure	If the problem happens the card may have to be booted (init-card) to bring the link up.
88975		3	Resolved	Defer	HIPR BSU routing	The sending card will continue to send the BSU until the card that the BSU was lost on booted its COMM processor and BSU were allowed to complete their cycle. This condition will last only as long as it takes the COMM processor to boot. This condition has not been seen in the field.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
89294		3	Resolved	Defer	DSMs receive UDP broadcasts intended for MPSs as a broadcast side effect	DSM cards generate these multicasts that the peer DSM cards receive. The result is unnecessary waste of time and CPU cycles by all DSM cards to recover from receiving multicasts that are of no interest or use to the card. The handling of these messages consume a negligible amount of time and CPU cycles.
89679		3	Resolved	Defer	UALOG enhancements for SUA and M3UA	Logging of received M3UA/SUA messages on IPGWx does not record all parameters when the message is discarded. The additional parameter(s) that are not logged are of marginal use since the message type that is being discarded is logged and will be the primary method of debugging the interop issue. For ASP Failure, RC value included in trasmitted message would be more complete; however, ASP Failure is for all RCs so SG configuration can be consulted.
90227		3	Resolved	Defer	flash-card incorrect error code for HMUX/HIPR	The error for attempting to flash a HMUX/HIPR with the flash-card command should be E2212 "Card location specified is not valid for this command". This can result in the customer being confused on what caused the command to be rejected.
90304		3	Resolved	Defer	EAGLE DOES NOT REPORT SCCP CARDS THAT ARE NOT CAPABLE OF WARM RESTART	An attempt was made to warm restart cards which should not be warm restarted since their db levels were not correct. They soon booted with pvdl obits and began cold starting. At the time of the warm restart attempt the EAGLE did not indicate that the cards were not warm restartable.
90486		3	Resolved	Defer	init-sys:data=persist may not work if OAMs boot onto new gpl	If an init-sys:data=persist command is issued when a MO is in the MDAL and the EOAM on the MO is not the same as the one running on the EAGLE, warm restart data will not be valid.
90568		3	ReadyToTest	Active	Retransmission of IMF packets	
90891		3	Resolved	Defer	entering invalid prefix value for prefixnum 4 for Prepaid IDP Relay feature gives incorrect message	The error message returned is E4343 "Feature Prefix too long". This is not correct, the prefix is not too long, but rather the value is not a valid value. This error message is misleading. No real impact as the customer has valid values.
96369		3	Resolved	Defer	UI accepts "up arrow" in KSR mode before ctrl-a entered	In KSR mode (term=ksr, not F11) the command prompt processes the up-arrow event, shifting the command buffer back by one before the ctrl-a prompt is entered/available.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
96447		3	Resolved	Defer	ath CMT_MD.ASM on ccs7itu cards during 55.47.0 upg phs3	In the event that HCMIM cards and non-HCMIM cards are gpl downloading at the same time. Some non-HCMIM cards may fail the gpl download due to a timeout but will be successfully downloaded once the HCMIM cards are loaded. Some sev 1 errors indicating messages with an invalid destination subsystem number will also be output by the non-HCMIM cards.
96606		3	Resolved	Defer	SCTP pass command shows hidden characters if run from telnet terminal	No system impact. The output just shows tab characters.
96679		3	Resolved	Defer	Command recall on telnet terminal get confused when changing direction (up vs down arrow)	Minimal, the command recall will start going in the correct direction on the next press of the arrow key.
96769		3	Resolved	Defer	UAM 0084 Failed Channel info displays nothing	The user could receive an IP Connection Unavailable alarm without the Failed Channel indication being valid. It should immediately be followed up with an IP Connection Available message. Worst case scenario, the user would not know which channel failed.
96814		3	Resolved	Defer	SCM_UAM trouble when deleting links during collection period	This scenario will result in the failure to output alarms, which would disrupt element management tools such as NETBOSS from accurately depiction alarm status. This would require a re-sync when that mismatch is detected. Note: this would only happen in the case that: - a device has detected an alarm, - queued the alarm to be displayed, - and the device is removed PRIOR to the displaying of the alarm condition.
103196		3	Resolved	Defer	ISUP gateway screening not calling stop actions for IP7 cards	Customers cannot perform stop actions (copy, rdct, tlnp, etc.) on ISUP traffic based on ISUP gateway screening for traffic arriving on IP7 cards. Other screening mechanisms will work fine, and ISUP screening works fine on non-IP7 cards.
104535		3	Resolved	Defer	SEAS commands limit linkset names to 8 chars	SEAS commands issued for linksets with names longer than 8 characters will be rejected.
104625		3	Resolved	Defer	misleading output on copy-gpl from mo to standby	The first line of output says that the gpl is being copied "ON" the removable. According to the command manual the output should be: "COPY GPL: MASP B - COPY STARTS FROM REMOVABLE CARTRIDGE TO STANDBY TDM"

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
105314		3	Resolved	Defer	single DSM stopped taking updates	When RMTP communication fails for a single card, there is no obvious indication that the DSM is not taking updates. <WORKAROUND>The IP Connection unavailable alarm should alert the user that something is amiss, but these may get lost in dirty system. </WORKAROUND>
105480		3	Resolved	Defer	Telcordia - Level 2, 1._Timer T1 was measured at 23.94 seconds. Range is 40 – 50 seconds	No customer impact except level 2 timer T1 expires prematurely.
105986		3	Resolved	Defer	FIGTTLS- Incorrect value displayed for Spare PC in FTRA on UNIX machine	Incorrect display of point code data via FTRA.
106081		3	Resolved	Defer	Upgrade of group of cards too long when there are cards OOS	The upgrade can take longer than expected when cards are OOS isolated in the system. The delay is an extra 1 minute per card that is isolated.
106162		3	Resolved	Defer	OBSR: Wrong Error output for ent-gtt sel command	None: incorrect command error is output, it is not misleading, just different from the original command spec.
106174		3	Resolved	Defer	TST-SLK fails for M2PA and SAALTALI links	TST-SLK does not work on IPLIM. The user can use the ping command to accomplish the same functionality as the tst-slk command.
106214		3	Resolved	Defer	FIGTTLS - Trouble on module SIH_UTL during fallback procedure	UIM 1249 is still output but the information other than the opc is incorrect. Once the system is be returned to the source release the troubles stop.
106521		3	Resolved	Defer	Incorrect IP Address displayed in sctp pass cmd for multihomed association	Alias IP addresses are not fully supported in Eagle. The Eagle SCTP implementation uses the "from" address in the IP header of the SCTP heartbeat ack for determining which multihomed paths are active. When an alias is used at the peer, the "from" address in the heartbeat ack may not match the "to" address in the heartbeat. In short, alias IP addresses are not fully supported. The intent is to support multiple physical paths, which is working correctly in Eagle.
106578		3	Resolved	Defer	REI 34.3 : Severity 1 reported on IPSM card	Minimal customer impact. The trouble is generated during an init operation and there is no loss of function.
106668		3	Resolved	Defer	EMP doesn't change CLLI after chg-sid	Can cause loss of MSU copying to Sentinel since you have to either boot or turn EISCOPY off to get the CLLI to change.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
106791		3	Resolved	Defer	Traffic loss on IPLIM with mix of TALI & M2PA	Due to obscurity of setup (mix of TALI & M2PA, max traffic rate, activating/deactivating links while opening and closing associations) and difficulty of reproducing, this problem is very unlikely to occur in the field.
107100		3	Resolved	Defer	BCAST.C trouble and inconsistent card database alarm found during upgrade from 31.6.11 to 34.3	Minimal system impact since this problem only occurs during a removable based upgrade which is hardly ever used. The incoherent DB can be fixed easily with a restore operation from the MO cartridge.
107153		3	Resolved	Defer	NTP_ULT.C on ILAs post short NTP outage	<p>The trouble is indicative that the timestamp value for the ILA card has slammed, i.e.: jump ahead/back an unexpected amount of time.</p> <p>The trouble occurs because when NTP server updates do not come to the EAGLE often enough for a sufficiently long period of time (several minutes) and the coarse clock on the ILAs used to check the range value of the timestamps drift excessively to be accurate. Since timestamps are derived from the TSC clock, they should still be accurate.</p> <p>The problem is corrected once the NTP broadcasts to the EAGLE resume</p>
107505		3	Resolved	Defer	FFGTLS: RTRV-TBL-CAPACITY	RTRV-TBL-CAPACITY will reflect only partial impact. Two tables are involved: RPC3 - old PC+SSN based MAP data and new MAP table. If FGTLS feature is enabled, then old RPC3 does not reflect actual usage / capacity. Also impacted by XMAP feature
107960		3	Resolved	Defer	TELCORDIA-MOBR- Both TCRs concerning SPC (a nested cluster) and TFRs concerning SPC1 (FPC member in the nested cluster)	Duplicate network management information. All information is correct, just extra messages to be processed.
107980		3	Resolved	Defer	Failover of active ELAP causes dsm's to go Inconsistent	Other than minor alarm: none. Condition clears when high rate provisioning subsides. No traffic or RTDB is affected, DSM are more than one level behind after fail-over and can not catch up with provisioning rate.
108025		3	Resolved	Defer	EOAM boots on entering ent-bp command with bc > 96	Maximum supported data dump is 96 bytes, which is supported by the command. It is only if the specified number of bytes to dump exceeds the supported maximum that the problem occurs.
108214		3	Resolved	Defer	OBSR: GTT UIM not printing to terminal	Terminal with excessive output being displayed may fail to output a UIM to the terminal. No other system impact.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
108242	Y	3	Resolved	Defer	SS7 over IP M2PA link (not HSL/ATM). UIM needs updated.	The current class implementation displays SAAL as link CLASS for all the IP7 link types which includes M2PA for IPLIM and M3UA for SS7IPGW for reporting.
108252		3	Resolved	Defer	VSCCP card obits after set-time and measurements boundary	Only if the set-time command is used to change time to HH:59, rather than HH:58 can VSCCP card(s) boot with obits. This does not seem to happen at the 30 min boundary (eg 7:30), only the hourly boundary (8:00).
108297		3	Resolved	Defer	Telcordia - 34.0 audit - NCR: Missing TFR broadcast for FPC Member When Moving from Prohibited to Restricted Status	IMPACT: This will unnecessarily delay the restoration of traffic to SPF1, until the adjacent node sends a route-set-test (RST) message.
108298		3	Pending_Investigation	Active	Telcordia - 34.0 audit - NCR: Unexpected Response-TCR when Secondary Route Changes from Prohibited to Restricted	This will unnecessarily delay the restoration of traffic to the adjacent node, until the adjacent node sends a route-set-test (RST) message.
108444		3	Resolved	Defer	Table Copy does not handle multiple remote copy operations	Minimal system impact. Presently it is left up to the applications to retry remote table copy operations. This issue has never been seen in the field.
108520		3	Resolved	Defer	Telcordia - 34.0 audit - Unexpected TFA Broadcast	Sending unnecessary network management messages results in inefficient use of network resources.
108551		3	Pending_Review	Monitor	Telcordia - 34.0 audit - EAGLE sent duplicate messages following changeback	Duplicate messages will be discarded at the remote end; however require processing resources not expected during normal situations.
108552		3	Pending_Review	Monitor	Telcordia - 34.0 audit - Redundant TFA Broadcast	IMPACT: Sending unnecessary network management messages results in an inefficient use of network resources.
108556		3	Resolved	Defer	Telcordia - 34.0 audit - TFR sent when alternate route becomes prohibited. (not an ITU specification)	This results in unnecessary use of network resources and may allow backrouting in this scenario.
108566		3	Resolved	Defer	Full Restart aborted if link aligned during loader timeout	If a user manually activates a deactivated link via act-slk to end the node isolation, then full restart does not occur even though the node was isolated for TimerIsolation. The TimerLoader is a function of the number of OOS-MT cards in the system, so you get different time windows for aborting full restart depending on the number of OOS-MT cards present.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
108611		3	Resolved	Defer	RANDSLS feature missquences MSUs	This may result in message mis-sequencing.
108970		3	Resolved	Defer	M3UA - Telcordia - The Eagle does not fully support the n+k redundancy model	N+K redundancy model is not supported for IPGW M3UA/SUA when N is greater than 1. So an AS will be considered active once the first ASP that is provisioned to serve it becomes active.
108972		3	Resolved	Defer	M3UA - Telcordia - The Eagle does not support the Broadcast traffic mode type	M3UA/SUA does not currently support Broadcast AS traffic mode as specified in draft-ietf-sigtran-rtc3332bis-02 Section 3.7.1. This is a non-compliance issue.
108988		3	Resolved	Defer	E5-ENET: Misleading "FAILED: INACTIVE BLBIOS INUSE"	Minimal. The error response is misleading and refers to blbios instead of blbepm. The flash command is still rejected properly.
109130		3	Resolved	Defer	MTP3Issue16-FMR- Telcordia - FMR: TRAs are prematurely sent on the IPVHSLs during T24.	IPLIM may terminate full restart before completing broadcast, so adjacent nodes may begin to send traffic before all preventive messages are sent.
109145		3	Resolved	Defer	Tekelec MTP2 Report -Telcordia-Link Removed From Service Prematurely When Oversize MSU Causes Octet Counting	The E5 E1T1 card will remove a link from service prematurely after receiving a 280-octet MSU immediately followed by 5 BAD 250-octet MSUs.
109146		3	Pending_Review	Monitor	ITEM #4- Telcordia - : Duplicate SLTMs Sent Upon Alignment	None. The second SLTM will be discarded by the receiving node.
109176		3	Resolved	Defer	E5-ENET- TELCORDIA - The E5-ENET card sent an XCOO on the second link after receiving an LSOS, ABORT, or SHUTDOWN message dur	No customer impact. Changeover will occur if processor outage lasts too long.
109267		3	Resolved	Defer	E5-E1T1 After warm or cold reset links status changes to remote loopback	This problem only occurs after a warm restart (inh-card, alw-card), and if it occurs it will occur prior to any links on the card coming back into service. Issuing an init-card command, or otherwise resetting the card, will resolve the problem. Since any links on the card had already been taken down prior to this problem occurring, this problem should not affect traffic.
109352		3	Resolved	Defer	SCCP_ITUN_iss1_first_msg_after_fail - Telcordia - 1._(ITUN) First Message After Failure Not Returned on Error.	First message does not get UDTS (return on error) when in congestion. Could not replicate in LAB.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
109376		3	Resolved	Defer	SUA_16_part2 -Telcordia - SUT Ignored SSN in Ordered Fragmented DATA Chunks	The SCTP SSN (Stream Sequence Number) is not validated by Eagle for received SCTP traffic. This lack of validation has no impact when the sender sends correct traffic. It may allow spurious messages when, as in this test, the sender send incorrectly numbered packets.
109531		3	Resolved	Defer	NO_CLLLI - Telcordia - After doing a chg-db:action=restore, init-sys, Eagle didn't send cli in VFY/FLT responses until chg-s	<p>Booting the active to cause a switchover will also correct the problem.</p> <p>There was no noted impact to SEAS command processing as a result of the missing CLLI.</p> <p>WORKAROUND: May be corrected by re-entry of the CLLI.</p>
109847		3	Resolved	Defer	Dynamic Database Audit blocks Medium Priority Task for > 500 ms	No operational impact. This only comes into play when we perform a DDB checksum send-msg.
109848		3	Resolved	Defer	Dynamic Database Crossload (DDL) blocks Medium Priority Task for > 500 ms	The customer may see TVG_HMUX.C or TVG_HIPR.C troubles while a (V)SCCP card is crossloading another card. This will not have any adverse impacts on the normal processing of the (V)SCCP traffic since they have priority over crossload.
109884		3	Resolved	Defer	MTP3Issue02-Telcordia- Improper incrementing of FSN during SIOS transmission	None. During changeover, the LSSU FSN was 1 greater than expected. The LFSN in the COA would simply request the missing MSU, so no traffic loss should occur.
109886		3	Resolved	Defer	SCTP Init Issues10-Telcordia-1)_Error Cause was not included in the ABORT that was sent in response to an INIT or an INIT ACK	When an SCTP INIT containing an invalid parameter value is received, the resultant ABORT chunk sent by the Eagle does not include an error cause. This may make it more difficult to determine exact reason why the INIT is not accepted by the Eagle. No other adverse affects.
109887		3	Resolved	Defer	SCTP Init Issues11-Telcordia- SUT sent ABORT with incorrect T bit value of 0	When the Eagle receives an SCTP INIT with an invalid destination port number, it correctly responds with an ABORT chunk, but the ABORT chunk contains a T bit value of 0, indicating that it had a TCB. This is a minor non-compliance to RFC2960.
109888		3	Resolved	Defer	SCTP Init Issues12-Telcordia-3)_INIT with non-zero Verification Tag was accepted	Minor (and debatable) non-compliance to RFC2960. No other impact.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
109889		3	Resolved	Defer	SCTP Init Issues13-Telcordia-4)_ABORT contained Verification Tag set to 0	When an INIT contained an advertised receiver window credit set to 0, the number of outbound streams set to 0, or the number of inbound streams set to 0, the Eagle correctly responded with an ABORT, but the Verification Tag in the ABORT was set to 0. Likewise, when an INIT ACK was received with the number of inbound streams set to 0, or the number of outbound streams set to 0, the Eagle correctly responded with an ABORT, but the Verification Tag in the ABORT was set to 0. No customer impact. Minor SCTP non-compliance.
109890		3	Resolved	Defer	SCTP Init Issues14-Telcordia-5) ABORT was not sent for an INIT or an INIT ACK with an invalid stream value	When the SUT received an INIT with the number of outbound streams set to 1 or the number of inbound streams set 1, the the SUT did not send an ABORT, and continued with association establishment. Likewise, when an INIT ACK was sent such that the number of outbound streams was greater than the number of inbound streams in the received INIT, the number of inbound streams in the INIT ACK was set to 1, or the number of outbound streams was set to 1, the SUT did not send an ABORT, and continued with association establishment.
109891		3	Resolved	Defer	SCTP Init Issues15-Telcordia- 6) ABORT was not sent for an INIT with an invalid IPV4 address parameter	When an INIT contains an invalid IPV4 address parameter, the Eagle will not send an ABORT, and continue with association establishment.
109892		3	Resolved	Defer	SCTP Init Issues16-Telcordia-7) ABORT was not sent for an INIT containing host name address parameter	When an INIT contained a host name address parameter, the SUT silently discarded the INIT and did not send an ABORT.
109893		3	Resolved	Defer	SCTP Init Issues17-Telcordia-8)_SUT did not apply the back-off timer rule to Timer T1	When the Eagle did not receive an INIT ACK or COOKIE ACK in response to an INIT or COOKIE ECHO chunk, it did not double the value of Timer T1. SCTP RFC retransmission mode may not perform exponential backoff when retransmitting packets. Tekelec's default retransmission mode is LINEAR.
109894		3	Resolved	Defer	SCTP Init Issues18 Telcordia-9)SUT did not use T1-init timer value for COOKIE retransmission	When the Eagle did not receive a COOKIE ACK in response to a COOKIE ECHO chunk, it retransmitted the COOKIE ECHO chunk after 0.8 seconds, instead of waiting for the T1-int timer (1.0 seconds) to expire. This timer is tuned in Eagle to allow quicker connection establishment.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
109895		3	Resolved	Defer	SCTP Init Issues19-Telcordia-10) SUT did not send an ABORT for an INIT ACK with Intiate Tag = 0	Eagle does not send an ABORT in response to an INIT ACK with Intiate Tag = 0 but rather silently discards the INIT ACK without sending an ABORT. This is a minor non-compliance to RFC2960.
109896		3	Resolved	Defer	SCTP Init Issues20-Telcordia-11) SUT sent malformed ABORT for an INIT ACK containing host name address parameter	When an SCTP INIT ACK containing a host name address parameter is recieved by the Eagle, it correctly responds with an ABORT, but the ABORT is malformed – it does not contain padding bytes and the unresolvable address contains extra bytes before the address value. This is a minor non-compliance to RFC2960.
109897		3	Resolved	Defer	SCTP Init Issues21-Telcordia-12) SUT sent COOKIE ACK in response to a COOKIE ECHO with an invalid Verification Tag	Eagle does not verify the correctness of all fields in SCTP messages. This has no impact when interoperating with a correct implementation and improves performance.
109898		3	Resolved	Defer	SCTP Init Issues22-Telcordia-13) SUT sent incorrect INIT in response to an ERROR chunk with a stale cookie error	Incorrect handling of stale cookie error. Does not impact our ability to align and carry traffic.
109899		3	Resolved	Defer	SCTP Init Issues23-Telcordia-14) SUT send an ABORT in response to an OOTB COOKIE ACK	When the SUT received an “out of the blue” COOKIE ACK, it responded with an ABORT instead of silently discarding it.
109900		3	Resolved	Defer	SCTP Init Issues24-Telcordia- 15) SUT did not increment cookie lifespan when it received an INIT with a valid Cookie Prese	Our cookie lifespan is currently long enough to support the networks we support, so Eagle doesn't need it.
109901		3	Resolved	Defer	SCTP Init Issues25-Telcordia- 16) SUT populated the State Cookie Tie Tags in INIT ACK	Currently not impacting our ability to connect, but in the future might encounter an implementation that validates these fields.
109902		3	Resolved	Defer	SCTP Init Issues26-Telcordia- 17-17) SUT did not send an ERROR chunk when an invalid COOKIE ECHO chunk with an expired State	Not impacting our ability to align and carry traffic. This is an issue with validation of invalid packets.
109903		3	Resolved	Defer	SCTP Init Issues27-Telcordia-18 18) SUT sent an ERROR chunk when a valid COOKIE ECHO chunk with an expired State Cookie was received	When the SUT received a valid COOKIE ECHO chunk containing an expired State Cookie, the SUT sent a “Stale Cookie” ERROR chunk. There is no impact on our ability to align and carry traffic.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
109904		3	Resolved	Defer	SCTP Init Issues27-Telcordia-19) SUT did not send an ABORT in response to an INIT ACK without a State Cookie	When the SUT received an INIT ACK without a State Cookie, the SUT did not send an ABORT. Instead the SUT only sent an ERROR chunk. No impact on ability to align and carry traffic.
109905		3	Resolved	Defer	SCTP Init Issues28- Telcordia - 20) SUT sent ABORT with with an incorrect T bit value of 1	When the SUT received an INIT with an Initiate Tag set to 0, the SUT correctly responded with an ABORT chunk, but the ABORT chunk contained a T bit value of 1, indicating that it did not have a TCB. No impact on ability to align/carry traffic.
109906		3	Resolved	Defer	SCTP Init Issues30 -Telcordia- 1) SUT does not use exponential back-off for heartbeat RTO	The Eagle did not use exponential back-off of the RTO when sending HEARTBEATs for which it did not receive HEARTBEAT ACKs. SCTP RFC retransmission mode may not perform exponential backoff when retransmitting packets. Tekelec's default retransmission mode is LINEAR.
109907		3	Resolved	Defer	SCTP Init Issues31-Telcordia-2)_SUT sent HEARTBEAT ACK in response to a HEARTBEAT without the Heartbeat Info parameter	The Eagle responded with a HEARTBEAT ACK when it received a HEARTBEAT that did not contain the heartbeat info parameter. No impact if a correct heartbeat request is sent. The ACK merely copies what's in the heartbeat request.
109908		3	Resolved	Defer	SCTP Init Issues32-Telcordia- 3) SUT Sent Heartbeat after receiving an ABORT chunk	When the Eagle was in the Established state and received a DATA chunk bundled with an ABORT chunk for the existing association (DATA was first chunk, ABORT was second chunk), the Eagle responded with a Heartbeat chunk. RFC states. DATA chunks MUST NOT be bundled with ABORT. A correct implementation would not send this packet.
109909		3	Resolved	Defer	SCTP Init Issues33-Telcordia-4)_SUT Sent COOKIE ACK after receiving an SCTP packet containing both a COOKIE ECHO and an ABOR	During association establishment, after the Eagle sent the INIT_ACK, and received a COOKIE ECHO bundled with an ABORT chunk (COOKIE ECHO was first chunk, ABORT was second chunk), it responded with a COOKIE ACK chunk before aborting the association. There is no customer impact due to the fact that Eagle does not validate that an ABORT is not bundled. Connection will still terminate.
109910		3	Resolved	Defer	SCTP Init Issues34_ Telcordia-5) SUT resent SHUTDOWN ACK before T2-shutdown timer expired	When the Eagle was in the SHUTDOWN-ACK-SENT state, it retransmitted the SHUTDOWN ACK before the T2-shutdown timer expired. Eagle uses shorter timers than the default RFC timers in order to improve timeliness of events including shutdown.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
109911		3	Resolved	Defer	SCTP Init Issues35-Telcordia-6) SUT did not apply the back-off timer rule to Timer T2	When the Eagle was in the SHUTDOWN-ACK-SENT state, and did not receive a SHUTDOWN COMPLETE in response to a SHUTDOWN ACK, it did not double the value of Timer T2. In addition, the STP only retransmitted the SHUTDOWN ACK Association.Max.Retrans -1 times. Eagle supports multiple retransmission algorithms for improved performance. The default does not match the RFC, but RFC algorithm is supported.
109912		3	Resolved	Defer	SCTP Init Issues36-Telcordia-8) SUT sent ABORT with wrong error cause in response to a DATA chunk without the User Data param	There is no impact when interfacing with a correct implementation. If Eagle receives a packet with no user data in error, Eagle will send back the wrong error cause.
109915		3	Resolved	Defer	SCTP Init Issues38- Telcordia - 10 SUT sent ERROR chunk with Verification Tag value of 0 and a SACK with incorrect cumulat	When the Eagle received a DATA chunk with an invalid stream identifier, it responded with an ERROR chunk containing a Verification Tag value of 0 and a SACK with an incorrect cumulative TSN value. Eagle does not validate stream identifier. There is no impact when an implementation sends correct data.
109916		3	Resolved	Defer	SCTP Init Issues39-Telcordia- 11) ABORT is not sent in response to a DATA or SACK chunk when no association existed	When the SUT received a DATA or SACK chunk from an endpoint for which no association existed, it did not send an ABORT. No impact when interfacing with a correct implementation.
109917		3	Resolved	Defer	SCTP Init Issues42-Telcordia-14) SUT did not use the back off timer for data retransmissions	When the Eagle did not receive a SACK for a transmitted DATA chunk, it retransmitted the Data chunk after the T3-rtx timer. However, when the Eagle still did not receive the SACK, for subsequent T3-rtx timer expirations it did not double the value of RTO. SCTP RFC retransmission mode may not perform exponential backoff when retransmitting packets. Tekelec's default retransmission mode is LINEAR.
109918		3	Resolved	Defer	SCTP Init Issues46-Telcordia-18) SUT did not retransmit an unacknowledged DATA chunk Association.Max.Retrans times	When the Eagle did not receive a SACK, it did not retransmit the DATA chunk Association.Max.Retrans times. We retransmit 1 too few times. In practice this is not an issue, since we retransmit enough times to guarantee we can meet our performance requirements.
109954		3	Resolved	Defer	Card 2205 Module BCAST.C Line 1767 Class 01b1 Severity 1	The sev1 message is generated when a card is attempting to broadcast invalid data to other cards within the Eagle. There is no system impact.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
110004		3	Resolved	Defer	SEAS- Telcordia- Item 12 - P_SYSTOT – originated MSU count and octet counts should be the total from all links	SYS_TOT originated MSU count and octet counts should be the totaled from all links but instead reported ORIGMSUS and ORMSUOCT. This is limited to IPGW cards only.
110004		3	Resolved	Defer	SEAS- Telcordia- Item 12 - P_SYSTOT – originated MSU count and octet counts should be the total from all links	SYS_TOT originated MSU count and octet counts should be the totaled from all links but instead reported ORIGMSUS and ORMSUOCT. This is limited to IPGW cards only.
110007		3	Resolved	Defer	IPDA: UAM #478 reported rather than #479 for processor congestion clear due link not monitored	Alarm# 477 (Congestion: Copy Function De-activated) may be cleared with clearing alarm #478 (Copy Function Activated) instead of clearing alarm #479.
110117		3	Resolved	Defer	IPLHC msucount shows RX higher than TX	No significant customer impact. The RX and TX msucounts (in the msucount pass command output) on either side of an M2PA link appear to be slightly inconsistent in some, but not all, cases.
110190		3	Resolved	Defer	Traffic rerouting (HMRT) blocks Medium Priority Task for > 500 ms	Customers may see a TVG_HMUX.C or TVG_HIPR.C trouble when this occurs. This will not cause any issues for normal processing.
110198		3	Resolved	No-Fix	IPS: Module sentry.c Line 375 Class 01c1 obit	Temporary lost of IP UI terminals. Card(s) recover automatically and occurrence is rare - seen only once and not repeatable.
110259		3	Resolved	Defer	Pass command "sctp -a <assoc_name>" displays incorrect local IP address as 0.0.0.0	The "sctp -a assocnam" pass command will display 0.0.0.0 for the local IP address for associations that are uni-homed locally on the Eth B interface.
110260		3	Resolved	Defer	IPLIM EDCM loses traffic during CO/CB with 150ms RTT and IP packet loss	SSEDCM / IPLIM cannot achieve sustained throughputs at very high RTTs (>~100ms) with large MSUs and when packet loss occurs in the IP network. RTTs supported prior to 35.0 (i.e. > ~70ms) are still supported under these traffic conditions.
110264		3	Resolved	Defer	E5-ENET: Congestion occurs with 0.025% packet loss on IPGHC	Packet loss in the IP network may cause IP connection congestion and potentially traffic loss when SCTP buffer sizes are within specified ranges for the RTT in TR005007. The congestion immediately abates without loss of the SCTP connection.
110302		3	Resolved	Defer	CSVGEN: China PC alias in an incorrect column	This affects China market only. Data is in incorrect column, so automated operation on data may misinterpret data.
110303		3	Resolved	Defer	CSVGEN: Invalid DOMAIN value in GTT for ITUN24	Only for China market for FTRA customers. DPCN24 values appear in the incorrect column, so automated tools may misinterpret data

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
110311		3	Resolved	Defer	init-card does not work after converttoam action	The customer is unable to continue the upgrade using the staged upgrade. If a customer used the staged upgrade (rather than convertstp) then to bypass this issue either the active OAM would have to be pulled and reseated or a send message could be used to boot the card.
110321		3	Resolved	Defer	FTA area going incoherent	System impact is minimal. An incoherent FTA can occur whenever an FTA operation is interrupted. It is easily cleared by issuing a dlt-fta:all=yes:force=yes.
110343		3	Resolved	Defer	Measurement platform has incorrect Message Relay and Queries pegs when PCs are initially added	With 16 Point Codes provisioned and transmitting to the Eagle AIN, IN, LiDB, CLASS, CNAM, ISVM, WNP, PCS, queries and Message relay both ported and non-porting. Also added were default GTT and LRN OverRIDE. For the first period of several hourly periods the MR requests were pegged as simply queries. In later hourly reports the MR pegs appear but queries on the same Point Codes are seen which were invalid. Also queries of ported and non-porting should be the same but are not. In later reports that night the reports clear up and the data for the message relay and LNP queries both ported and non ported are correct.
110352		3	Resolved	Defer	LNP measurements for SSP is not reported until the second hourly period after 15 minute measurements is turned	One or more measurement report transfers to the FTP server may be delayed until the next reporting cycle. There are no known deficiencies in the report once it has been transferred. Note that any report can be generated manually via the rept-ftp-meas command within the retention period for the desired report.
110409		3	Resolved	Defer	IPS: Intermittant need to init-card to get "all=yes" output to display	Occasionally customer may need to init the IPS card to update terminal output groups on IP terminals.
110550		3	Resolved	Defer	rept-stat-card cmd shows card type DCM instead of E5ENET	The rept-stat-card cmd reports card type = DCM if the card is DCM, reports card type = EDCM if the card is EDCM, and reports card type = DCM if the card is E5ENET.
110622		3	Resolved	Defer	SUA #8 - Telcordia - SCON Message Ignored by EAGLE	SCON message sent from M3UA/SUA ASP to Eagle is ignored. This is a known non-compliance and is being considered as a future enhancement to Eagle.
110635		3	Resolved	Defer	SCTP #9 - Telcordia - SCTP Heartbeat timer is not configurable	SCTP Heartbeat time is not configurable in Eagle. Default is 500ms + RTO.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
110639		3	Resolved	Defer	SEAS #9 - Telcordia - ADD-GTWYLS error reported 1 vs 2 digits of screen name when screen ref incorrectly begfan with a number	Screen references that start with a numeric value can not be provisioned. This will have minimal customer impact since an invalid screen reference was supplied in the SEAS command and the response contains the invalid portion of the command. The user would be able to diagnose that the screen reference is invalid and correct the command.
110881		3	Resolved	Defer	inh-trm/alw-trm sequence on IP terminal results in disconnection 1 minute later	The problem only occurs if the terminal is allowed and the customer telnets in within a minute of the terminal being inhibited. When this occurs the telnet session is dropped once, but stays up after the customer telnets back in.
110895		3	Resolved	Defer	Backspace/Corrections invalid when selecting an IP terminal for use with an Eagle	The customer is unable to enter backspace character when prompted for terminal number within a Telnet connection.
111208		3	Resolved	Defer	TVGEROUTE requester gets out-of-the-blue grants	The Eagle will sporatically loose a small amount of Eroute capacity in the system. The LIM cards will handle this loss of capacity correctly and ensure delivery of the SCOPY Packet.
111293		3	Resolved	Defer	E5 E1/T1 and HC-MIM - Module t4b_bm.c Line 365 Class 01c4 Obit after receiving a continuous stream of SLTMs	If a node interfacing with Eagle starts sending more than 1000 SLTM messages per second for a period of time, it can result in booting the card with obit "system run out of system buffer". By spec, the SLTMs are not to be sent that frequently so this should not occur.
111352		3	Resolved	Defer	SE-HSL Unchan port should not be allowed on a lime1 ss7ansi card	Mis-provisioning of ANSI SE-HSL link type is allowed. This configuration will not work and must be re-provisioned.
111359		3	Resolved	Defer	Queueing problems on IPS Broadcast Manager Task	The 'pass' command is a debug command. This issue could delay the diagnosis of an IPSM issue but otherwise has no system impact.
111405		3	Resolved	Defer	IMTPCI Card address audit detects that the APL card address has changed.	The problem is self-correcting since the HIPR broadcasts/re-broadcasts to each IMTPCI based card its correct IMT address, and the troubles indicating the address mismatch stop occurring after six to eight instances.
111451		3	Resolved	Defer	after init-sys node is no longer isolated alarm is not reported at correct time	The reporting of the alarm makes it look like the system was down longer that it truly was. The only way to know how long the system was down for would be to pull rept-stat-slk:l2stats=service for all the links in the system. This would be very time consuming especially for a 2000 link system.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
111624		3	Resolved	Defer	HC card putting out sev 1 trouble	This Trouble doesn't have any impact on the scopy functionality and is only seen under the following contions: 1. An HC-MIM card provisioned with 64 links. 2. Monitoring turned on and all the links are monitored. 3. Run 0.9 Erlang traffic. 4. Take couple of links down.
111634		3	Resolved	Defer	Module SUM_MGR.C Line 717 Class 0074 on VSCCP card	The trouble indicates that an malformed message was received by this card. It may be either a HW or SW problem, but it does not happen often at all and the system recovers gracefully.
111635		3	Resolved	Defer	mdb_mtls.c Line 828 Class 0284 Severity 1 on VSCCP cards	Extraneous ATHs flooding the terminals for a few seconds while loading VSCCP cards. Slightly longer time to load VSCCP cards due to linkset entries being reloaded unnecessarily. NOTE: There is NO ISSUE with the integrity of linkset tables or any other data on the VSCCP cards-- tables will all be correctly and completely loaded.
111693		3	Resolved	Defer	Medium priority tasks have insufficient monitoring	Medium priority processes can fail without notification, but traffic is still routed. Since none of the lower level process house-cleaning takes place, the card would behave erratically. Through other PR work, the design of congestion has changed, so that the outbound link now multicasts in high priority for increase AND decrease of congestion level. Thus, even if medium priority is not running, the danger of 'stuck in congestion' due to a source card having medium priority issues has been eliminated. There still may be a problem, but it should not affect congestion.
111748		3	Resolved	Defer	Module NTP_UTL.C Line 1337 Class 0001 Severity 1 after Init-sys on large system	This trouble was seen after an init-sys on a large system with over 10,000 TPS. No significant impact to the customer because the Sev 1 ATH clears itself as the system stabilizes after the init-sys.
111778		3	Resolved	Defer	LIMs can incorrectly broadcast INMs out of order and without using TVG grants	If initiated, the LIM cards may send internal network events out of sequence. The area of code that has this deficiency is only exercised during debug situations and will not occur during normal situations.
111783		3	Resolved	Defer	E5 E1/T! cards output ntp_utl.c trouble	The Sev 1 errors will flood the user's terminals until the error clears as the system stalbilizes after switchover.
111787	Y	3	Resolved	No-Fix	Unable to delete cluster route; Command Error:"Last route to DPC in use by GTT"	Customer is unable to delete a cluster route from the EAGLE. Per the EAGLE the last link in the route is in use by GTT but the after retrieving the GTT tables neither a cluster member or the C-LINK is referenced by the GTT tables.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
111903		3	Resolved	Defer	Private OPCs should not be provisionable in gserv-data table	Since an external MSU will never have a private point code, customers should not be able to provision the private OPC in the gserv-data table since it will never be used. There is no harm in provisioning it, but it could be misleading to a customer.
112070		3	Resolved	Defer	Sev 1 trouble CMT.ASM line 2325 during Eagle 34.2 to 35.1 upgrade	The system issues the troubles and appear to recover; no other adverse effects have been observed. The upgrade still completed successfully.
112110		3	Resolved	Defer	Module NTP_UTL.C observed on GPSM cards	No significant impact to the customer because the Sev 1 ATH clears itself as the system stabilizes after the init-sys.
112203		3	Resolved	Defer	MPL generates L2_MGR Debug ATH when in congestion	None, the MSU is discarded, and the Sev 2 error message will show up on customer display only if they have debug on.
112249		3	Resolved	Defer	GWS UIM 1100 "GWS rcvd H0/H1 that is not allowed" has invalid info in AFTPC for RCT msgs	AFTPC info could be misleading if craftsperson is investigating this particular GWS problem.
112377		3	Resolved	Defer	Init -card appl ccs7itu causes trouble Module FPB_UTL.C	A trouble is output instead of a UIM. The trouble may misdirect the customer to a software problem instead of a BIP problem. This problem is much less likely in the field since all cards that are in the field are properly BIPPed by manufacturing.
112388		3	Resolved	Defer	Deleting last entry in sccp-serv causes Module gtt_oai.c Line 6429 trouble	Mainly this nuisance trouble which indicates the routing status for the entry is unknown, but given that the LAST entry is being deleted for the sccp service, then functionally there is no impact.
112536		3	Resolved	Defer	SEAS Data Collection Commands cause uplu_mgr and uplo_mgr trouble	The SEAS measurements commands are not intended to work with the 15 minute measurements feature, so these commands will not be functional in this case. An unexpected ATH may however be generated, but any output indicating the actual problem will likely not occur.
112547		3	Resolved	Defer	RX MTPP counts not pegged for M3UA	The pegs for IPGW M3UA/SUA connections that are receiving SNMs that are being discarded does not show up in the "MTPP" portion of the MSUCOUNT pass command output. Instead it is pegged in the "Received PDU Error" count.
112653		3	Resolved	Defer	during loading cards reboot with ddl_mtp.c obit	This obit may occur during upgrade, but it will not be persistent. A card may obit, then will succeed in loading on the next attempt.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
112906		3	Resolved	Defer	aud_oam.c troubles after copy-gpl command executed	No customer impact. The gpl audit will continue and properly compare the calculated checksum with the checksum in the gpl trailer during the next audit cycle.
112920	Y	3	Resolved	Defer	Telcordia - Eagle not reporting congestion abatement in a timely fashion (about 175 ms too long)	TFCs are generated a few hundred milliseconds longer than necessary during abatement procedures of local link congestion. Determination of local link congestion is largely an implementation detail and hidden from the customer, so from a field perspective it would be almost impossible to detect this condition (especially since enhancements have changed this from multiple seconds to < 1/2 second). A lab (e.g. Telcordia) environment where the time between L2 acking drops the link out of congestion until TFCs stop generation can show this problem, but without timestamping test equipment it would be nearly impossible to detect.
113030		3	Resolved	Defer	misleading output text if copy-disk command executed on TDM with incoherent FTA area	No system impact. The copy-disk command continues even though the FTA area was incoherent. Output text is misleading.
113110	Y	3	Resolved	Defer	MSUs are timestamped incorrectly for EAGLE Integrated Monitoring Solution	MSUs are not passed to the Integrated Monitoring Solution in the same order they are transmitted and received. This impairs the ability to monitor MSUs in the correct order. Additionally, this also impairs the products downstream from being able to accurately correlate CDRs.
113224		3	Resolved	Defer	MRN OAI layer robustness	The customer would not know if they are having MRN table read failures or entry not found situation.
113266		3	Resolved	Defer	rtrv-gpl causes gplm2.c severity 1 and causes the release to go unknown	This results in an incomplete rtrv-gpl report. The problem is corrected in a few minutes. Retrying the rtrv-gpl command will be successful.
113551		3	Resolved	Defer	IPLIM card generating Module iplim_m2pa_s severity 1 messages when far end fails the link	An ATH is issued by M2PA when the link fails before proving completes. There is no operational impact.
113837		3	Resolved	Defer	DISP-TRACE command does not display all entered traces.	Minimal customer impact. The customer will only be able to enter in 9 active trace requests instead of 10.
113858		3	Resolved	Defer	IPDA: EMP Doesn't report event for lost assoc or lost link align until conditions go away	When the SCTP association for an M2PA link fails, the IMF receives Eagle alarms about the connection/SLK failure but does not receive any EMP link events until the association is restored and the M2PA layer attempts to re-align the link. This can cause delayed reporting of M2PA link failures by IMF.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Dispo- sition	Title	Customer Impact
114009		3	Resolved	Defer	IPLHC boots with itx_mgr	Under heavy traffic load, and most likely during changeover/changeback scenarios, E5-ENET card may boot due to excessive IMT ack delay on cards they are delivering traffic to. Investigation of this problem is still underway.
114025		3	Resolved	Defer	EMP/SCOPY congestion in normal conditions	Integrated Monitoring feed from Eagle to IMF congests and loses monitored MSUs when running within engineered capacities.
114356		3	Resolved	Defer	rept-stat-user output misaligned for longer commands	None, in the output of rept-stat-user notice that the command rept-stat-appsock causes the "IDLE" text to be misaligned.
114678		3	Resolved	Defer	routing of a SAFETY packet with a CRC error	The likelihood of this PR occurring is extremely rare. Should it occur, most likely no one would realize that it even occurred. It would have to occur many (5 or more??) before it would have an effect on the Eagle system. Even then it would only affect the IMT bus that had the problem.
114694		3	Resolved	Defer	Resultant GTA length greater than 21 is accepted	Though the UI misses this check, the Eagle discards those MSUs (GTA >21 digits), as described in Feature Description document. Hence no system impact.
114740		3	Resolved	Defer	Module iplim_m2pa_s Line 1163 and Line 2504 Class 0001 reported during upgrade phase 3	iplim_m2a_s ATHs may occur during link transitions on M2PA links. These ATHs should be very intermittent and are benign.
114886		3	Resolved	Defer	Reroute failures on ITU IPGW links	With multiple link IPGW linksets, there is the potential to discard traffic when there are no active M3UA/SUA connections to the M3UA/SUA Application Server on a subset of the IPGW cards in the linkset even though the SS7 links on these cards are still IS-NR. A high number of IPGW cards in the linkset (max is 8) with a low number cards which have no active connections is the worst case scenario. Also, ITU and 5-bit ANSI traffic has higher loss potential since a smaller SLS range in the traffic presented reduces loadsharing equality. The discards occur on the cards which have no active M3UA/SUA connections when attempting to double-hop the traffic to other cards which do.
114900		3	Resolved	Defer	Peg for NETSTAT -p SCTP command - # of order chunk received and # of unordered chunk receive is wrong	Netstat pass command pegs will include duplicates packet in the the received data chunk count even though the pass command text description indicates it is not included. This cammand information is generally only used for debug purposes.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
114951		3	Resolved	Defer	Reduce number of status messages from UDP to EPDL	If the UDP socket is not responding, the UDPV task sends many unnecessary status messages to the EPDL task and if the EPDL is not processing the messages fast enough, the message queue could fill up and possibly cause the card to boot. This has never been seen in the field.
114974		3	Resolved	Defer	UIM1185 log states "GTI Status Register". Should state "GTI Clock Status Register"	No system impact. Output could be slightly misleading to the troubleshooter if they are not aware of the output anomaly.
115011		3	Resolved	Defer	EROUTE TVG is not maintaining same-shelf-grant with HC-MIM SE-HSL	With HIPR on the shelf, EROUTE should perform same-shelf-grant up to max 6000 TVG per STC, with a limit of 30 TVG per 5 msec, however, this assumption holds true only if the traffic is uniformly distributed over a period of 1 second. In cases where traffic is bursty in nature then request can spill over to the other cards. This condition DOES NOT result in copied MSU discards.
115025		3	Resolved	Defer	RTRV-LS CSV file displays incorrect entries for ANSI Point Codes.	CSV (from FTFA) output does not match Eagle rtrv. Columns misaligned with data.
115038		3	Resolved	Defer	undefined msg: E4365	Undocumented error (command Reject message) will cause customer confusion as to correction.
115101		3	Resolved	Defer	Update Telcordia references	Manual references to Telcordia documents show down-level versions. No customer impact.
115112	Y	3	Resolved	Defer	tst-imt command produces inconsistent results	tst-imt command provided no useful results to help resolve an IMT issue.
115253		3	Resolved	Defer	t4b_bm.c Line 365 on 25% HCMIM LSL post an init-sys	While a HCMIM card is booting up (after a init-sys), it may boot again. The only impact is a potential delay in the HC MIM card going inservice.
115319		3	Resolved	Defer	SCCP Loop Detection - Telcordia - chg-loopset allows duplicate point code to be entered	Duplicate point codes in a loopset entry - waste of loopset point codes. Minimal customer impact.
115378	Y	3	Resolved	No-Fix	AIN queries to STP failing, returning UDTS No Translation found	Roughly 30% of AIN queries were failing.
115414		3	Resolved	Defer	Rept-stat-card:mode=full command fails to complete on HCMIM w/64 links with echo active	Command session control is not closed on a terminal. This hangs the terminal until a cancel command is issued. The problem only occurs while echoing to another terminal and there is a simple recovery from the issue (canc-cmd).

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
115541		3	Resolved	Defer	APCR: PC not marked CRD-Prohibited for CLUSTER PC entry.	A cluster point code (example 3-3-*) has been configured on a Linkset with an adjacent full PC(3-3-1). If a another full PC in the cluster (3-3-2) is marked as CRD-Prohibited that PC is not shown as an X-LIST entry. Instead 3-3-0 is shown as X-LIST entry. The impact is that the inaccurate output of the rept-stat-xlist command could be confusing.
115559		3	Resolved	Defer	When backing out from 35.6 to 34.x ath_hw.c Line 266 ATH Sev 1 troubles occur	During a backout situation the SLAN and VXWSLAN cards will report a phantom issue with the daughterboards during Mother Board processing. However the MB still seems to be processed fine.
115658		3	Resolved	Defer	unlock command with no password entry and closing terminal locks the terminal until OAM boots	If users type the unlock command and do not enter the password in, and then close the terminal. That terminal is forever locked (Authority Violation error) until the active OAM boots.
115736		3	Resolved	Defer	Logic error in radb_mcm reissuing GPORT alarms as MNP.	The failed logic is a minor problem since if the reissuing is called and not needed the called function will NOT issue alarms unless actual alarms exist. Likewise, if the call to reissue the alarm should have been made and was not, the next poll cycle for SCCP alarms will raise the new MNP alarms. The latency for the next polling cycle to process the new MNP alarms is milliseconds and should not be discerned by observation, thus there should be no CSR propagated from this logic error.
116125	Y	3	Pending_Review	Defer	UIMS not generated when Sentinel Sockets are going down	
116151		3	Resolved	Defer	tst-imt causes HIPR to indicate a shelf address error	The MOPs which instruct customers how to replace HMUX and HIPR cards indicate the IMT bus should be inhibited when the new mux card is installed. The MOPs also indicate a tst-imt command should be run prior to allowing the IMT bus. If the tst-imt command is run prior to the shelf LED turning GREEN (about 68 seconds), then the shelf with the new mux card may experience this problem. The customer would have to reseal the mux card and wait for the LED to turn GREEN to resolve the issue. Since the other IMT bus is fully operational through all this, and personell must be on-site to replace the mux card, this is a minor PR.
116363		3	Resolved	Defer	APCR : Module NTP_UTL.C Line 1337 observed on Rel 56.47.0	Trouble may appear periodically but clears itself . The data on the troubles indicate that the TSC clocks were not operating.
116499		3	Resolved	Defer	EIR is not counted as an MPS-required feature when enabling other MPS-required features	When other MPS-requiring features (G-Port, etc.) are enabled with EIR, the DSMs go DB-DIFF, when they do not need to. This requires the cards to be restarted, even though the EPAP connection is already present.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
116617		3	Resolved	Defer	SIO is not reported in a consistent manner across UIMs (hex vs decimal).	No system impact, just a small fix to update the display of the SIO field from decimal to hex in a UIM.
116685		3	Resolved	Defer	Card state transitions to IS-ANR restricted at Thermal Alarm T1.	No system impact. The card state would just reflect an Inservice abnormal condition while at T1. No loss of functionality will occur until T2.
116699		3	Resolved	Defer	Card to Card UA associations are seeing UIM 1333 - IPGW TX MSG DISCARDED for SNM messages	IPG should not submit SNMs to the L2 routing key algorithm for transmit unless there are TALI sockets in use. SIGTRAN associations cannot transmit raw SNMs, instead they must be converted to UA SSNMs, and this is done in the MTPP subsystem, not in the normal transmit path. Customers will only see the UIM for card to card associations.
116718		3	Resolved	No-Fix	The LocReq Response message received from Eagle contains the MSCMKTID bytes flipped	Configure the two byte MSCMKTID in IS41OPTS with swapped bytes.
116771		3	Resolved	Defer	Lvl1 Severities MPRM_SR.CPP and TC_RCPY.C are observed on EAGLE	No loss of data occurs. The Sev 1 errors reported in the test scenario are only raised when hourly maintenance reports are getting printed on the console and Measurement Tables are about to be FTP'd. Moreover, they are not raised on every such scenario.
116886		3	Resolved	Defer	Telcordia - congestion related measurement pegs need better discription	The measurement description in the documentation for the following congestion related pegs need to be clarified: ECCNGLVX MSUDISCX
116908		3	Resolved	Defer	adl_mgr.c obits occur when booting DSMs	All DSMs that exhibit this obit reboot and attempt a reload. They usually load on the second attempt. This appears to be happening during OAM table loading before ever trying to load the RTDB.
116910		3	Resolved	Defer	SCCP Loop Detection - Telcordia - gta parameter ignore if loopset parameter specified in rtrv-gta	Additional, but probably unexpected output. Customer may assume that specifying both parameters will provide a subset.
116912		3	Pending_Inv estigation	Active	SCCP Loop Detection - Telcordia - chg-trm:gtt=no does not stop the SCCP Loop detection UIMs	Customer cannot filter UIMs by group, minimal customer impact.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
116984		3	Resolved	Defer	SSH - Telcordia - after command timeout on telnet terminal typing a new command recalls timed out command	Editing long commands using the arrow keys to navigate through the command can lead to erroneous command input on telnet terminals. The workaround is to backspace to the location of the problem and re-enter the command from that point
117260		3	Resolved	Defer	Action is not valid when FORBID=NONE in (E)GMS feature(s)	When Forbid=NONE, protocol doesn't care about the action data. The MSU will just be routed. Since Action param takes a default value as DISCARD, it may mislead the user when FORBID=NONE in RTRV-GSM MAP-SCRN response.
117356		3	Resolved	Defer	Telcordia - 35.0 audit - NCR: RSPs Concerning Prohibited PCs within nested clusters not sent immediately when TCR received	When a TCR concerning a nested cluster is received, the Eagle does not immediately send RSPs concerning the prohibited full point code routes. This could delay the Eagle from providing proper PC status.
117515		3	Resolved	Defer	MPL GPL downloaded to E5 card	Minimal system impact. This is caused by an incompatible card being placed in a slot provisioned as LIMDS0 type.
117539		3	Resolved	Defer	MOBR- 2 port cards are not detected by MOBR when enable-ctrl-feat is performed.	When a customer enables the FAK for MOBR and does not turn on the feature using the chg-ctrl-feat command, the enable-ctrl-feat command is accepted when there are 2 port ILA/EILA cards provisioned in the system. If these cards boot they will come up in a auto inhibited state. The MOBR feature should not be allowed to enable or turn on if two ports cards are provisioned.
117553		3	Resolved	Defer	rept-stat-iptps:lsn=ls00xyz reports data for inhibited cards	If an IPGW card is inhibited, the card will continue to report "TPS" counts in the "rept-stat-iptps:lsn=ls00xyz" command if the user specifies a linkset. If the Linkset is not specified, the report is accurate.
117706		3	Resolved	Defer	SCP TPS Sev 1 trouble when issuing a REPT-STAT-IPTPS when not linksets are provisioned.	No customer impact as it only occurs when there are no linksets provisioned in the Eagle.
117782		3	Resolved	Defer	Auto inhibition code is broken	No impact. Several other cards in the system work this way. If the wrong card is inserted in a slot provisioned for another card type, they typically boot.
117864		3	Resolved	Defer	RTRV-SECULOG displays an invalid month.	Minimal impact. The security log can be retrieved using methods other than time/date.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
117905		3	Resolved	Defer	Copy-Disk command reject description is incorrect.	Minor confusion as inhibiting measurements must be research to track the replacement command: chg-meas:collect=off. The inh-meas command was obsoleted years ago.
117906		3	Resolved	Defer	rtrv-map and rtrv-tbl-capacity commands show different table sizes for MAP.	Mismatched results between related commands: Rtrv-tbl-capacity appears to be incorrect.
117923		3	Resolved	Defer	E5-STC: Unexpected STC Network Unavailable post Physical Link Restore	On an E5-STC with one Active Port A0 and one Inactive Port, say B0. If inactive port, B0 is restored then - STC Network for active port A0 becomes unavilable and available. Alarm "STC Network Unavailable" and "STC Network available" for the active port will be seen. - In high traffic scenerio, when 80% Max TVG capacity of the active card is being used, when the STC network gets unavilable for some time for both ports of an EROUTE card(as metioned above), the LIM sending traffic through the correspondng STC could be denied EROUTE service for that interval of time, which is the reason for UAM 482.
118011		3	Resolved	Defer	Code loading multiple card types of the same loading priority when one card type has problems can block cards from loading	This problem occured when the upgrade terminated while the flash images were downloading on HCBlade cards. The upgrade attempted to return those cards to IS-NR. The cards kept booting because the upgrade terminated before completing the downloading of the target-release flash images. So the cards were attempting to load the target-release application GPLs while still running on the source-release flash GPLs. The work around is to complete the flashing of these cards. If the cards are properly loaded with the latest flash gpls the problem did not occur.
118016		3	Resolved	Defer	Array for m_num_chars_per_format[] has not been maintained	In cases of very heavy output, the UIM output may loose characters due to improper pacing.
118089		3	Resolved	Defer	15 minute measurement feature key affects eoam measurements	Unexpect impact on OAM measurements as a result of 15-Minute meas feature. FTP measurement reports from MCP are correct.
118143	Y	3	Resolved	Defer	DB issues. Unable to align SLK and Sev 1 Troubles are received.	The linkset/slks were not able to align when the linkset was receiving these troubles. Once the original linkset was removed and reprovised the troubles ceased and the links aligned.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
118226		3	Resolved	Defer	E5STC: "UAM: Congestion: Copy Function De-activated and Copy Function Activated" rcvd for IP links and not SE-HSLs.	Missing E5IS congestion UAM notifications for SE-HSLs and other LIMs will delay identification of problem when sockets go down.
118317		3	Resolved	Defer	IPSM card needs a connection monitor	The IPSM card can be left in a non-responsive state for extended periods of time (up to 2 hours) under certain circumstances.
118378		3	Resolved	Defer	TCP sockets not coming up on HCMIM with 64 links after init-card:appl=eroute cmd being executed	Sockets may take sometime to re-establish the connection, if ungraceful shutdown happens. For instance booting all EROUTE cards may result in the problem stated in the PR
118407		3	Resolved	Defer	REPT-STAT-SCCP Output Improvements	No system impact. The rept-stat-sccp report has worked this way for many years. Due to the time slicing of the report, the totals do not necessarily match up if one were to sum individual card MSU rates and compare to total MSU rates.
118540		3	Resolved	Defer	E5SLAN: TVG rate drops to 0 in rept-stat-slan:mode=perf	The tvg rate displayed is the instantaneous rate on the last second of a 15 second sliding window. Issuing the rept-stat-slan command multiple times allows the user to get a view of how the traffic is changing and mitigate the impact of this issue.
118633		3	Resolved	Defer	rtrv-data-rtddb error of "one optional parameter required" should give more information	Sine the rtrv-data-rtddb command requires at least one of several optional parameters, more information is needed.
118734		3	Resolved	Defer	ERROR CODE=No Error Received - presented by Eagle for unknown M3UA error	If an M3UA/SUA application server sends Eagle an Error message with an error code that is not documented in the M3UA/SUA RFCs, Eagle will display "No error received" in the error code portion of the "IPGW received error msg" UIM instead of the value of the unsupported error code.
118871		3	Resolved	Defer	Measurement platform reports the card type ACM card rather than correctly identifying cards that is E5-ENT, DCM or SS-EDCM.	Nuisance UI issue. The Eagle incorrectly reports the card type as an ACM card rather than correctly identifying card the as an E5-SLAN card.
119129		3	Resolved	Defer	Measurement Statistic ENETCOLERR always reports zero	If driver stats are not pegged properly, then user would not able to view excessive collision error [ENETCOLERR]. The user could keep a track of collisions by using ENETBUSBSY.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
119132		3	Resolved	Defer	UA LOG is not outputting RC correctly for Act Acks/Inact Acks when rec Act has no RC	If an ASP Active / ASP Inactive message is received without RC, UALOG shows (RC=NONE) which is correct, but UALOG reports RC wrong in the ASP Active Ack/ASP Inactive Acks when RC is configured for the association. It shows that RC=NONE when it should be displaying the configured RC for the association.
119167	Y	3	Assigned	Active	HS Clock installation, wiring information, and pinouts is very poorly documented in Eagle customer documentation.	The High-speed Master Clock and BITS Composite Clock cable assembly is not properly documented in Eagle customer documentation. The customer may have to call TAC to properly install this cable.
119292		3	Resolved	Defer	E5STC:Incorrect display of 'AVERAGE TVG Capacity'	This generally happens when one of the STC cards is coming up and has been allocated an IP address. Since this is a temporary condition while a card is loading, and is a reporting issue only there is minimal customer impact.
119339		3	Assigned	Active	Default Value Missing for Optional Parameters in the CHG-IP-LNK Command	Default values are missing for CHG-IP-LNK command. The values are missing in both 35 and 36 docs.
119359		3	Resolved	Defer	ATH reported - Eagle Rel 35.0.0-56.23.13	No known customer impact.
119371		3	Resolved	Defer	TINP - During incremental upgrade, DMS0002 table not found	If the TDMs have inactive partitions that have no data on them, the customer may see some Sev 1 errors that seem severe but are actually innocuous. Upgrade will succeed. This will only be seen if the customer is upgrading from an Eagle that was a fresh install (no partition data). So exposure is minimized.If
119372		3	Resolved	Defer	ATH trouble not useful: Module ath_vxw_mgr. Line 1790 Severity 2	This ATH signals a normal error recovery path has been taken. There is no customer impact.
119426		3	Resolved	Defer	E5-SM4G Cards Will Not Cold Start	Cold start works for all SCCP cards when command is "init-card:appl=SCCP". The command with "appl=VSCCP" will only warm restart the SM4G cards.
119494		3	Resolved	Defer	Hitting F7 on a telnet terminal with high broadcast traffic causes IPSM to boot	Customer will experience transient loss of IP UI output for terminals associated with the resetting card.
119513		3	Resolved	Defer	SUA DUAD - Telcordia - UIM 1333 has an error output message	Typo in UIM report only. No customer impact.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
119517		3	Resolved	Defer	IPLIM M2PA incorrectly updates SLK ACK sent timestamp for LS msgs that are not ACKs	It has been observed that IPLIM M2PA is incorrectly updating the SLK ACK sent timestamp for the transmission of link status messages that cannot serve as ACKs. This timestamp should only be updated for transmitted messages that can serve as ACKs. The very minor operational result is that IPLIM may not ACK as often as it should if outbound traffic has a low rate and it is sending some kind of link status, such as busy/busy-ended. It is unlikely that this defect will impair SLK operation in any noticeable way.
119533		3	Resolved	Defer	Thermal Alarms do not work properly on E5-SLAN	In cases when the temperature of the CPU is very near the thermal level 2 and the card may begin shedding load, the thermal level 2 alarm may incorrectly show up and being turned off. In other words, the thermal level 1 alarm may show again. Once the temperate clearly exceed the thermal level 2 threshold, alarms work as intended and expected.
119563		3	Resolved	Defer	rept-stat-card:appl=scpcphc does not display E5-SM4G cards rept-stat-card:appl=vsccp does show scpcphc cards	Minimal system impact. The correct appl value to use is scpcp not scpcphc. scpcphc is a GPL not an application. The command should be rejected if scpcphc is used.
119569		3	Resolved	Defer	SUA - SSP sent by Eagle indicates solitary when it is mated	For ITU-I, keeping the SMI=0 is no impact (since that is what is expected). For ITU-N/ANSI, keeping the SMI=0 may result in the receiving node detecting the invalid/unexpected value and possibly generating an alarm of that condition; the SSP/SST/SSA should still be processed by the receiving node.
119579		3	Pending_Review	Monitor	Periodic Copy De-activate on IP links (all link types)	
119585	Y	3	Pending_Investigation	Active	Routing restriction problems in C-link. Mate STP is ok.	The Route Prohibited symptom is experienced on the primary STP and not the mate STP. A route restricted alarm (DPC Route Prohibited) is reported every 11.5 min. in the C-link only.
119647		3	Resolved	Defer	Telcordia - rtrv-rte:lsn=xxxx output does not give correct DPC type	No system impact. Rtrv-rte report column heading shows DPC instead DPCI.
119700	Y	3	Resolved	No-Fix	Receiving UPLP_MGR.C Severity 1 alarms on rel. 35.1.1	The customer impact is a preponderance of Sev 1 troubles. These appear to only be occurring on the RSP-MNT and RSP-UIM commands on EOAP-B. The troubles are there to report problems with the input from the EOAP.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
120158		3	Resolved	Defer	EAGLE does not allow user to manipulate the listing order of a combined linkset	Customer will have to delete all provisioning in the system and then re-add the data back in the order that they would like it listed in the route table. The current behavior may not allow the customer to groom their network for load sharing without a great deal of re-provisioning.
120171		3	Resolved	Defer	ent-assoc cmd on E5 IPLIM gives incorrect error message for missing parameter	The "E4092 Cmd Rej: Too many associations per SLK" command error is misleading for ent-assoc command, it should say "missing mandatory parameter: port"
120201		3	Resolved	Defer	ent-dlk command should require subnet mask	if the network is routed, Proxy ARP must be enabled. Modern routers do not have this on by default.
120268		3	Resolved	Defer	Error Code 4186 not displaying precise information	No customer impact. Command reject error string contains incorrect feature name - "s".
120269		3	Resolved	Defer	ARPV: trp_tbl.c severity when DHCP on time expiry	DHCP lease expiry may result in time for a port of acquire IP
120310		3	Resolved	Defer	E5STC: "help" command generated Severity TMUXLIB2.C Line 729	The overall help command appears to be too long and produces these troubles towards the end of the output. Individual help on a command by command basis works fine.
120356		3	Resolved	Defer	Feature status dependency in measurement command processing should be consistent	More nuisance, than real customer impact. Subtle inconsistency between enabling and turning on features in rept-meas.
120358		3	Resolved	Defer	IPGW and IPLIM sysstat -v debug-only PASS command shows very low percent after boot	The first time the debug-only sysstat -v command is executed on a IPGW or IPLIM card, the run percentage is extremely low, falsely implying that the card is malfunctioning.
120363		3	Resolved	Defer	Table-copy initialization failure on IPSM causes FTRA FTP transfer failure	Intermittently on busy systems (large systems with a lot of UIM/UAM traffic and IMT traffic), a DMS.CFG table-copy initialization fails during an IPSM boot. No error message is seen except on developer GPLs ("COPY-TBL Command Abort"). This table-copy initialization failure causes FTRA to fail its FTP transfer because the ACT-FTP-TRNS Eagle command will fail the 1st time. Error corrects itself after the 1st failure and all subsequent attempts will be successful.
120474		3	Resolved	Defer	msutrace -a chgfilter -m all should not be accepted	The command needs to be fixed so the incorrect command is rejected, the -m mode should be optional, and help text should say something like this: chgfilter chgfilter [fltrkey] [<-m mode>]

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
120479		3	Resolved	Defer	act-upgrade fails during Recovery C due to MCP card	Secondary fault requires manual intervention as noted in revised upgrade document. MCP card may require manual cold boot during failed upgrade/recovery.
120489	Y	3	Resolved	Defer	Older versions of assemblies no longer referenced in documentation	May cause customer to believe cards must be replaced because they are no longer supported when they are in fact still supported.
120558		3	Resolved	Defer	Error in list dir command in FTP UPGRADE	The "ftpxfer -z -m" command gives error "FTP UPGRADE, Error on list dir cmd (450)" while listing the directory contents in the linux FTP Server. The FTP Upgrade procedure cannot be performed on EAGLE. FTP upgrade is not available for use in the field so this has no impact to the customer base.
120596		3	Resolved	Defer	Changes to UAM 0084 - IP Connection Unavailable in Customer Documentation	The troubleshooting listed needs to be beefed up to help customers troubleshoot this UAM further.
120612		3	Resolved	Defer	"AS Unrestricted" After init-card:loc=<active oam>	Technically this is cosmetic, but it gives the appearance that the AS had been restricted, even though there were no problems.
120668		3	Resolved	Defer	Add alarm thresholds to include/calculate all types of rtdb entries when EPAP is configured.	Change alarm threshold to include more than current LNP TN totals. Currently chg-th-alm can be configured, rtrv-alm-thres retrieved and changed while EPAP is configured but it does not work the same as ELAP.
120744		3	Resolved	Defer	RTRV-FEAT CSV file shows wrong values for NUMENTRIES, MAXENTRIES parameters	RTRV-FEAT CSV file (retrieved through FTRA 4.0-40.11.0, EAGLE 5 ISS Release 37.0.0-58.19.0) shows NUMENTRIES, MAXENTRIES values as 34 whereas in total they are 32.
120871		3	Resolved	Defer	CDPA Screening Table Capacity Reported Incorrectly	The capacity of the CDPA table is being reported as 51% when in fact the table is full. The over provisioning can cause incomplete screening rules to be downloaded to network cards.
120899		3	Resolved	Defer	ANSI and ETSI traffic over ATM is not co-relating from one IMF	IAS Customer may incorrect correlation on data coming from ATM links
120947		3	Resolved	Defer	send-msg output display annoying control characters	The control-I characters at the beginning of each display line are annoying, and need to be removed
120973		3	Resolved	Defer	Autonegotiation problems on card boot with E5-ENET	The operation of Ethernet ports running at 10Mbps is inconsistent if the card is first allowed to come into service and the ports are configured/re-configured later. Work-around: provision the card, configure its ports and boot the card. The ports will come up as expected.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
121103		3	Resolved	Defer	Module OS_UTL.C Line 543 Class 01bb Severity 1 during HIPR Hourly report	HIPR hourly status is incomplete, some data is not included in the results of the hourly report.
121163		3	Resolved	Defer	REPT-STAT-SCCP:MODE=PERF Incorrectly Reports Peak SCCP Traffic and Total MSU/S when DSM Cards are Added to Eagle	11 of 22 E5-SM4G cards were replaced with DSM cards. While the DSM cards were loading, rept-stat-sccp:mode=perf commands were issued to check loading status of the cards. It was noted that the peak SCCP traffic was over 60K+ MSU/S, even though the traffic being sent to the switch was around 34K MSU/S. Once all of the DSM cards loaded, the report appears to be correct.
121185		3	Resolved	Defer	SUA - Telcordia - After receipt of UPU and conversion to DUPU eagle does not send SSTs with SSN=1	When the Eagle receives a UPU, it converts the UPU to a DUPU and correctly sends it to the ASPs. The Eagle does not send periodic SSTs for the affected SSN.
121220		3	Resolved	Defer	During Upgrade all E5ENETs must "Retry" at the "Allowing card" step	E5-ENET cards are taking longer than the 1-minute wait time that the upgrade code allows. On retry, the card is back and loading so the code continues with upgrade.
121223		3	Resolved	Defer	SUA - Telcordia - DPC subsystem prohibited alarm not cleared even though all subsystems are up	<p>After receiving an UPU message, the Eagle reported the DPC subsystem prohibited but after sending in SSA to bring the subsystems back up, the eagle did not report the subsystem allowed even though all SSNs are allowed and unblocked. The REPT-STAT-DSTN command reports the following:</p> <pre> rept-stat-dstn:dpc=2-2-1:mode=full Command entered at terminal #5. ; tklenc2stpb 07-05-31 15:43:38 EST EAGLE5 37.0.0-58.20.0 DPCA PST SST AST 002-002-001 IS-ANR Restrict ACCESS ALARM STATUS = *C 0326 DPC subsystem is prohibited RTE COST LSN APCA LS STAT NON-ADJ ROUTE STAT 1 10 tk000005 002-002-001 Idle Allowed Prohibit 2* 20 tk000008 001-001-000 Allowed Allowed Restrict 3 -- -----***_***_*** ----- 4 -- -----***_***_*** ----- 5 -- -----***_***_*** ----- </pre>

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
121327		3	Resolved	Defer	SUA - Telcordia - When AS goes down duplicate prohibited UAM messages generated	No system impact. DPC alarm raised twice because the first time it is processing DPC information, and while processing the DPC SS status changed it raises the alarm a second time. This has no impact to Harris alarm monitoring either.
121360		3	Resolved	Defer	copy-tbl aborted message generated during phase 3 of upgrade	None. The IPS card is attempting to download the dsm1024.cfg file upon initialization. The table copy is aborted and the table is not loaded on the card, if this table is not copied the service of the card is not impacted.
121754		3	Resolved	Defer	Telcordia - multiplicity indicator (SMI) not set correctly in SSA response to SST message	SMI field in eagle-generated SSA will contain the value from the SST, rather than the value from the MAP table which could mislead the far end.
121796		3	Resolved	Defer	rtrv-gws-redirect table display is not properly aligned	When displaying the gws-redirect table, the DPC is too wide for the header, so the remaining fields are not lined up correctly.
121931		3	Resolved	Defer	Eagle measurement reports incorrect OCTTRAN	Link measurements register OCTTRAN and MSUOCTRN will have erroneous counts for M2PA and IPGW links.
121956	Y	3	Resolved	No-Fix	MSULOST3 Measurements Showing An Extremely High Count	Although the customer can find the definition of MSULOST3 in the documentation (MSUs Discarded – LS On Hold Buffer Overflow - Number of MSUs discarded because the linkset-on-hold buffer was in overflow), the customer cannot find what the “Linkset On Hold Buffer” actually is. Without a good explanation of MSULOST3, it is not possible to troubleshoot the cause of the discards.
122007		3	Resolved	Defer	FTRA 4.1: Incorrect Order of Header displayed in RTRV-MAP CSV	No system impact. Output displayed incorrectly.
122020	Y	3	Resolved	Defer	IPSM telnet session remains open after the user is finished.	User is unable to access any IDLE telnet terminal ports via the IPSM card without first executing an inhibit and then allow command for the terminal port in need of access from another telnet terminal port.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
122047		3	Resolved	Defer	No UIM for BICC MSU discard for Conversion too Large (Chained Buffer Not Supported on lowspeed)	If a BICC MSU is received on an ITU SS7 link, where DPC is ANSI alias such that after the MSU is converted it will be greater than 272 bytes, the MSU is discarded, but no UIM is issued. This behavior is the same with and without MOBR feature, and same whether outbound route is IP link or SS7 link. The following Sev 1 is generated, just no UIM: tklc1071501 07-06-20 08:39:47 EDT EAGLE5 37.0.0-58.20.35 Card 1308 Module CNV_MGR.C Line 1269 Class 302a Severity 1 16 00 00 02 17 50 01 01 89 01 43 18 40 28 01 a9P....C@(.. 96 3f 0d ec e6 72 02 00 00 01 00 00 00 00 02 ?...r..... 0c 0a 00 00 21 43 65 87!Ce.
122198		3	Resolved	Defer	PCR FISU FSN incorrect in PCR	As soon as another MSU is sent then the FSN is updated correctly. This is just a special case of resending MSUs and then receiving an ACK. So, this will not cause the link to go out of service.
122420	Y	3	Resolved	Defer	User timeout/logout from IP term during long rtrv/rept-stat command	During long rtrv- or rept-stat- commands, the user is logged out on IP terminals even when there is a process running and the terminal/user is not idle.
122528		3	Resolved	Defer	SSH Key exchange failure when host keys change on the Ealge	Manual key file changes/reset may be required for end-equipment.
122573	Y	3	Resolved	Defer	UAM 0112 - Major failures detected on both IMTs & LIMs Booted w/ Module PMTC_MGR.C Line 407 Class 0240.	When the init-mux command is issued multiple cards can get off the bus (or believe they are off the bus) and the application boot them.
122594		3	Resolved	Defer	RTRV-MAP command displalys parameters pertaining to WGTTLS feature in the .csv file when the same is OFF.	The RTRV-MAP Command displays the "WT", "%WT", "THR" parameters even when WGTTLS feature is disabled/OFF. The "WT", "%WT", "THR" features should be displayed only when the WGTTLS feature is ON.
122742	Y	3	Resolved	Defer	Ent-user cmd hung Term 17 for 1.3 hours thru inh&alw card until term 17 inh&alw	Customer was not able to login and use terminal 17 while the terminal was in this hung state. He expected the inhibit and alw card commands to clear the condition, but it did not clear until a inh/alw-trm command was issued to the hung terminal.
122747		3	Resolved	Defer	rept-stat-gpl:display=all does not show GPL's for cards not running an application	This could mis-lead customers if there are unprovisioned cards in the system which are running Comm, BIOS, OS and/or FPGA GPL's which won't be reported with this command.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
122761		3	Resolved	Defer	RTD cksum errors may occur when large BICC MSUs are routed as result of merge of 35.6 features to 37.5	No MSU integrity checks will be done on BICC traffic.
122890	Y	3	Resolved	Defer	EOAP not providing Supplier Specific link parameters	Not sending Vendor Specific link parameters with the VFY-SLK SEAS Command response.
122978		3	Resolved	Defer	Measurements component link and linkset register name SDURECVD should be SDPDURCV	Affect ATM link users only - apparently little impact other than nuisance of mis-spelled measurement register.
123172		3	Resolved	Defer	Authority Violation on login	This issue occurs occasionally after running a lab automated test suite that opens and closes 6 secure connections every 30 seconds while running a longer duration 'cocoanut script simulator' with high levels of debug output and UIM output. The workaround is to inhibit and allow the impacted terminal.
123174		3	Resolved	Defer	ssh telnet server busy	This issue occurs with 6 secure connection sessions being opened and closed every 30 seconds while running a 'cocoanut script simulator' constantly. In addition, there are extremely high levels of UIM and debug output being generated out each active telnet session. This activity is well above anything that would normally be experienced at a customer site for even a short duration and this is running at this level for 6 to 12 hours.
123362		3	Resolved	Defer	GPORT UAM reports when APORT is enabled	No system impact. As soon as the APORT feature is turned on, the UAM changes to MNP as expected. The misleading UAM is only present during the period between Enabling APORT and Turning it on.
123369		3	Resolved	Defer	Service Selectors process MSUs even though SCCP Service is offline/disabled	There is an inconsistency regarding GPORT/APORT SCCP Service being offline vs online with Service Selectors. For example, srvsel=MNPSMS will process matching MSUs and will peg as such under GPORT Service in rept-stat-sccp.... this is independent of whether chg-sccp-serv:serv=GPORT is offline or online.
123506		3	Resolved	Defer	Set local processor outage during aligned status. In the proving status, when canc-lpo, eagle still sends LPO, not LSR	In the proving status, when canc-lpo, eagle still sends LPO, not LSR and link can not go into service. Initializing the card should correct this condition. This has never been seen in the field.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
123751		3	Resolved	Defer	SOIP - chg-seas-config allows the seas IP address to be set to the same value as the IPSM card.	When provisioning the SEAS over IP feature, the eagle allowed the SEAS IP address to be set to an IP address that already existed in the IP link table. Minor customer impact since the user will be unable to connect to the IPMR(s). This will generate SEAS unavailable alarms. The maintenance manual has the procedure for diagnosing the causes of this alarm.
123752		3	Resolved	Defer	eagle allows ent-ftp-serv to set IP address to an existing value in ip-lnk table	When provisioning the measurements platform feature, the eagle allowed the ftp serv ip address to be set to an IP address that already existed in the IP link table. Diagnosis of duplicate IP address provisioning is more difficult.
123756		3	Resolved	Defer	chg-ip-lnk allows IP addresses to be entered that are already in seas config or ftp serv table	The eagle allows ip addresses that already exist in the seas config table or FTP serv table to be entered in the chg-ip-lnk table. Diagnosis of duplicate IP address provisioning is more difficult.
123860		3	Resolved	Defer	Customer cannot change GSM2IS41 prefix from Multiple to Single	After upgrade from pre-EAGLE 36 to post EAGLE 36, if the Migration Feature was active, then the GSMOPTS:GSMPRX is set to multiple. Customers should have the ability to change to SINGLE and use GSM2IS41.
123877	Y	3	ReadyToTest	Active	IDP Relay doesn't support service key greater than 1-byte	
123934	Y	3	Resolved	Defer	rtrv-stp command will report the second slot used by a dual slot card as empty	Customer impact is minor however when a dual slot card is present in the system they would like to see an indication other than EMPTY for the adjacent slot.
123947	Y	3	Resolved	Defer	With command chg-secu-dflt is not possible to remove a line previously set.	Can not remove lines after the Warning Message by using wrntx=""
123981		3	ReadyToTest	Active	T1000 MPS Platform SW Manual contains unnecessary material	Information on Network Element ASPs was included in EAGLE release 37.0, but is not part of the MPS. There is no impact on the system.
123987		3	Resolved	Defer	TFP/TFA not available to an adjacent point code having an Indirect Route	Broadcast TFX messages may not work correctly, if the system has more than 25 failed linksets. If an APC is not notified with TFP, it may continue to send messages to destination. Although a broadcast TFP is not sent but response method TFP will take care of notifying nodes, if they try to route message to concerned point code. Hence the reason to be minor

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
124035		3	Resolved	Defer	uias_cmd.c line 534 appears when dlt-trace command entered by itself or with an invalid trace ID	If a customer enters the ent-trace command by itself (no trace ID specified) or enter an invalid trace ID, the sev 1 trouble is generated. There is no customer impact.
124036		3	Resolved	Defer	gta_dbup.c Line 1313 trouble when doing the dlt-map command	The error is produced when we attempt to update the PC status attached to a route with an invalid route index. There is no functional impact.
124097		3	Resolved	Defer	SEAS - Eagle incorrectly reporting X.25 UAL status	Eagle is incorrectly reporting the SEAS x.25 status: 1) PVC Status Incorrect – when two PVCs were taken down, the rept-stat-seas shows all 3 PVCs IS-NR 2) UAM reflects incorrect pvc number when pvc taken down or restored.
124101		3	Resolved	Defer	ent-trace does not accept DN when only Migration feature is active	Makes debugging field issues very difficult.
124118		3	Resolved	Defer	SPC is changed in Chg-dstn when links to the destination are active	The chg-dstn:dpc=8-8-3:spc=3-3-4 command is successfully completed without checking links to see if it is in-service.
124127		3	Resolved	Defer	scm_sai.c ATH when provisioning a time-based alarm inhibit on dev=as	The timed alarm inhibit function may not work on the AS entity. This occurs for dev=as and applsock.
124151		3	Resolved	Defer	after init-sys, MASP reported sev 1 trouble dbcd_rtx.c Line 3050	After init-sys, the sev 1 error was output. There is no apparent system impact.
124159		3	Resolved	Defer	Module rm_rte.c Line 1118 Class 01c3 seen during warm restart of SM4G cards	No impact on traffic, only ATH errors generated while the card is booting.
124168		3	Resolved	Defer	The Eagle doesn't generate an ACK for data received during the far end's PO.	The Eagle doesn't generate an ACK for data received during the far end's PO. In the RFC and relative test, it is required that local end should generate an ACK for data received during the far end's PO. No customer impact.
124183		3	Resolved	Defer	MOBR will not enabled with dual slot DCM STC cards in system	Customers can't turn on MOBR if there is unsupported hardware in the system, even if it is provisioned as an STC card. Customer would have to remove the STC cards, provision the feature, then reprovision the STC cards to get around this. This is not a problem in rel 37.0.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Dispo- sition	Title	Customer Impact
124219		3	Resolved	Defer	Module MTOS_MSB.C Line 362 Class 1012 seen when reloading all DSMs	There does not appear to be any adverse impact on the system. From the log files all SCCP cards reloaded normally and within a reasonable time window. An init-card:appl=vscpp command issued 30 minutes after the original did not result in the MTOS_MSB ATHs.
124225		3	Resolved	Defer	Bad data in ddl crossload request can boot in-service card.	DDL xmit application should protect against invalid request type gracefully, not by booting. This is an in-service card, and should not boot when a card coming up sends bad data. This has only been seen in the lab, when attempting to debug another problem by generating bogus DDL_Crossload requests.
124268		3	Resolved	Defer	MLS - DPC of SCCP management messages is not verified before they are processed	If a Eagle receives a message with DPC=MLS SPC and OPC= non adjacent point code then Eagle process that message instead of discarding it.
124357		3	Resolved	Defer	Module scm_bkgd.c Line 2944 trouble seen after executing INIT-SYS:DATA=PERSIST	The errors are due to tvg capacity issues on the card. The tvg information will be updated as soon as the correct information is received by OAM. There is no impact to the system.
124368		3	Resolved	No-Fix	SLK Failure UAM Does Not Clearly Explain Link is Down	None
124395		3	Resolved	Defer	Module idle_tsk.c trouble seen after executing an INIT-NETWORK:FORCE=YES	The customer will have to reissue the INIT-NETWORK:FORCE=YES command when this is seen. There is no other apparent impact.
124427		3	Resolved	Defer	Module imte_err.c Line 1656 trouble was seen after executing an init-sys	No system impact. Init-sys at the top of the hour caused IMT hourly report to attempt output report before Initialization of DCBs was complete.
124451		3	Resolved	Defer	Module mprm_sr.cpp displayed after booting OAM for upgrade	Initial data transfer to standby MCP is incomplete. Only impact is historical data in the event of MCP role change, e.g. rept-ftp-meas for prior period after a MCP role change.
124470		3	Resolved	Defer	GLS card recieved multiple obits during 37.5-58.30 upgrade	This is because the GLS card binder and gldr ran out of screenset buffers. The ATH errors will go away after the card is re-initialized. Card eventually stops reloading and GWS functions perform without any issues.
124530		3	Resolved	Defer	rtrv-tbl-capacity reports failures when issued still in upgrade	No system impact. DB commands are typically not allowed during upgrade, after booting out of upgrade, everything seemed fine

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
124541		3	Resolved	No-Fix	Module poll_mv.cpp line 352 trouble seen after time was set ahead	None
124553		3	Resolved	No-Fix	Module meap_mcp.cpp Line 2774 seen during weekend LNP traffic run	None
124558		3	Resolved	Defer	cannot flash SM4G cards	If such a card is placed in a customers site Sev 1 errors will be output indicating an issue with the card. It will need to be returned to Tekelec in order to be correctly flashed.
124560		3	Resolved	Defer	37.0 - 58.20.34 to 37.5 - 58.30.0 - Upgrade failure during phase 0	If the following DMS errors are seen the upgrade will fail: tklc1200701 07-09-17 13:37:10 EST EAGLE5 37.0.0-58.20.34 Upg Phase 0 Card 1115 Module DMS_UTL.C Line 2282 DMS Error Error writing Inactive Partition table 529 on standby TDM (A); Requesting application id: H'001e; DMS0002: table not found on disk. Through the use of health checks, the system should be determined to be stable enough to perform the upgrade.
124596		3	Resolved	Defer	ENT-APPL-RTKEY command can fail if any problems polling all IPGWx cards for dyn rtkey status	Initially this was seen because there was an IPGW card in the system with an old BPDCM and the OAM was misinterpreting what type of card it was (didn't think it was a DCM, SSEDPCM, or E5-ENET). Flashing the card corrected the issue. Recently this was observed and after the SRKQ value in SG-OPTS was changed from 1000 to 500 and back, the problem cleared.
124617		3	Resolved	Defer	Incorporate SSHield patch TF1-SSH-VX-SRC-PATCH-2-0-0-001-i006 for vxworks 6x.	This affects the implementation of the latest SSH library patch for VxWorks 6.1 platforms.
124701		3	Resolved	Defer	Module tvg_hipr.c Line 1592 seen periodically	During the script that boots most of the SCCP cards, they'll try to crossload the cards coming up. Crossloading can take up to 8 seconds to do (especially when the system is stressed). During that time medium priority processes are blocked, which is where the grant refresh is issued from. Since it can't run, a TVG_HIPR trouble is generated. Once medium priority processes are unblocked, the grant rate will be refreshed as normal.
124710	Y	3	Resolved	Defer	FTRA - Specified MRN set is not found	Unable to run certain gtt provisioning commands from FTRA. The customer could then run them from the Eagle.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
124716		3	Resolved	Defer	E5-IPSM: ACT-FTP-TRNS command fails with Module dms_prep.c , Module tco_utl.c , Module tcm_mgr.c	Troubles are generated instead of rejecting the command. Retrying the command works fine.
124717		3	Resolved	Defer	SOIP - eagle is incorrectly reporting the gateway activity to SEAS when thresholds are exceeded	When both messages and rejection activity are exceeded, the Eagle sends two messages to each tcpipr each reporting both thresholds (a message should be sent to each mr once, or each threshold reported separately). Also when only one threshold (here, # rej) is exceeded, both parameters are included erroneously implying both thresholds were exceeded.
124725		3	Resolved	Defer	SEAS- extraneous rept-rteuav messages are being sent after MASP initialization	REPT-RTEUAV messages coming repeatedly after reboot of the TCP/IP MR.
124736		3	Resolved	Defer	Module tosil_md.c Line 1104 trouble seen during overnight traffic run	No customer impact - Corrupted message will be discarded by the hmux card.
124738		3	Resolved	Defer	Module hipr_rx_mgr. Line 364 seen during overnight traffic run	This is caused by a message that the HIPR does not recognize. It was an HSU that came from IMT card address 35 which is the card at 2206. 2206 was trying to send a "Cluster Management" message which HIPR does not do and it was using a destination subsystem which is invalid. There is no customer impact as the invalid message will be discarded.
124938		3	Resolved	Defer	Sev 1 ATH observed when dlt-trace is specified without parameters	No system impact. The Sev 1 errors are due to unexpected command termination.
124950		3	Resolved	Defer	Module lb_mgr.c troubles seen during overnight traffic run	During the DSM Boot script (where the SCCP Subsystem is constantly reset) the load balance manager is unable to complete load balance within the engineered limits and produces this trouble. This isn't a concern to date because the SCCP cards do not use LB anymore.
125035	Y	3	Investigated	Active	Call completion problems with ANSI<>ITU MTP LocReqs after upgrade to Eagle release 37.0	Customer is experiencing call completion issues in the STP recently upgraded to Eagle 37.0. MTP-Routed SCCP messages that cross network boundary were only allowed to be processed by SMS address conversion. IGM/MNP was bypassed.
125100	Y	3	Resolved	Defer	Customer requires explanation of why MRNSET is not an option in RTRV-GTA command	There is not an option in the RTRV-GTA command to specify MRNSET, evne though you can specify MAPSET and the MRNSET option is available in the commands ENT-GTA and CHG-GTA.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
125107		3	Resolved	Defer	MLS - One-time response method TFRs/TCRs not sent when secondary routes being used have secondary point codes	Eagle may not generate a one time response TFR/TCR message for a destination that is restricted when the secondary routes being used have secondary point codes.
125114	Y	3	Resolved	Defer	Incorrect LSN in alarm message	Possibly incorrect output of alarm data if the customer blocks links.
125211		3	Resolved	Defer	Telcordia - 37.5 audit - Eagle is sending incorrect multiplicity indicator in broadcast SSP/SSA	SSP/SSA broadcast messages generated by EAGLE for solitary subsystem specify incorrect subsystem multiplicity indicator "Affected subsystem is duplicated". Should have minimal impact on customer network
125234		3	Resolved	Defer	General card maintenance commands (MBUS commands) depend on a Virtual Circuit to the MASP	Old MBUS commands may not get sent to the card if the VC is unavailable, and from the UI terminal it would appear that the commands were successful.
125277		3	Resolved	Defer	Telcordia-37.5 audit - SCTP - SUT did not retransmit Max.Init times when it didn't receive INIT ACK response	he Eagle retransmitted INIT chunk 5 times when it didn't receive the INIT-ACK response from the peer end, but it is less than association maxInitTimes (10) before it takes the association down.
125280		3	Resolved	Defer	Need better upgrade recovery from problems with MO/ MDAL	A problem with the MDAL/MO caused the system to take 12 1/2 minutes to do a copy-gpl. There was no indication of a problem during the upgrade.
125387	Y	3	Resolved	Defer	Upgraded from 34.0 to 37.0.2-58.20.63 - IPSM Card Still Needs Manually Resetting	Alarms from the system are being sent through the IPSM card. When the card locked up, no alarms were visible to the NOC and no one can log onto the system until the card is reset.
125408	Y	3	Resolved	Defer	Rtrv-log command not working	No alarms log data will be available which could impact the customer's ability to troubleshoot problems.
125415		3	Investigated	Active	Card 1113 Module DBCDIS41.C Line 455 Class 0001 Severity 1	Customer cannot clear IS41OPTS MTPLOCREQLEN if they decide not to use it. The value NONE is not currently not accepted.
125417		3	Resolved	Defer	OAM does not report COLD Start reason for SCCPHC when BIOS/CPLD are flashed	No system impact. Missing UIM notification of full LNP database reload when BIOS & CPLD are flashed.
125425		3	Resolved	Defer	Telcordia - M2PA audit - E5-ENET sent LSPes instead of LSPNs after receiving LSPE for which it had previously sent LSPN	This PR is about M2PA link initial alignment status indication procedures being non-compliant with GR-246-CORE. There is no impact on the alignment of M2PA links since it aligns during appropriate (normal or emergency) proving period based on the alignment status of remote signaling link.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
125428		3	Resolved	Defer	Telcordia - M2PA audit - E5-ENET started proving by sending an LSPE when it received LSA on data stream 1	Incoming LSA triggered alignment procedure and link was back in service after emergency proving period.
125429		3	Resolved	Defer	Telcordia - M2PA audit - E5-ENET sent an LSOS instead of discarding an SLTM received with an incremented FSN	Issue was found during M2PA audit testing at Telcordia. Issue is not service impacting since the link restores back to in-service after receiving SLTM with incorrect FSN.
125431		3	Resolved	Defer	Telcordia - M2PA audit - E5-ENET sent LSOS 3.7753 seconds (instead of ABORT) after not receiving SACKs for ACKs at SCTP	There should be no impact since the link was removed from service and either end may initiate re-establishment of the association. The E5-ENET card started realignment procedures following transmission of LSOS.
125440		3	Resolved	Defer	Eagle generating gateway activity threshold UIM 1154 for linkset with gwsm=off, gwsa=off	System outputs a gateway activity threshold UIM for a linkset when there is a scrset provisioned but gwsm=off, gwsa=off with SEAS turn on. No known system impact.
125501		3	Resolved	Defer	sih_mgr.c Line 948 seen during DSM boot script	No system impact. This appears to happen only during duration test runs where DSMs are continuously being booted. A UIM may not be presented to the user due to a multi-part UIM being overwritten under extreme output conditions.
125541		3	Resolved	Defer	LIM E1 cards report ss7_mgr.c Line 1149 on init-sys	This was seen with LG-generated BICC traffic where LG puts the wrong SI=2 instead of the correct 13. This should not be seen in the field.
125544		3	Resolved	Defer	tlac_lim.c Line 2295 generated on LIM E1 card after init-sys	There exists a rare race condition in the Eagle during massive network events (INIT-SYS) where some events can be received out of order. This appears to be one of those events. This normally is benign because the Eagle only complains about this and recovers. There should be no impact to the customer.
125549		3	Resolved	Defer	IP default settings cause Excess Retransmit alarms under low traffic load	When using Default SCTP Association RMIN setting, the Eagle may generate Excessive Retransmit Alarms for the SCTP Association connected to another vendor when traffic rate is low. One may stop the Alarms by setting RMIN to a higher value.
125648		3	Resolved	Defer	Obit on MCPM card after warm restart	MCPs should have doubled booted to cold boot during or following upgrade to clear initial conversion failure. Subsequent cold boot just delays the timing of the initial cold boot. Assuming init-sys during a maintenance window, same as upgrade, there is no real customer impact.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Dispo- sition	Title	Customer Impact
125763		3	Resolved	Defer	Telcordia Audit - M3UA - Unnecessary Notify messages are sent when no AS change is made	No significant impact, the Eagle would send Notify messages after receiving invalid ASP maintenance messages, even though there was no change in AS state.
125815		3	Resolved	Defer	Card 1115 Module uias_cmd.c Line 534 Class 01d0 Severity 1	The DLT-TRACE:TRACEID=4 command was run for an entry that doesn't exist in the TRACE queue causing the Severity 1 error to be displayed.
125818		3	Resolved	Defer	scheduled OAM systot reports to the UI showing incorrect time	UI reports when extracted from Measurements Platform after 15-minute collection has been turn on then off again will show incorrect report time. FTP'd measurements reports are correct
125819		3	Resolved	Defer	Telcordia - SOIP - Eagle sent an unexpected REPT-FLOW-THRU with trm set to all=no:seas=yes	No system impact. TCPIPMR may receive information that it wouldn't expect given the eagle terminal settings.
125820		3	Resolved	Defer	Telcordia - SEAS - VFY-DSTN for any member within network id returned Clusters (erroneously) in addition to FPC dest	Cluster information is returned by SEAS vfy-dstn command when it wasn't expected. This is just additional output the that MR would receive when performing this command.
125821		3	Resolved	Defer	Telcordia - SEAS - ADD-LS doesn't accept correct supplier specific parameters	ADD-LS doesn't accept correct supplier specific parameters. Use of Eagle UI is necessary to enter these specific fields.
125822		3	Resolved	Defer	Telcordia - 37.5 audit MTP3 - TCA not sent to mate to clear preventative TCP	Since the Eagle did not send a TCA to the mate to clear the PC, the clearing of that PC will be delayed until T17 expires on the Mate causing it to perform a RST poll over the mate linkset. The Eagle will then respond with a TCA, clearing the condition on the Mate STP.
125823		3	Resolved	Defer	Telcordia- 37.5 audit MTP3 - unnecessary preventive TFP concerning x-listed member is sent when TFR is received	Unnecessary network management msgs will be sent across the link. These nodes are already in this state so the only impact on the network is a small increase on link utilization.
125858		3	Resolved	Defer	non-provisioned card boots with TKS_TIME	A non-provisioned card that boots does not normally have any effect in the system other than causing some IMT activity. There are no known adverse effect to the other cards in service due to this obit. This was seen only once during testing.
125859		3	Resolved	Defer	ss7_mgr.c Line 1157 Class 0240 Severity 1 received on IPLIMI & IPLG carrying large BICC traffic	No impact to traffic, the ATH errors were seen with IPGWI load generators generating and receiving a mix of different sized BICC messages.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
125873		3	Resolved	Defer	2 Sev 1's Module dms_prep.c Line 3030 Class 0b0c AND Module sth_utl.c Line 1844 Class 0001	An invalid attempt to log some UIM/UAM failed, the data will be logged on the next cycle. No information is lost the troubles are output indicating that an invalid write (0 entries) to the LOG was attempted.
125898		3	Resolved	Defer	PPC : Physical loopback is not working in case of Proxy Links	The failed link is marked as failed, but is not marked as in loopback; this may delay troubleshooting.
125900		3	Resolved	Defer	DSM card rebooted with Module TSI_SBFRC Line 2533 Class 01cc	This was seen on an Eagle processing ANSI GFLEX traffic with SCCP origin based routing traffic with a script that was running ent/dlt gta data and map data. If this type of problem is encountered by the code the card boots itself to recover and return to service.
125914		3	Resolved	Defer	Telcordia - 37.5 Audit - SUA - SSA for remote SSN=1 Ignored by EAGLE	The Eagle does not broadcast SSAs, but keeps generating SST messages about already allows Subsystems.
125925		3	Resolved	Defer	Telcordia - 37.5 audit - SEAS - CHG-SLK to OOS says COMPLD when link inhibit is denied	No system impact. The COMPLD indication might mislead the user into thinking that the CHG-SLK to OOS command was successful in inhibiting the last link in a linkset. In fact, the system denies the request as it should, but indicates to the user that the command completed.
125928		3	Resolved	Defer	Telcordia - 37.5 audit - SEAS- chg-gtwy-ls with null values overwrites previous supplier specific values	On the SEAS- chg-gtwy-ls command a null value for supplier specific parameter field overwrites existing values with default values.
125937		3	Resolved	Defer	Telcordia - 37.5 audit - SEAS - chg-scropc allowed user to change range to larger range/smaller range of screened OPC values	This allows the customer to overwrite a range of entries when they specify a range when it shouldn't allow them to do that.
125938		3	Resolved	Defer	Telcordia - 37.5 audit - SEAS - Eagle doesn't allow user to delete all rows of a SR for OPC (and other tables)	No system impact. User must delete last row using a separate command.
125939		3	Resolved	Defer	Telcordia - 37.5 audit - SEAS - Eagle accepts CHG-SCR-OPC request when no change is made	No customer impact, command is accepted and no change is made.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
125946		3	Resolved	Defer	E5-SM4G Card Boots with icc sanity.c Obit	A warm re-start attempt may occasionally cause the COM side of the card to incorrectly detect that the APPL has failed, which in turn causes a cold re-start via this obit. The issue is the result of a relatively rare race condition.
125949		3	Resolved	No-Fix	DSM Cards boot with PVDLVMSG.C OBITS	None
125951		3	Resolved	Defer	The OPC encoding may no reflect MLS OPC in TFC/UPU generated for IPGW cards	<p>UPU Encoding : OPC encoding may not reflect MLS SPC if</p> <ol style="list-style-type: none"> 1. MLS feature is ON AND 2. Incoming linkset has MLS SPC assigned. AND 3. The OPC of incoming MSU is adjacent point code AND 4. The MSU involves IPGW in processing (say remote user application is down in END office feature) AND 5. if step 3 is TRUE, then none of the linksets defined to that adjacent point code uses Eagle's TPC <p>Then OPC of UPU may end up having Eagle's TSPC instead of a valid MLS SPC.</p> <p>Same holds true for TFC.</p>
125952		3	Resolved	Defer	After init-card:loc=(activeOAM), Module scm_utl3.c Line 3699 Class 01c1 severity 1 was generated	No customer impact - this is informational and indicates a minor initialization issue when switching over from standby to active.
125967	Y	3	Resolved	Defer	UIM1189-SCCP did not route: DPC not in RTE table does not map to a SEAS alarm	The new Alarm (UAM 1189) does not map to a SEAS equivalent alarm and the customer's NetPilot(TSNAM) is unable to generate alarm report on this type of error as it previously did.
125990		3	Resolved	Defer	Module meas_dth.c Line 510 Class 0001 Severity 1	Some data for the STP-DTH & associate daily measurements would be lost, either 15 minute or 30-minutes depending upon whether 15-minute collection is on or not. Given this occurred during init-sys which would have caused many cards to reset, the relative loss of data associated with this error is small.
126058		3	Pending_Investigation	Active	Telcordia - 37.5 audit - MTP restart - if T25 running, Eagle stops sending response TFP after expiration of T24	Response method TFPs are being sent during restart up until the expiration of T24. However, if T25 is still running beyond the expiration of T24, response TFPs are not sent for the remainder of T25.

Table RN-7. EAGLE 5 ISS 37.5 Known PRs (03/20/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
126196		3	Resolved	Defer	Telcordia - audit NCR - unnecessary TFRs concerning FPC members of nested cluster are sent to cancel preventive TFPs	Duplicate TFRs sent for nested cluster FPC. A TFR to the normal route is sent immediately (to allow backrouting). When T11, TFRs are sent to all non-current routes, so the normal route gets another TFR.
128503		3	Resolved	Defer	IMTPCI - LVL1 status are showing MSU retransmissions on good busses	This problem affects IMT MSU retransmission counts only. When an MSU is retransmitted on one bus for any reason, this bug may cause false MSU retransmission counts (by one or more counts) on the other bus. The faulty counts would be reflected when IMT stats are displayed (i.e., rept-stat-int and/or rept-int-lvl1 commands). The false MSU counts can confuse an operator performing troubleshooting exercises. This problem would not manifest itself in a system with two good busses working normally.

Table RN-8. ELAP 7.0 Known PRs (12/10/07)

PR #	CSR	Sev	Status	Disposition	Title	Customer Impact
113227	Y	2	ReadyToTest	Active	Mated Pair - UAM 0084 Seen for All DSM at both sites at the exact same time	On two different Eagles, the DSMs were not able to take updates. The IP connections for all the DSMs dropped at the same time on a mated STP pair.
125140		2	Resolved	Defer	exinit Process Core Dumps on ELAP	The processes that were started by the previous exinit must be manually killed before trying to start new processes until the new exinit.
49447		3	Resolved	Defer	Terminated session login button doesn't work in rare circumstances	If Customer is using IP forwarding, has changed the http port to something other than 80, and allows a GUI session to terminate. Attempts to re-login receive an error rather than the login screen.
51782		3	Resolved	Defer	ELAP: NPANXX dropping from 100% to 80% does not drop the alarm on the VSCCP cards	Erroneous alarm does not clear at the Eagle once the NPANXX capacity has been reduced from 100%.
52497		3	Resolved	Defer	DSM cards have trouble loading when RTDB is at Level 0	None. This issue can only occur on a new turn-up prior to data being provisioned on the system and is easily corrected. No production impact.

Table RN-8. ELAP 7.0 Known PRs (12/10/07) (Continued)

PR #	CSR	Sev	Status	Disposition	Title	Customer Impact
58206		3	Resolved	Defer	Failed to retrieve NPBs that has the same npanxx from ELAP gui	Customers should use the RTDB->Retrieve Records->Subscriptions menu item or the RTDB->Local Provisioning->Batch Mode menu items instead.
58379		3	Resolved	Defer	RTDB is inconsistent when running audit by time and receiving updates from npac at the same time	RTDB copy would be required to correct inconsistent database. This PR has an extremely low probability of occurrence.
61063		3	Resolved	Defer	ELAP WITH INCONSISTENT RTDB CAN BE MADE ACTIVE	This would cause alarms requiring you reload the DSMs.
61818		3	Resolved	Defer	MR, SPID and MRG tables do not cause 100% RTDB full ALARMS	No alarms for 100% capacity of MR, SPID, or MR Group tables on RTDB.
89918		3	Resolved	Defer	Tree balance alarming not correct for TNs	No operational impact. Alarm for tree depth would not be seen until a depth of 54-56 which is later than it should be.
90002		3	Resolved	Defer	Minor RAM Shortage Warning is ignored in ELAP alarms	Alarm not present for minor RAM shortage warning.
90024		3	Resolved	Defer	ELAP 4.0 displays NOACCS but dsm cards are being updated	Rept-stat- commands temporarily unable to give correct status.
91012		3	Resolved	Defer	Internal Error generated on ELAP after starting a Bulk Download.	No operational impact. ELAP temporarily is unable to provide RTDB status and reports Internal Error.
96390		3	Resolved	Defer	UIDB mysql replication from a to b failing	Replication will not be possible until Tekelec Technical Support recreates the EuiDB.
96620		3	Resolved	Defer	DSM CARDS BOOT WITH PH2 UPDATE TIMEOUT OBITS DURING WARM RESTART (23 Cards)	DSM will automatically cold start, extending the reload time for the affected card(s) by 30 minutes.
96826		3	Resolved	Defer	Maint process core dumps when mysql not running	Minimal impact. Once MySQL is up, normal operation commences.
96925		3	Resolved	Defer	LSMS does not send tcp keep alive to standby jrs	If network failure causes switchover of active HSOP connection from A to B, only a single connection will be established.
99128		3	Resolved	Defer	ELAP drops connection to LSMS for no apparent reason	Connection is automatically re-established and no data is lost.
100682		3	Resolved	Defer	TPD should NOT support SSH Version 1	No operational impact. SSH version 1 connectivity is allowed to ELAP.

Table RN-8. ELAP 7.0 Known PRs (12/10/07) (Continued)

PR #	CSR	Sev	Status	Disposition	Title	Customer Impact
104018		3	Resolved	Defer	Range Audit from the LSMS Runs at 10.5M / Hour for 120 ms Latency	HS Bulkload performance rates for networks with 120ms latency is approximately 10% below specification.
104406		3	Resolved	Defer	LSMS to MPS bulk load (w/ IPSEC configured) fails to meet PFS performance requirements	LSMS/MPS connections with IPSEC configured experienced a rate of 3.6M/hr versus the PFS performance specification of 4M/hr.
106771		3	Resolved	Defer	ELAP uiEdit causes different results when using uppercase or lowercase	Extra menu items (LSMS Bulkload, etc.) will be available to the user is the uiEdit command to enable the XML Interface is entered incorrectly.
107493		3	Resolved	Defer	Bulkload is running slow - 2.85M per hour (70ms/01% latency, no ipsec)	For very large databases, bulkload fails to meet performance requirement at 70ms latency.
109089		3	Resolved	Defer	"DST" Incorrectly Displayed for First Hour After End of Daylight Savings Time	ELAP GUI footer banner will incorrectly display EDT/CDT/MDT/PDT for first hour after end of DST in 2007 and subsequent years.
110247		3	Resolved	Defer	No alarm displayed when LNP NPANXX table is full	NPA-NXX's entered above the system limit of 300K will appear to be successfully added.
110330		3	Resolved	Defer	DSM Cards take 1 Hour, 13 Minutes to Reload from Cold Start	No impact. DSM cards get loaded a little slower as LSMS is getting 'resynched' slower.
116339		3	Resolved	Defer	Application Process Alarm Minor is generated in Major cycle	Customer may miss or ignore valid minor alarms.
121288		3	Resolved	Defer	DSM and SM4G cards OBIT in module pvdvmsg.c Line 2620 while running Eagle boot script.	Normal LNP provisioning rates are in the 10-20 per second range and rarely if ever would reach 50/sec.
122880		3	Resolved	Defer	E5-SM4G Cards Take Excessive Time To Warm Restart	Customer will have issues with loading the card.
124929		3	Resolved	Defer	ELAP 7.0 from the web gui -> rtdb -> retrieve records -> service providers fails	If a customer has more than 237 Service Providers (SPs), they will be unable to retrieve by the ELAP GUI any SP that is at position 238 or above (by incremental order of SP IDs). The SP data is still in RTDB and is addressable for all provisioning actions.
126299		3	Resolved	Defer	LPU Import in ELAP GUI behavior change	LPU output for individual actions within a batch file will not be displayed to the GUI.