

Tekelec EAGLE[®] 5
Integrated Signaling System

Release 40.0

Release Notice

910-5413-001 Rev C

May 2009



TEKELEC

**Copyright 2009 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; 7,260,086; 7,260,207; 7,283,969; 7,286,516; 7,286,647; 7,286,839; 7,295,579; 7,299,050; 7,301,910; 7,304,957; 7,318,091; 7,319,857; 7,327,670

Foreign Patent Numbers:

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

Ordering Information

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
Pocket Guide Availability	RN-3
Generic Program Loads	RN-4
Resolved PRs	RN-6
EAGLE 5 ISS 40.0.1 Resolved PRs for Build 40.0.1-61.49.0 (5/15/09).....	RN-7
EAGLE 5 ISS 40.0 Resolved PRs for Build 40.0.0-61.48.1 (3/10/09).....	RN-8
EPAP 12.0.1 Resolved PRs for Build 12.0.1-122.2.0 (04/17/09).....	RN-12
EPAP 12.0 Resolved PRs for Build 12.0.0-120.8.0 (03/10/09).....	RN-12
Known PRs	RN-15
EAGLE 5 ISS 40.0 Known PRs (5/15/09)	RN-15
EPAP 12.0 Known PRs (4/17/09)	RN-67
EAGLE EMS 40.0 Known PRs (5/15/09)	RN-70

Introduction

This *EAGLE 5 Integrated Signaling System (ISS) 40.0 Release Notice* is updated to add the initial release of EAGLE EMS 40.0, Build 40.0.0-100.11.0, resolved PRs for EAGLE 40.0.1, Build 40.0.1-61.49.0 and includes EAGLE Release 40.0, Build 40.0.0-61.48.1, EPAP 12.0, Build 12.0.0-120.8.0, and EPAP 12.0.1, Build 12.0.1-122.2.0.

The *EAGLE 5 ISS 40.0 Release Notice* includes:

- Resolved PRs for EAGLE 5 ISS 40.0 and EAGLE 5 ISS 40.0.1
- Resolved PRs for EPAP 12.0 and EPAP 12.0.1
- Generic Program Loads for EAGLE 5 ISS 40.0.0 and EAGLE 5 ISS 40.0.1
- Known PRs for EAGLE 5 ISS 40.0
- Known PRs for EPAP 12.0
- Known PRs for EAGLE EMS 40.0

Release Notices are distributed to customers with a new software release at the time of General Availability (GA) or Limited Availability (LA). EAGLE 5 ISS Release 40.0, EPAP 12.0, and EAGLE EMS 40.0 are GA releases.

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**.

Pocket Guide Availability

Pocket Guides are available for this release.

Part Number	Synopsis
910-5377-001	The <i>Commands Pocket Guide</i> is an abridged version of the Commands Manual and contains all commands and parameters, and shows the command-parameter syntax.
910-5376-001	The <i>Commands Quick Reference Guide</i> contains an alphabetical listing of the commands and parameters. This guide is sized to fit in a shirt pocket.
910-5390-001	The <i>UAM/UIM Pocket Guide</i> is a valuable quick reference to unsolicited information and alarm messages, and their troubleshooting procedures for the EAGLE 5 ISS.
910-5389-001	The <i>UAM Emergency Pocket Guide</i> is a valuable quick reference to critical and major alarm messages, and their troubleshooting procedures for the EAGLE 5 ISS.

Pocket Guides are available only in print and must be ordered through your Tekelec Sales Representative.

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 40.0.1-61.49.0 and 40.0.0-61.48.1

GPL SYSTEM NAME	VERSION Build 40.0.1-61.49.0	VERSION Build 40.0.0-61.48.1
Date Available	5/15/09	3/10/09
ATMANSI	131.49.0	131.47.0
ATMHC	131.49.0	131.47.0
ATMITU	131.49.0	131.47.0
BLBEPM	128.21.0	128.21.0
BLBIOS	128.21.0	128.21.0
BLBSMG	130.1.0	130.1.0
BLCPLD	128.21.0	128.21.0
BLDIAG	131.2.0	131.2.0
BLDIAG6	131.29.0	131.29.0
BLROM1	131.5.0	131.5.0
BLVXW	131.6.0	131.6.0
BLVXW6	131.49.0	131.37.0
BPDCM	131.40.0	131.40.0
BPDCM2	131.40.0	131.40.0
BPHCAP	131.40.0	131.40.0
BPHCAPT	131.40.0	131.40.0
BPHMUX	131.5.0	131.5.0
BPMPL	131.40.0	131.40.0
BPMPLT	131.40.0	131.40.0
CCS7ITU	131.49.0	131.47.0
CDU	161.49.0	161.47.0
EOAM	131.49.0	131.47.0
EROUTE	131.49.0	131.47.0
ERTHC	131.49.0	131.47.0
GLS	131.49.0	131.47.0
GLSHC	131.49.0	131.47.0
HIPR	131.31.0	131.31.0
IMT	131.49.0	131.47.0

Table RN-1. GPLs - Builds 40.0.1-61.49.0 and 40.0.0-61.48.1 (Continued)

GPL SYSTEM NAME	VERSION Build 40.0.1-61.49.0	VERSION Build 40.0.0-61.48.1
Date Available	5/15/09	3/10/09
IMTPCI	131.40.0	131.40.0
IPGHC	131.49.0	131.47.0
IPGWI	131.49.0	131.47.0
IPLHC	131.49.0	131.47.0
IPLIM	131.49.0	131.47.0
IPLIMI	131.49.0	131.47.0
IPS	131.49.0	131.47.0
IPSG	131.49.0	131.47.0
IPSHC	131.49.0	131.47.0
MCP	131.49.0	131.47.0
MPLG	161.49.0	161.47.0
PKTGEN	131.49.0	131.47.0
PLDPMC1	128.21.0	128.21.0
SCCP	131.49.0	131.47.0
SCCPHC	131.49.0	131.48.0
STPLAN	131.49.0	131.47.0
SLANHC	131.49.0	131.47.0
SS7ANSI	131.49.0	131.47.0
SS7EPM	130.29.0	130.29.0
SS7GX25	131.49.0	131.47.0
SS7HC	131.49.0	131.47.0
SS7IPGW	131.49.0	131.47.0
SS7ML	131.49.0	131.47.0
VCDU	161.49.0	161.47.0
VSCCP	131.49.0	131.48.0
VXWSLAN	131.49.0	131.47.0

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 40.0.1.

Table RN-3 on page RN-8 lists resolved PRs for EAGLE 5 ISS 40.0.

Table RN-4 on page RN-12 lists resolved PRs for EPAP 12.0.1.

Table RN-5 on page RN-12 lists resolved PRs for EPAP 12.0.

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

Table RN-2. EAGLE 5 ISS 40.0.1 Resolved PRs for Build 40.0.1-61.49.0 (5/15/09)

PR #	CSR?	Sev	Title	Customer Impact
137211		2	SCTP multihoming path fails to be reestablished after cable pull test	Pulling the cable causes static routes to be removed from the SIGTRAN card with no OAM/ Apps interaction. After the cable is reinserted, the route is not restored, thus the far end's IP address remains unreachable. The card has to be reset to recover. If address are on the same subnet they are not affected.
137495		2	TCAP Error - ITUI -> ANSI SCCP Conversion	ONLY when MSU crossing from ITU-to-ANSI and has Calling Address Pointer=17, and ONLY when MSU crossing from ANSI-to-ITU and Cluster of OPC=17: only in these 2 cases an extra byte appears after the end of SCCP Portion and before the beginning of TCAP portion. Converted messages may not properly decode and may be discarded.
138102		2	AMGTT:CgPA GTA digitsgetting modified using CdPA AMGTT Data	If 1) AMGTT is active for a translation (either linkset or by translation rule) 2) CdPA translation has MGTT data 3) CgPA translation does not have MGTT data then The CdPA digits will replace the CgPA digits in the relayed SCCP message.
138243		2	ath_386a.ASM line 1012 obit continuously LIM cards on 62.10.1 build	When a card boots, the associated signaling links on the card go to an Out of Service state. In normal conditions, it should not affect the traffic because the signaling links on the mate should carry the traffic.
139613	Y	2	Module TS4_ISR.C Line 286 Class 6004 on E1 cards processing XUDT traffic with invalid option portion length	When a card boots, the associated signaling links on the card go to an Out of Service state. In normal conditions, it should not affect the traffic because the signaling links on the mate should carry the traffic.
132512	Y	3	Large primary network latency on multihomed association causes M2PA T7 timeout	If the network RTT skews over RTIMES * RMAX for the primary path, the parent link is dropped causing a CO/CB to occur even though the association is multihomed.
135905	Y	3	M3UA IP Connection Refused during Assoc Establishment	Association does not go to CONNECTING mode after removing ethernet connection it reported as ESTABLISHED.
135908	Y	3	IDP feature is changing the Numbering Plan in the outgoing CAMEL IDP message from ISDN to Telex.	If the length of the conditioned digits of the IDP message is shorter after the conditioning than originally came in the header will be overwritten. This makes this feature unusable for making the conditioned digits shorter.
138609	Y	3	R41: Encoding scheme is not auto calculated for MGTT when sending message from ANSI (GTI=2) to ITU (GTI=4).	When the MSU crosses domains from ANSI to ITU, the Encoding Scheme would be unknown at the receipt end when the GTI value is 4. This could lead to loss of traffic.
138625	Y	3	Point code for incorrect in SEAS LRN error message	Customer can not use SEAS to indentify point code incorrect set in MSU. They will need to look at the UIM on the VT320 or KSR Terminal.

Table RN-2. EAGLE 5 ISS 40.0.1 Resolved PRs for Build 40.0.1-61.49.0 (5/15/09) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
138776		3	After flash of BLCPLD -OBIT Occurs (Module ath_vxw.c Line 2714 Class 0001)	
138827		3	IDPR: Unable to Shrink TLV Length Part	
139692		3	EIS-Monitoring: Eagle will encode the Near End Point Code (NEPC) incorrectly in SRM/PIM message with MLS feature ON	
137738		5	MO SMS NP and IGM: Ignore NP parameter in ODA	

Table RN-3. EAGLE 5 ISS 40.0 Resolved PRs for Build 40.0.0-61.48.1 (3/10/09)

PR #	CSR?	Sev	Title	Customer Impact
126101		2	IPGW double-hop pacing results in steady state traffic loss for ITU traffic when IP connection fails	There can be loss of traffic due to the restricted model of SLS distribution of incoming MSUs. If IP connections fail in an IPGWI linkset with more than 2 links, traffic could be discarded steady state until the connection is restored. One possible workaround for this problem is to use the RANDSLS feature for the IPGWI linkset to have a wider range of SLS values delivered to each IPGWI card in the linkset. Care should be taken if considering this due to potential mis-sequencing issues associated with the use of the RANDSLS feature.
126800		3	IDPR PREFIX table allowed user to enter duplicate entries	
128536		3	Check whether linkset specified in rtrv-rte command exists in linkset table	
128539		3	Optimize code for processing routing keys data associated with an AS.	
128758		3	Fix AS index and RContext in the pass command "TESTUA -t msg"	
129097	Y	3	Inhibited Cards Should Not Display UAMs 0033-0038, 0442 - 0451, 0492	They will still continue to see alarms on inhibited cards.
129104		3	FPB_UTL Troubles need to be converted to a renotification UIM	

Table RN-3. EAGLE 5 ISS 40.0 Resolved PRs for Build 40.0.0-61.48.1 (3/10/09) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
129638	Y	3	Potential for SS7 DDB inconsistency in RTE table when disabling LSRESTRICT feature	Minor - DDB RTE table may have inconsistencies if the LSRESTRICT feature is disabled. This is felt to be a very unlikely scenario in the field and can be cleaned up manually or via init'ing cards.
129667		3	netstat -i command output is inconsistent for link speed indication	
130188	Y	3	GWS Binder buffer leak for CdPA screenset	The GLS card could boot. There is no operational impact.
131455		3	Sev 1 ATH while provisioning in ENT-LNP-SERV command	
131586		3	Intra-card integrity feature incompatible with old versions of gp_conversion	
132086		3	Flexible Prepaid IDP Query: incorrect RTDB lookup behavior	
132586		3	ASD IDPR TTROPTS:NPTYPE = ANYMATCH option treats "No entity found" as Failure	
132888		3	RTDU Task (APPL_ID_RTDU) support missing in ATMHC GPL	
133383	Y	3	IPSG: AS NTFY is not generated for ASPIA	Far end is not correctly updated with AS status.
133732		3	OAM is raising Daughter board BIP alarm though the ENET card is not having Daughter board	
133742		3	rept-stat-sccp:loc=xxxx does not display LNP features' statistics	
133744		3	INPQS is displayed when error threshold is exceeded for LNP msgs	
133745		3	APPL data MB conversion not performed correctly for MB rev 21	
133839	Y	3	WHEN LOADING E5 E1 / T1 MEM CARDS GPL ONTO CARD, CARD OBITS	When following the current procedure in the Maint Manual (page 3-104, 910-5272-001), GPLs loaded but now the card continually reboots with obits rolling. In order to properly flash the cards we eliminated Step 5 and the process was able to complete successfully.
133976		3	UAM 424 displayed twice when LNP feature is turned ON	
134029		3	rept-stat-lnp does not report LNP SS alarms	

Table RN-3. EAGLE 5 ISS 40.0 Resolved PRs for Build 40.0.0-61.48.1 (3/10/09) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
134031		3	UAM 435 does not get cleared for the LNP SS even after dlt-ss-appl/dlt-map command	
134032		3	Self and mate SSN status does not get cleared for LNP SS after dlt-ss-appl and dlt-map commands in rept-stat-lnp	
134033		3	LNPQUNPA system total LNP measurement peg not updated correctly for RIDB architecture	
134080		3	LNP SS details not displayed in output of rept-stat-sys	
134139		3	PROT: ent-trace command can cause card to reboot	
134165		3	Incorrect definition for MSGSTRAN in Maintenance Manual	
134173		3	PROT: ent-trace problem for imei digits	
134194		3	UAM 434 issued continuously after last SCCP card is deleted	
134391		3	Full and Intra Release upgrades fail when fixed disk is used as source	
134641		3	HCMIM REPT-STAT-CARD output is NOT displayed completely by IPS card.	
134761		3	ANSI Random SLS: with Combined linkset 2nd linkset not performing 5-8 bit conversion properly	
134808		3	rtv-isup-msg output shows 0 and 1 for active parameter values instead of yes and no	
135004		3	ITU-N-SPARE MSU triggering UDTS with MTP part showing OPC=DPC=0 due to ITU-N-Spare SID not provisioned	
111133		5	INP Support for Non-Segmented XUDT Queries	
114186		5	Move GLS to EPM	
126584		5	Additional Subscriber Data	
127421		5	Increase Sigtran IP Host Table to 2048	

Table RN-3. EAGLE 5 ISS 40.0 Resolved PRs for Build 40.0.0-61.48.1 (3/10/09) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
127667		5	PT conflict: IGM. SMS Fraud check, and number portability	
128159		5	SLS Bit Rotation by Incoming Linkset	
128573		5	MO-based IS41 SMS Support for ITU Transport	
128585		5	ITU TCAP LRN Query	
130534		5	MO SMS Migration Enhancements	
130937		5	HomeSMSC Check Bypass Option for MO-based IS41 SMS NP and MO SMS IS41-to-GSM Migration	
130964		5	MO SMS IS41-to-GSM Migration	
131096		5	MO-based IS41 SMS NP and MO SMS IS41-to-GSM Migration Support for B Number in ODA	
131194		5	HomeSMSC Match with Digits for MO-based SMS NP and MO SMS IS41-to-GSM Migration	
131456		5	Remove A/G-Port Dependencies on MO SMS Features	
132508		5	TIF Support for new formatting action:SRFIMSI	
132510		5	Flexible Prepaid IDP Query Relay support for new formatting action: SRFIMSI	
132997		5	NPP Enhancements	
134532		5	Update default values for chg-gsmopts command	

Table RN-4. EPAP 12.0.1 Resolved PRs for Build 12.0.1-122.2.0 (04/17/09)

PR #	CSR?	Sev	Title	Customer Impact
137554	Y	3	IMSI is not updated to any RTDBs homed to the Active PDDBA, but any RTDBs homed to the Standby do get those IMSIs.	RTDBs homed to the Active PDDBA will have incorrect data if the provisioning scenario described in the PR description is used without the force=yes parameter.
139153	Y	3	Network Entity Empty in EPAP DB	NE data missing on Active PDB and all RTDB's homed to that PDB. .
139766		3	EPAP: IMSI range retrieval corrupts NE cache after an update to the NE.	

Table RN-5. EPAP 12.0 Resolved PRs for Build 12.0.0-120.8.0 (03/10/09)

PR #	CSR?	Sev	Title	Customer Impact
132768		2	create_pdb fails after filling /var/TKLC/epap/db/pdb/ to 100%	Assistance from TAC is required to execute the create_pdb function for large Provisionable DataBases (PDBs).
50312		3	Decode of ExAP Application Bit Encoded Alarms Strings Mismatch ExAP Application Banner Alarms	
112191		3	EPAP- 96 million conversion script does not take in to account larger drives	
122168		3	96MGflex_install_script incorrectly reports failures	
127518	Y	3	PDBI export stops when file reaches 2GB.	The PDBI export will be incomplete if the PDB database is over 2GB. PDB exports for which export files exceed 2GB must be export in ranges.
130209		3	Small PDDBA memory leak on failed cmds	
133111		3	Remote Port Forwarding information missing from PDBI Manual	
134148	Y	3	Snapshot mode export should contain warning about performance implications in customer documentation	Customer is not warned of system impact when running export in snapshot mode.
134221	Y	3	EPAP PDBI upd_sub command is not working for more than one DN with an SP.	Customer can not perform command as described.

Table RN-5. EPAP 12.0 Resolved PRs for Build 12.0.0-120.8.0 (03/10/09) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
134710	Y	3	PDBI Manual does not document correct syntax to specify new SP or RN	The EPAP will reject commands in the old syntax. In previous releases, an object could have been moved to a new SP or RN by specifying the new parameter. Example: dn 886001043570 is on RN 1419. "upd_sub(dn 886001043570, pt 0, sp 886936000085)" would move it off the RN and onto SP 886936000085. The syntax to accomplish this now is "upd_sub(dn 886001043570, pt 0, sp 886936000085, rn none)"
134843	Y	3	EPAP Administration Manual does not mention possibility of REPLERR when documenting Proxy feature	If REPLERR is encountered it will require manual intervention.
96931	Y	5	Restore PDB forces restore on both PDB without validation	
103826		5	pdbBackup logfile needs to monitor the tar/gz processes	
104185		5	Incomplete backup files should be deleted	
123352		5	PDBA restore should not allow incompatible backups to be restored.	
125216		5	120 Million EPAP DN/IMSI entries	
125733		5	SECURITY: Disable SSH Version 1 in EPAP	
125742		5	SECURITY: Set UserDir Directive to "Disabled" for EPAP	
125744		5	SECURITY: Disable HTTP TRACK/TRACE for EPAP	
126584		5	Additional Subscriber Data	
127667		5	PT conflict: IGM. G-flex, and number portability	
128007		5	SECURITY: Disable Use of SSL Version 2.0	
128008		5	SECURITY: Limit Server Information in Response Headers	
129964		5	/var/TKLC/epap/free/ibbackup directory not removed on failed backup	

Table RN-5. EPAP 12.0 Resolved PRs for Build 12.0.0-120.8.0 (03/10/09) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
130427		5	PDB does not provide capacity threshold alarms.	
132217	Y	5	Tab instead of space causing import to fail and to replication to stop	
132219		5	Customer documentation does not instruct customer not to use tabs in import file.	
134457		5	syscheck disk space shortage alarm thresholds for /var/TKLC/epap/rt should be increased	

Known PRs

Table RN-6 on page RN-15 lists known PRs for EAGLE 5 ISS 40.0.

Table RN-7 on page RN-67 lists known PRs for EPAP 12.0.

Table RN-8 on page RN-70 lists known PRs for EAGLE EMS 40.0.

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

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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.
125929		2	Resolved	No-Fix	Multicast pacing with older 2 port cards	Should the various high performance cards begin transmitting a sufficiently large number of multicast messages, as paced by the TVG limits currently set, 2-port LIM cards could boot due to insufficient capacity to process the burst of messages.
126194		2	ReadyToTest	Active	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.
126260		2	Resolved	Defer	With eiscopy=on, inh bus causes dpl_end.c Line 1645 ATH	Lose copy to IMF of some MSUs under heavy load and IMT failure. No live traffic loss.
127232		2	Resolved	Defer	BPHCAP can only support 4500 Multicast's per second	If DDB updates are over 4500 per second for BP cards, then IMT could be over loaded and messages could be lost, causing DDB corruption should an IMT bus fail. BPHCAP can only support 4500 Multicasts per second.
128202		2	ReadyToTest	Active	ATI/MLSS csvgen/swap support and commands for FTRA	None - ATI is in development
135449		2	Resolved	Defer	E5-SM4G: Double bit errors do not have a way to get reported to Software	A double bit error can cause the card to fail with no obits pointing to a memory problem. This is unlikely to happen.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
136222		2	Resolved	Defer	Module sentry.c Line 762 Class 01c1	For SSED CM cards in an IPGWI linkset, under heavy traffic, if 5-6 cards lose their hosted associations such that they are constantly double-hopping their traffic to the remaining cards, and the combined traffic to a remaining card exceeds card capacity, the remaining cards can (and probably will) obit after a period of time.
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.
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.
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 the 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.
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.
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.
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.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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.
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.
89679		3	Resolved	Defer	UALOG enhancements for SUA and M3UA	<p>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.</p> <p>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.</p>
90227		3	ReadyToTest	Active	flash-card incorrect error code for HMUX/HIPR	Command should be E2212 "Card location specified is not valid for this command". The current error is "E2016 Cmd Rej: Card Location is out of range - loc".
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.
96621		3	Resolved	Defer	Multiple IPGW TPS Feature Quantities permanently enabled	<p>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.</p> <p>There is no impact for non-IPGW customers.</p>

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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.
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.
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"
105480		3	Pending_Review	Monitor	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.
106162		3	ReadyToTest	Active	OBSR: Wrong Error output for ent-gttset command	None: incorrect command error is output, it is not misleading, just different from the original command spec.
106162		3	Resolved	Defer	OBSR: Wrong Error output for ent-gttset command	None: incorrect command error is output, it is not misleading, just different from the original command spec.
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.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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.
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.
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.
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	Resolved	Defer	Telcordia - 34.0 audit - NCR: Unexpected Response-TCR when Secondary Route Changes from Prohibited to Restricted	This could introduce unnecessarily delay the restoration of traffic to SPF1, until the adjacent node sends a route-set-test (RST) message.
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	IMPACT: 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.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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.
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.
109354		3	Pending_Review	Duplicate	SCCP_ITUN_unequipped_user - Telcordia - (ITUN) Incorrect Return Cause for Received SCCP Message for Unequipped SSN.	There is no impact to user. User is not supposed to send Rt-on-SSN queries to eagle without defining the SSN in the local subsystem. If they erroneously do, then they get a wrong cause in the UDTS Eagle generates.
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	Booting the active to cause a switchover will also correct the problem. There was no noted impact to SEAS command processing as a result of the missing CLLI. WORKAROUND: May be corrected by re-entry of the CLLI.
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.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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	ReadyToTest	Active	SCTP Init Issues12-Telcordia-3)_INIT with non-zero Verification Tag was accepted	Minor (and debatable) non-compliance to RFC2960. No other 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.
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	ReadyToTest	Active	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.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
109893		3	Pending_Review	Invalid	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.
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	ReadyToTest	Active	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	ReadyToTest	Active	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.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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	ReadyToTest	Active	SCTP Init Issues27-Telcordia-18 18) SUT sent an ERROR chunk when a valid COOKIE ECHO chunk with an expired State Cookie was r	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.
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	ReadyToTest	Active	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	Pending_Review	Invalid	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.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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	Pending_Review	Invalid	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.
109911		3	ReadyToTest	Active	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	ReadyToTest	Active	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	Pending_Review	Monitor	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.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
109917		3	Pending_Review	Invalid	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.
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.
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.
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.
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.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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.
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 sporadically 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 Obbit after receiving a continuous stream of SLTMs	If a node interfacing with Eagle start sending SLTM messages more than 1000 messages per second for a period of time, it can result in booting the card with obbit "system run out of system buffer".
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-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (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 a 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.
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.
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.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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.
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.
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		3	ReadyToTest	Active	Telcordia - Eagle not reporting congestion abatement in a timely fashion	TFCs are generated a few seconds 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. 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.
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.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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.
113837		3	Resolved	Defer	DISP-TRACE command does not display all entered traces.	Minimal customer impact. When trouble shooting TAC 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.
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.
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-applsock 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	ARICENTPV_Rel 35.3: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.
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.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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.
115253		3	Resolved	Defer	t4b_bm.c Line 365 on 25% HCMIM LSL post an init-sys	While an HC-MIM 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.
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).
115541		3	Resolved	Defer	ARICENT PV_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. Insted 3-3-0 is shown as X-LIST entry.
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.
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.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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.
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.
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
117356		3	Resolved	Defer	Telcordia - 35.0 audit - NCR: RSPs Concerning Prohibited PCs within nested clusters not sent immediately when TCR received	On reception of TCR, RSPs concerning the prohibited full point code could be delayed. Since the Eagle does send RSPs periodically (after every expiration of timer T10) in this situation, there is minimal impact on the network.
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.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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.
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.
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 occurred 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 lose 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.
118226		3	Resolved	Defer	AricentPV_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.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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	ARICENTPV_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-rtdb error of "one optional parameter required" should give more information	Since the rtrv-data-rtdb command requires at least one of several optional parameters, more information is needed.
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.
119292		3	Resolved	Defer	AricentPV_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.
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.
119513		3	Resolved	Defer	SUA DUAD - Telcordia - UIM 1333 has an error output message	Typo in UIM report only. No customer impact.
119563		3	Resolved	Defer	rept-stat-card:appl=sccphc does not display E5-SM4G cards rept-stat-card:appl=vsccp does show sccphc cards	Minimal system impact. The correct appl value to use is sccp not sccphc. sccphc is a GPL not an application. The command should be rejected if sccphc is used.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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)	
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.
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.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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>]
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.
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. There is no customer impact.
120871		3	Resolved	Defer	CDPA Screening Table Capacity Reported Incorrectly	Customer may over provision CDPA rules when relying on the percentage full information. The over provisioning can cause incomplete screening rules download to network card.
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

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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
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 SCCC Traffic and Total MSU/S when DSM Cards are Added to Eagle	11 of 22 E5-SM4G cards were replaced with DSM cards. Erroneous information reported for a short period of time while DSM cards loading.
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.
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.
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.
122528		3	Resolved	Defer	SSH Key exchange failure when host keys change on the Eagle	Manual key file changes/reset may be required for end-equipment.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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.
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.
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.
123146		3	Resolved	Defer	EOAM needs to begin restricting RTX OPC provisioning to prevent CRD issues	Chg-rtx does not keep an customer from entering circular routing on hte ILSN linkset.
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.
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.
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.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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.
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
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.
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.
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.
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=vsccp command issued 30 minutes after the original did not result in the MTOS_MSB ATHs.
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.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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.
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.
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.
124465		3	Resolved	Defer	sctp pass command's -r and -m options are not working properly	User unable to use the "sctp -r a/p aname/port" pass command to clear the pegs for a particular assoc/port
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 works
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	<p>If the following DMS errors are seen the upgrade will fail:</p> <pre>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.</pre> <p>Through the use of health checks, the system should be determined to be stable enough to perform the upgrade.</p>

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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.
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	The system impact is minor. The SEAS gateway activity threshold UIMs are not output.
124725		3	Resolved	Defer	SEAS- extraneous rept-rteuav messages are being sent after MASP initialization	SEAS- extraneous rept-rteuav messages are being sent after MASP initialization
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.
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.
125277		3	Resolved	Defer	Telcordia-37.5 audit - SCTP - SUT did not retransmit Max.Init times when it didn't receive INIT ACK response	The 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.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
125422		3	Resolved	Defer	VFLEX - Congestion causes SEV1 ATH's - Module ATH_SS7.C Line 1162 Class 01c3 Severity 1	Additional troubles during periods of Congestion. No additional operational impact
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.
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 Telecordia. 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.
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.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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.
125723		3	Resolved	Defer	Legacy issues found during ARHOST MT	However these scenarios are uncommon but easily reproducible and therefore impact the Eagle usability.
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
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.
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	Under a certain combination of conditions - the log buffer just wrapped around, with less than 4 troubles to be logged - an attempt to log the last 4 trouble reports at the end of the buffer fails. Note that after wrap-around has occurred, the troubles at the end of the buffer are ignored anyway, with only those at the start being logged.
125914		3	Pending_Review	Invalid	Telcordia - 37.5 Audit - SUA - SSA for remote SSN=1 Ignored by EAGLE	

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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.
125951		3	Resolved	Defer	The OPC encoding may no reflect MLS OPC in TFC/UPU generated for IPGW cards	<p>UPU Encoding :</p> <p>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 MASP.
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	Resolved	Defer	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.
126110		3	ReadyToTest	Active	Telcordia - audit - MTP3 - Eagle sending TCR instead of TFR in response to RSP for xlist entry	No customer impact. instead of TFR for deleted xlist a TCR is sent, which is a right reflection of cluster status.
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.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
126675		3	Resolved	Defer	CPU usage in REPT-STAT-SCCP is incorrect for EIR service.	Intermittent invalid CPU usage report for EIR traffic in rept-stat-sccp. The issue is caused by a 16-bit timer rollover problem so it does not happen very often and corrects itself on the next 30 second interval.
126705		3	Resolved	Defer	IPLIM/IPGW cards can take over 5 minutes to go IS-NR after INIT	reload time is longer than expected
126945		3	Resolved	Defer	Command response reporting incorrect for init-card:appl=xxxx command	The issue is that the spacing is incorrect between the words "IPSG" and "cards". There should only be one space in between these two words. If a customer is automatically scanning for output it could be missed.
126961		3	Resolved	Defer	MLS - Unnecessary TFRs are sent on an alt route when a higher-priority alt route becomes available	No customer impact except unnecessary Network Mangament messages are reported.
127123		3	Resolved	No-Fix	Change IP elements to SIGTRAN elements in customer docs	Should be minumul as terminaology in place has been used since introduction of SIGTRAN links. Individual cases that are wrong will be as separate issues and fixed.
127180		3	Resolved	Defer	MTSMSN: Unexpected ecd_sccp.c Severity 1 reported with UIM1232 SCCP Encode Failure	APOINT puts out a Sev 1 ATH and UIM 1232 while trying to send an ACK to incoming MSUs with SCCP CGPA GTI as 1 (unsupported).
127385		3	Resolved	Defer	ent-trace rejects DN as parameter if IGM only is enabled	Debug command only impacted. May take TAC longer to trouble shoot an IGM issue.
127386		3	Resolved	Defer	ent-trace control list for entity is incorrect	Debug command impact only.
127520	Y	3	Resolved	Defer	UAM 0040 GPL SYSTEM SCCP GPL is Corrupted Displayed - Procedure from Maint Manual Did Not Clear UAM	The Eagle is misreporting thus the customer can not tell if they have a real issue or not.
127764		3	Resolved	Defer	Telcordia - 37.5 audit - SEAS - MTPRSE Parameter in ADD/chg-LS Must Be Null if Restart Feature Off	Customer must use Null in place of "0", even though the spec says "0" should be accepted.
127767		3	Resolved	Defer	Telcordia - 37.5 audit -Seas EAGLE accepted remarks parameter in various add/chg commands - instead of sending error	Customer may wonder what happened to their comment.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
127773		3	Submitted	More Information	Telcordia - 37.5 audit - SEAS Register MSUDISC2 in P_COMP Reports Too Few Messages	
127775		3	Resolved	Defer	Telcordia - 37.5 audit - SEAS - Remotely Congested Links Reported as "OOS" in D_MTCS report	The customer using SEAS cannot distinguish OOS-MT from OOS-MT-DSBLD since we only put out OOS. We need to put out 'UNAV' for OOS-MT and 'OOS' for OOS-MT-DSBLD.
127776		3	Resolved	Defer	Telcordia - 37.5 audit - SEAS - Eagle Does Not Allow PRI=* for CHG-SCRSIO When Entry Contained Range of 0-3	SEAS requires the range to be specified rather than '*', but the user can still do what is needed for provisioning.
127777		3	Resolved	Defer	Telcordia - 37.5 audit - SEAS - Register MSUDISC3 Present in P_MTCD	Extra register in SEAS MTCD-LINK reports.
127778		3	Pending_Review	Monitor	Telcordia - 37.5 audit - SEAS - VFY All Entries Response for Some GWS Tables Temporarily Returned Partial Values	
127825		3	Resolved	Defer	Telcordia - audit - M2PA - Alignment Repeatedly Reattempted Upon Receipt of a Looped SLTM	M2PA link is unavailable to handle traffic as long as the link receives the same SLTM in a loop.
127826		3	ReadyToTest	Active	Telcordia - audit - UIM 453 needs a better description in the documentation	
127826		3	Resolved	Defer	Telcordia - audit - UIM 453 needs a better description in the documentation	the text may not be as clear as it could.
127907		3	Resolved	Defer	Telcordia, T1 timer slightly long	Time controlled re-routing due to remote link inhibit may cause traffic to be buffered longer than the provisioned L3 T1 value. (have senn 95ms longer in lab.)
127926		3	Resolved	Defer	Command "init-card:appl=scphc:loc=<loc of E5SM4G card>" should be rejected at Eagle	The customer will boot the card at the location specified instead of the command being rejected.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
127989		3	Resolved	Defer	Severity gta_dbup.c is observed at EAGLE when we give DLT-MAP command	The impact is that an invalid error message is being displayed to the user if they delete the MAP entry associated with their STP's subsystem.
128130		3	Resolved	Defer	Support TST-SLK:LOOPBACK=SLTC missing from IPLIMx cards for M2PA Links	Minimal since this is just a more robust use SLT for testing than what is automatically performed on the link.
128286		3	Resolved	Defer	6WAYRS: AR_DEV_38.0:TST-RS Support required for IPSP GPL	This feature is not yet available
128297		3	Resolved	Defer	Telcordia, sigtran meas, RGLBLSET value increased for some schedules	RGLBLSET value increases for some schedules with no change in register content. This is for SEAS.
128307		3	Resolved	Defer	Telcordia, sigtran meas, MTCPTH TLNKACTV was not correct for HSL links	Due to link activity being defiened as the taotal time actualy transmitting versus the amountb of idle time IP link value appears to be very high. This may give customer misconception that link is not processing traffic correctly.
128329		3	Resolved	Defer	Telcordia, LIM-ATM Meas Issue w/ Congestion	Might mislead customer that there was very little congestion on the link. TDCNGLV1 is pegged only when the elapsed time (while the link is in CNGLV1) is > 500 ms. The time is rounded up if greater than 500 msec unit and pegged in TDCNGLV1. So if Congestion remains for small duration say 400 ms, nothing would be pegged. Now in this case, as evident from the capture and value of the counter ECCNGLV1, the link went into Congestion 1 and abatements multiple times within short durations. Hence TDCNGLV1 would be equal to duration/sum of durations that are greater than 500 ms during which link was in congestion for time.
128329		3	Resolved	No-Fix	Telcordia, LIM-ATM Meas Issue w/ Congestion	Rounding potentially causes total time in congestion level to be less than it actually should be. However the peg counts for discarded and entering and leaving congestion are accurate so appropriate trouble shooting can be done.
128334		3	Resolved	Defer	chg-measopts error code discrepancy in documentation	The error message coming out may not proovide the customer all the information to correctly input the command. They would have to do trial and rerror to figure out what is wrong.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
128583		3	Resolved	Defer	IPSG: Telcordia, Sigtran, seas, MSGSTRAN value was 1 greater than expected	MSGTRAN could show a difference of 1 (greater) than actual messages transmitted for IPSG M3UA links in certain scenario only . Message are properly sent over the network. This happens when ASP is made active in middle of measurement interval.
128587		3	Resolved	Defer	Telcordia, Sigtran, seas, DURLKOTG register was not correct for IPSG M3UA links	DURLKOTG register depicting the duration of link Unavailability to MTP3 could be wrong in measurement report in when the ASP is activated during the measurements interval..
128590		3	Resolved	Defer	Telcordia, Sigtran, seas P_RBASE LINK congestion registers were not correct for HSL links	<p>1. No change in congestion register values for HSL links - register values still corresponded to HCAP values instead of E5-ATM values.</p> <p>2. Danger of Congestion Onset (See Table 23 in FD005925v2.1.doc) was not correct for IPSG (M2PA and M3UA) and IPLIM M2PA links. Expected value was $\text{Min}(\text{SLKTPS} * \text{Assoc.RMIN} * 2, 1250) = 1250$ when $\text{SKLTPS}=100$ and $\text{Assoc.RMIN} = 120$. Reported register values were based on a Danger of Congestion Onset value of 600.</p> <p>3. Link Alignment timer registers were not correct for IPLIM and IPSG M2PA links - reported values were '*' instead of m2pa-tset values.</p>
128592		3	Resolved	Defer	Telcordia, Sigtran, Seas, SURCVERR did not include messages with an invalid SCTP checksum	The normal measurement will not indicate all the errors happening on the link.
128615		3	Resolved	Defer	Output from Upgrade out of order and not consistent with other command output.	Output does not come out as intended. No functional impact.
128715		3	Resolved	Defer	TYPE=GPSM is not valid for RTRV-STP	Cannot retrieve the default type for GPSM and HMUX by themselves on rtrv-stp.
128716		3	Resolved	Defer	Sigtran Meas: SCTPASOC report SCPKTSNT and SCPKTRCV pegs off by one	The measurement counts will be one less for everytime the association establishes for SCPKTSNT and SCPKTRCV within a measurements period.
128716		3	Resolved	Defer	Sigtran Meas: SCTPASOC report SCPKTSNT and SCPKTRCV pegs off by one	Initial messages for association establishment are not pegged. This has no impact on system.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
128836		3	Resolved	Defer	incorrect output of pas:loc=1305:cmd="sctp" command	Pass command is displaying wrong output while SCTP association is in connecting state and remote end is not open. This does not impact system functionality but end user can be confused by seeing the output of pass command in this scenario.
128871		3	Resolved	Defer	Module lb_mgr.c Line 2960 Class 0001 Severity 2 seen during upgrade network conversion of DSM cards	There is no overall system impact.
128873		3	Resolved	Defer	multiple LIME1 cards obit with Module adl_mgr.c Line 916 during upgrade	This occurred on unreleased software for an upgrade path not in the field. Do not expect to see this live sites.
128897		3	Resolved	Defer	IPSG: chg-assoc:alw=no not logged for M2PA association	This command option is not used on this card as the dact act slk covers this function.
128900		3	Resolved	Defer	IPSG: AS notifications don't consume TX grants on IPSG	There shouldn't be any customer impact for this PR. AS Notifications are not consuming TX capacity, but are still working properly.
128904		3	Resolved	Defer	card state not reset when incorrect card removed from slot	This is not a change in the way the card is reported. So there is no impact to the customer.
128927		3	ReadyToTest	Active	6way: ent-rtx & chg-rtx results in route status bouncing between restricted & allowed.	
128928		3	Resolved	Defer	MOBR - Text of E4579 is not descriptive for cmd "chg-stpopts:mtplprst=no" (MOBR enabled).	Customer may not understand fully why option can not be used. Will have to take additional time reading the Manual to understand the command error made.
128950		3	Resolved	Defer	Remove ASM from MTT error messages	None as customer could not be using unsupported card. This just cleans up the output.
128963		3	Resolved	Defer	Excess Retransmit/Connection Restr/Conn Unava on GW cards	This alarm indicate the number of retransmits occurring exceeds defined thresholds however, there is no data loss. The work around for this problem is to increase the value of the retransmit threshold (RTXTHR to value other than the current default value of 0) for the association exhibiting the alarm. This should prevent/reduce chances of raising the alarm.
128964		3	Resolved	Defer	SSEDCM IPLIM Copy De-Activate	If running at card capacity, only IMF copies are being lost due to IMF being disabled - original routed traffic is not lost.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
128990		3	Resolved	Defer	SM4G obit during card restart Module ath_vxw.c Line 2510	The SM4G card may double boot when coming up from a cold or warm boot. System recover even if the SM4G takes longer to be in service.
129024		3	Resolved	Defer	Dual-Slot DCM Obsolescence Test takes too long.	On some system, the test takes longer. However, since the command take several hours to execute the overall impact in imperceptible.
129063		3	Resolved	Defer	Klocwork: fixing legacy EOAM Errors	No known system impact. Errors detected by clockwork only.
129089		3	Resolved	Defer	Meas data store clearing enhancement	Under rare cases additional garbage may be present in some reports after upgrade. this will clear on its own based on the time retention of the report.
129159		3	Resolved	Defer	inh-alm:dur=temp....Instead of a command successful message for this, a command reject message would be more helpful for user	The current text that is output does not clearly indicate that the temp alarm inhibit was not allowed.
129236		3	Resolved	Defer	ASP notifications not transmitted even though UAPS ASP/AS notification option is enabled	There should be no customer impact. This functionality is a Tekelec customization and is not being used currently by any customers.
129302		3	Resolved	Defer	SM4G card load percentage reported as being greater than 100% during resync	Customer may be confused as to why a card can be more than 100% loaded and yet still not be in service. You can never be more than 100% loaded.
129343		3	Resolved	Defer	DMS silent failure if table not found during DMS init	<p>If, during DMS initialization, a file is not found that should be found, the EAGLE does not produce an ATH or return DMS_ERR. When this happens DMS read/write errors occur during DB provisioning and/or backup/restore operations.</p> <p>The DMS initialization failure should be reported at initialization time and some notification (such as an SEV_LOG ATH) should be raised.</p> <p>The error and recovery are currently silent. That is the customer will not see it. There is no systme impact.</p>
129420		3	Resolved	Defer	Incorrect byte order for Network Appearance in MSUTRACE display	Trace output of the MSUTRACE pass command has the M3UA/SUA network appearance parameter value in host byte order instead of network byte order

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
129523		3	Resolved	Defer	On E5-ENET card with a single link EMP connection congestion/discards occurs on at high traffic rates	None - the traffic rate required to cause this issue is well beyond the engineered traffic rates supported for IMF on E5-ENET. EMP socket congestion is expected in this case,
129531		3	Resolved	Defer	rtrv-ctrl-feat causes multiple sev 1 troubles MTOS_MSB.C Line 362	The troubles are sent when multiple SCCP cards are downloading from the MPS. The troubles are caused by the active MASP sending too many progress status messages over to the standby. There is no impact on the system as the SCCP cards continue to load and the command output is received.
129540		3	Resolved	Defer	rtrv-slk will not display a complete message when a parameter is used, which is not inservice or not yet configured.	If no signalling links have been provisioned, and if invalid parameters are supplied to the rtrv-slk command, then no links are retrieved as expected. In this situation there is no explicit indication that command has completed. This situation has existed since the inception of the rtrv-slk command.
129547		3	Resolved	Defer	SUA Associations cannot be set as client with a PARM 10/PVALUE 1 combination	No customer impact. In order for the associations to come up as Client the card will need to be placed in debug mode. This is not a customer supported config.
129554		3	Resolved	Defer	Can't change BIP Fields using BIP-CHG-FLD command.	This should only be changed by TAC. Also we have alternative way of changing the fields.
129592		3	Resolved	Defer	Regression - RANDSLS with SCCP messages does not appear to be random	None. Results should still be random in the long term, and to get into the latest pattern of consecutive MSUs going to the same outgoing link requires an identical incoming traffic pattern which is probably only possible with lab traffic generation.
129596		3	Resolved	Defer	regression - Unexpected TFPs during MTP Full Restart after T25 expires	In condition when Eagle has not completed sending TFX messages and T25 expires, it continues sending any pending TFX message. This problem can be avoided by carefully setting the T24 timer to suit the network requirement. If T24 is sufficiently large then it will give more time for TFX messages. GR spec recommends T24 to be network dependent. What it means is that default setting of T24 may not work for all the customer and hence must be tuned for customer requirements.
129603		3	Resolved	Defer	Incorrect SLK port id in Invalid Routing Context UIM	This issue is working as designed. If an association is assigned to multiple SLKS (mixed networks or not), the intended SLK cannot be determined since the Routing Context was invalid. We decided to just report the first SLK the association is configured in. After release 38.0, an enhancement could be made report an "Invalid SLK" somehow instead of just reporting the first SLK configured.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
129607		3	Resolved	Defer	Flash-Card should be command class System Maintenance	The commands require debug class to run.
129639		3	Resolved	No-Fix	rept-stat-db does not show proper dblevel for MO	A second attempt at executing the command succeeds.
129680		3	Resolved	Defer	Initialization of entry-delimiter/"pad" bits of static flags in static routing table.	No customer impact. These PAD bits are not checked.
129699		3	Resolved	Defer	TFA's not broadcasted after transition from restricted to allowed (SS7 ANSI Links)	On ANSI network when a PC transition from Normal restricted to allowed, TFA shall not be sent. The adjacent node shall discover the status by means or RSR message. For this reason the impact of this PR is negligible.
129711		3	Resolved	Defer	PROT: full_restart_txr_sent bit not maintained correctly	In Release 38.0 PR 128980 is taking care of the problem of the full_restart_txr_sent bit causing DDB checksum mismatches. This PR is being deferred in order to provide a more complete solution in 39.0. There is no impact to the customer.
129738		3	Resolved	Defer	SCCP Loop Detection: "rtrv-loopset" takes a lot of time to complete	Command completes after approx 17 seconds.
129754		3	Resolved	Defer	Trying to bring up the 2nd association between the EAGLE & EAST board & noticed a Emergency proving procedure instead of Normal	None, since M2PA proving messages are not acknowledged (emergency proving procedure is executed). Traffic on other links is not affected.
129773		3	Resolved	Defer	Correct format of MSRN not received in SRI Ack when MSRNDIG=CCRNDN and MSRNNAI=4 and SNAI=SUB	None. Configuration is conflicting and should not be used in the field (seen comment in eng notes). This may end up getting resolved via a documentation update.
129833		3	Resolved	Defer	Rel38.0:Severity 1 observed while deleting the signalling link	None the link is being deleted.
129871		3	Resolved	Defer	IPSG/IPGWx: NA value in err message invalid when network type mismatch	When a customer sends a DATA message where the network type of the Network Appearance value does not match the NI value, an ERROR message with error code "Invalid Network Appearance" will be returned to the far end WITH AN INVALID VALUE FOR NETWORK APPEARANCE.
129895		3	Resolved	Defer	Terminal issue with act-file-trns	Part of output is distorted. Customer can clear by pressing F11 to revert to pure VT320 then again to go back to KSR.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
129914		3	Resolved	Defer	SEAS RBASE IP links NRPRSTRS counting not-applicable registers, '*'	In release 38.0 there was change made to no longer count fileds without data for NRPRSTRS (represented by *). The RBASE reports was not yet updated to this new method. Possible confusion of downstream systems interpreting the SEAS reports, since all other reports use the new method of counting.
129934		3	Resolved	Defer	IPSG:inh-alm:dur=timed prompted scm_utl0.c severity 1 ATH	The ATH trouble will occur whenever inh-alm:dur=timed:dev=enet command is reissued after OAM init or OAM switchover has happened or set-date/set-time command is issued on Eagle. It is unlikely that any of these 3 cases will occur coincident with a timed alarm inhibit of an ENET device.
129953		3	Resolved	Defer	ath_ss7.c and mcbfr.c ATH's seen during congestion on IPLIM links	When link is changing over and routes are re-calculated, there is an anomaly in the code that could cause an invalid port index to be returned to application that is responsible for sending COO/COA. If application return invalid port index, it complains via the ATH mentioned in the PR. The system impact will be time controlled changeover in place of sequence controlled changeover.
129958		3	Resolved	Defer	Copy De-Activate on SSEDGM IPGW under network impairment test	If running at card capacity, only IMF copies are being lost due to IMF being disabled - original routed traffic is not lost.
130004		3	Resolved	Defer	SEAS D_NM LNKSET does not support the ACTIVE period for IPVHSL or IPVLGW link sets	Customer using SEAS will have to wait for collection to get the data.
130031		3	Resolved	Defer	no return result - but "Processing" when rtrv a not existed slk	The command does not hang, but the user is not given feedback that the entry doesn't exist in the table. The user can execut 'rtrv-slk' without any parameters and see the provisioned data and if the table is empty, a notice will output indicating such.
130041		3	Resolved	Defer	Rel38.0 : MLS : rept-stat-ls:apc=<> output not aligned	The output view just does not have the columns aligned.
130052		3	Resolved	Defer	ATINPQ: MSU matches ATINP srsvsel, but fails for an unexpected reason	Need better UIM since the failure is due to provisioning done by Customer within the EAGLE. Without this the customer may not realize they have a provisioning error.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
130087		3	Resolved	Defer	Conversion of BICC messages that are too large generates cnv_mgr.c ATH	Minimal - ITUN14 or ITUI MSUs that are larger than ~4092 octets, when they are attempted to be converted to ANSI or ITUN24 will generate an ATH instead of a UIM. This conversion is not possible, since the resultant MSU would contain a SIF greater than 4095.
130143		3	Resolved	Defer	Telnet terminal misses/mixes parts of messages	The telnet screen in which the command is typed may lose part of output if command input in middle of UIM. The UIMs will get logged completely, as well as display fully on other terminals, so the data is not completely lost.
130175		3	Resolved	Defer	Remove alarm inhibit support for TPS device	The customer has the ability to inhibit an alarm that will never occur. No operational impact.
130183		3	Resolved	Defer	MLS:Rel 38.0 Regression: Extra UDTS messages being sent to the originating node having multiple linksets associated to it.	With Multiple linkset to APC feature on, While generating UDTS message, Eagle will use the linkset SPC in OPC field. The only impact I see with this behaviour is that receiving node may raise an alarm or something to that effect complaining of OPC received in UDTS message.
130206		3	Resolved	Defer	IP Monitoring: Unexpected Errors in emp and scopy reports	When traffic is running below card capacity, there is no traffic loss. If running at card capacity, only IMF/emp/scopy errors are being pegged - original routed traffic is not lost.
130217		3	Resolved	Defer	connmgruasctp - Line 6431 seen during ANSI congestion duration run	When the SS7IPGW or IPGWI application running on E5ENET (IPGHC GPL) is subjected to extreme bi-directional loads causing IP Connection Congestion over extended periods of time, the card's connection manager may periodically report a sev 1 ATH at line 6431. This ATH indicates a self-correcting software fault, and the fault is not service-affecting. No action required by the customer for this trouble.
130225		3	Resolved	Defer	Module scm_utl0.c Line 6591 reported during full upgrade from 37.0 to 38.0	The only known impact was the generation of the ATH. Apparently this did not cause the upgrade to fail, nor did the ATH keep repeating, as there was already code that would only allow this ATH to occur once per card. Also, it is worth noting there were other cards of this type in the system that did not exhibit the same behavior as this card.
130226		3	Resolved	Defer	Module drms.c Line 6120 seen during full upgrade every time one of the MASPs boots	The ath may not be understood during upgrade. The high speed link count could be incorrect.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
130229		3	Resolved	Defer	Two LIM E1 cards boot with Module TKS_DP.C Line 920 during flash download of HIPR cards during upgrade	This issue has been traced to an IMT FIFO problem to which Class AC ECO 12960 applies. If this is a problem at a customer site the ECO can be implemented.
130234		3	Resolved	Defer	Module MCBFR.C Line 1422 severity 1 trouble seen as links are cancelled by upgrade on E1T1 channel card	The messages that is attempted to send is the changeover notification message to the only "available" link left. The problem is that the destination is really prohibited and not reachable, therefore this message shouldn't have been sent in the first place.
130372		3	Resolved	Defer	Add ATH in a2i_ts() for APPL-->COMM queue NULL_PTR	No known adverse effect on operational code at the moment.
130399		3	Resolved	Defer	seeq_utl.c Line 942 Class 01c3 received 4 times during an overnight Inbound Congestion duration on IPLIMI (SSEDCM)	Since the error is recoverable the system impact should be minimal. This register is read every time before transmission and to have only 4 timeouts during a stress test duration run shouldn't cause any customer problems.
130405		3	Resolved	Defer	Unable to generate Circular Routing UIM for M3UA or SUA	allows traffic to be run in and out of the same link.
130414		3	Resolved	Defer	IPSG M2PA scopy lost a few MSUs during Change Over	Since failures occurred only at computed 100% IMF load, if normal system guidelines are followed such that card won't exceed 80% of rated load when carrying all traffic after failures have occurred, no loss will occur. If traffic load after failures have occurred exceed normal network design limit of 80% of capacity, traffic loss can occur and will occur when load nears capacity.
130446		3	Resolved	Defer	Typo in UA RCVD MSG DISCARDED UIM - SLK OOS-MT-DSLBD	The test of the output has an extra D. Unless a customer is doing a full text match on the UIM there should be not impact.
130466		3	Resolved	Defer	IPSG: "E4255 - Total system TPS limit exceeded" not produced when 500,000 limit exceeded.	Customer can provision more than allowed capacity. This could possibly have negative affect of overloading the IMT if all capacity is really used
130475		3	Resolved	Defer	IPSG/IPGWx: UIM lacks error reason and ATH's when sending a DAUD with a bad parm length for affected PC	If IPSG M3UA or IPGWx receives a DAUD message having invalid parameter length, it correctly rejects the message and issues the correct UIM to the terminal, but the UIM reason is not correct.
130506		3	Resolved	Defer	Rel 39.0_Chg-gsmopts:Ent/Rtrv-srvsel is accepted when ";" is given after GTI value	An entry could be created different from what the user wants if the parameter following the gti param with a semicolon is specified.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
130553		3	Resolved	Defer	IPSG: rept-stat-card command shows IPSG card type as E5ENET.	No impact. The card type in rept-stat-card can report ENET instead of E5ENET for cards running the IPSG application.
130565		3	Resolved	Defer	User is able to move an association from non-IPSG card to IPSG card - should not be allowed per FD	None. User is able to move an association around by changing the host from an IPLIMI card, to an IPSG card and back.
130569		3	Resolved	Defer	MSUCOUNT Pass command help for IPGWx still displays -s "Socket Report" as an option	The MSUCOUNT Pass command help for IPGWx still displays -s "Socket Report" as an option. This could confuse the user.
130586		3	Resolved	Defer	IPSG M3UA: Changing MTU on router with links in service (but not running traffic) causes cnmgruasctp ATH	This error is automatically recovered by the IPSG software and the affected associations will re-establish normally. Changing the MTU size of a router in a live network crossed by established uni-homed associations is a service-affecting action.
130607		3	Resolved	Defer	DDB - "LINK" status of ddb going corrupt when a large number of links are bounced	This corruption has the following minor system's impact: 1- The DDB checksum mismatch 2- a PMTC change-over can be initiated when a card fails, when it is not required. We see no impact on how traffic is routed.
130622		3	Resolved	Defer	issue with dlt-card when unresolved symbols auto inhibit exists	If the card is fully deleted from the DB but allowed to be regenerated in the status system (rept-stat-card), then that slot cannot be reprovisioned. A workaround for this issue would be to remove the blade from the slot and init the active OAM.
130653		3	Resolved	Defer	M2PA proving messages not being generated at expected rate	Since M2PA proving messages are not acknowledged in any fashion, the rate at which they're generated has little to no impact on system operation as long as the rate is below card capacity and doesn't affect other traffic-carrying links.
130656		3	Resolved	Defer	IPSG: During M2PA CB testing - NtMgmt UIM's displayed as coming from HIPR's	The UIM's card location will be incorrect (appear to originate from a MUX card). This is the mux on the shelf the traffic is coming from.
130766		3	Resolved	Defer	TVG Granting for IPSG CO/CB doesn't match expected rates	There is no system impact given linksets hosted by the card and routesets using those linksets are properly configured. However, if not properly configured, traffic loss during CO/CB procedures for IPSG could occur.
130776		3	Resolved	Defer	Daily UA entities STATUS is "I" when the UA has been active all day	Incorrect data status (I=Incomplete) makes report look like it's missing data when it is not.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
130777		3	Resolved	Defer	Link LED on IPSM's Port B stays RED	The unused Port B Link LED is lit RED. We have traditionally left this unused link 's LED as GREEN to avoid alarming customer. There no impact to operational software.
130784		3	Resolved	Defer	IPSG: tst-slk:loc=[ipsg card]:port=y:loopback=sltc for M2PA links consistently returns Test Status=loopback aborted	The TST-SLK:LOOPBACK=SLTC command does not function on IPSG M2PA signaling links. The test is always aborted with no service impact. The period test for the link in-service does work.
130835		3	Resolved	Defer	IPSG: Copy De-Activate on M2PA (1 slk) during IMT inh-alw w/ impairment	Traffic may not be monitored under heavy load and inhibiting and allowing the IMT.
130841		3	Resolved	Defer	Destination status for MIN-ASP / combined LS goes prohibited instantly, however, TFRs are sent 30 seconds later	For MINSASP setting where NUMSLKALW is greater than (NUMSLKPROH and NUMSLKRSRT) and NUMSLKPROH is equal to NUMSLKRSRT, customer will see Destination going Restricted (alarm) without waiting for T11. Although the destination status changes instantly, however, the network management behavior is correct, that is, TFRs go out after T11 expiry.
130849		3	Resolved	Defer	IPSG: ent-trace causes card to obit ath_vxw_mgr	This problem is based on a combination of 3 factors - making an ent-trace request on a card with high-speed links, and sending in a matching MSU where the dpc and opc are 0. If the bad MSU is sent in and there is no trace request that matches the MSU, the problem does not occur.
130874		3	Resolved	Defer	IPSG: DAUD messages not shown in rept-stat-iptps	M3UA DAUD messages received by an IPSG card consume TPS capacity but are not reported by the REPT-STAT-IPTPS command. During periods of high receive MSU traffic on an IPSG-M3UA link (near the provisioned SLKTPS) if received DAUD messages cause the receive traffic to exceed SLKTPS. , the link may invoke receive flow control (potentially causing Tx congestion at the far-end of the M3UA link). In this scenario, REPT-STAT-IPTPS may not indicate that the received traffic exceeded SLKTPS. If this occurs, the MSUCOUNT pass command can be used to determine what messages IPSG-M3UA links are Tx'ing/Rx'ing and at what rate.
130909		3	Resolved	Defer	disp-disk-dir:src=remove:file="filename" not rejected when Removable Cartridge is not present, it displays DMS Error instead	The DMS Error messages currently displayed don't indicate that whether there is some problem reading from MO or the MO is not physically present. The custor will have to verify the MO is inserted.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
130976		3	Resolved	Defer	IPSG: EMP reports "IPConnAva/IPConnUnava" on wrong port	In the EMP event messages sent to IMF for IPConnectionUnavailable/IPConnectionAvailable (events e0 and e1) are always reported on port 0. However the LinkAvailable/LinkUnavailable Events (event 34 and 55) are reported on the correct Card/port id
130989		3	Resolved	Defer	IPSM card generating Sev 1 messages during FTRA connection tests	Customer can not collect the result of FTRA transactions.
130992		3	Resolved	Defer	Not getting a mismatched RC message when a INACTIVE message with invalid RC sent	The Customer will be able to send ASP-Inactive and ASP-Active messages with 1 RC when the association has no RC configured and the message will be processed without alerting the customer that a "mismatched RC" scenario is occurring.
131022		3	Resolved	Defer	EAGLE TIF and CNCF Interaction Support	You can enter TIF and CNCF in the same GWS action set; however, one validation check fails. If act10=CNCF, the software allows both TIF and CNCF, but allows CNCF to be the last action in the action set. For proper operation TIF should be the last action.
131028		3	Resolved	Defer	HIPR doesn't revert to original FPGA load when aborting TRIAL load.	IMT is unstable due to the intermittent reboot of HIPR/HMUX containing the wrong GPL. this is corrected by reflashing the card
131088		3	Resolved	Defer	ss7_sltc.c Sev 1 Observed While Converting Links From M3UA to M2PA (and vice versa)	This problem is a stale timer cleanup issue. A link was deleted then reprovisioned, creating a new SLT timer without deleting/stopping the existing one, which will run til expiration. The system impact is that the stale timer is deleted upon expiration, and the currently running timer is stopped and restarted, resulting in a wait time between SLTMs that would be less than what is provisioned for the first SLTM.
131153		3	Resolved	Defer	LIM T1 card reports mcbfr.c Line 1399 severity 1 trouble during full upgrade	there is no system impact for this PR. The messages that is attempted to send is the changeover notification message to the only "available" link left. The problem is that the destination is really prohibited and not reachable, therefore this message shouldn't have been sent in the first place
131288		3	Resolved	Defer	There is a possibility of EMP Congestion when an linkset's SLKTPS is increased.	There is an increased potential for discarding monitoring traffic on IPSG Cards due to SCOPY/EMP TCP connection congestion when the SLKTPS on the link's linkset is increased while monitoring is active on the link.
131366		3	Resolved	Defer	ntp_utl.c Line 1368 with eiscopy=off	Customer will get ATH troubles if they turn on E5IS feature without activating the copy function. this should only happen if they pause in first turning up the feature.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
131495		3	Resolved	Defer	IPSG: OAM incorrectly allows cluster route to reference m3ua linkset	If the cusomter incorrectly provision the routing of a cluster to use an association the EAGLE does not stop this. This would result in incorrect SS7 network management concerning the AS.
131587		3	Resolved	Defer	GP-conversion not performed on messages returned for TVG denied	We only support GP Version 6 (especially after 131588 is implemented), so this would only have to be corrected when we support multiple GP Revs again.
131607		3	Resolved	Defer	Incorrect LNP TFP description in Feature Guide	Customer may think the EAGLE does not follow proctocl for TFPs.
131826		3	Resolved	Defer	REPT-STAT-IPTPS incorrectly reports SUA traffic on IPGWx	It doesnt impact SUA/IPGW or any other functionalty, that may create any problem. Ouput displayed by rept-stat-iptps is less then what it should be actually,because at present it is not considering "weight" that the SUA protocol has on IPGWx.
131848		3	Resolved	Defer	Obit - pvrdbmsg.c - resync timeout after init-card:data=persist	The card takes longer to recover without indicating the failure reason.
131862		3	Resolved	Defer	Potential for NULL_PTR deference in dbcdtlnt_display_ipterm_entry_grp 5 and trie_search_next functions	Minimal system impact. There is a slight chance it could result in the OAM booting during a rtrv-trm command if telent terminals are configured. This problem was identified by Klocwork code analysis tool and has never occurred in the field or during in-house testing.
132097		3	Resolved	Defer	IPSG - ASP-UP msg received in ASP-Active state is not processed properly	IPSG sends the "Unexpected Message" error, but does not transition the state to ASP Inactive or send an ASP-Inactive Ack.
132290		3	Resolved	Defer	SCCP Card Grants Too Much Capacity	No impact other than it could appear confusing to the customer that a card is doing more than advertized capacity.
132343		3	Resolved	Defer	SM4G cards do not error correctly when ULOG level rolls over on ELAP	The card would have to be reloaded due to the roll over of the ULOG
132397		3	Resolved	Defer	chg-lnp-serv command does not have proper syntactic and semantic validation checks	The serv entries on Eagle can be changed in an inconsistent manner. If the Commands Manual is followed there is no issue.
132657		3	Resolved	Defer	IPSG-M2PA links do not align within MTP Restart window (after init-sys)	The IPSG will not participate in MTP restart after power restart of the system.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
132659		3	Resolved	Defer	Module tprc_adj.c Line 4576 Class 01c3 Severity 1 occurs during ITU MTP Restart on IPSPG	For IPSPG, Sev 1 ATH is generated, instead of silently ignore ITU timer expiry.
132682		3	Resolved	Defer	TRP on Eagle sends message with 0.0.0.0 vip/subnet on SM4G	One extra useless message is sent out from each SM4G card on the network. The Elap ignores it. The only trace left is an error message in the trpd_error.log on the active Elap.
132688		3	Resolved	Defer	ATINPQ: Only the default network is 'prohibited' for a subsystem when it is inhibited	If the mate does not send an SSP, when the next message arrives at the primary; it gets routed to the mate and elicits an SSP from the mate thus correcting the status on primary.
132765		3	Resolved	Defer	MOSMSBPARTY : Registers GPNOCL and GPNOCLGT are pegged incorrectly	Currently same measurement registers are pegged for GPORT and SMS messages. This shall confuse the customer.
132775		3	Resolved	Defer	Command reject E4784 and UIM 1383 description not present in R38 documentation	Missing information in the documentation leading the customer not to be able to perform appropriate action
132802		3	Resolved	Defer	Misplaced semi-colon in seq_utl.c renders code ineffective	problem appears to have been there since the code was first created and implemented, and is not known to cause any difficulties.
132837		3	Resolved	Defer	Severity 1 HAC_HIPR.C ATHs Generated Over Init-Sys	Customer has no indication that during intentional booting of cards this is normal.
132855		3	Resolved	Defer	Change error code for MTT 4067 to list rcontext	The customer might get confused as to why their default application routekey command is being rejected.
132889		3	Resolved	Defer	ATINPQ: No PARM SET/SEQ in TCAP results in lss_utl.c Severity 1	If Eagle receives an MSU without any parameters in the component, it will spit a Sev 1 ATH when a UIM should actually come. However, there is no impact on the message handling. (The message is discarded.)
133157		3	Resolved	Defer	EGMS: Sev 1 bcd_utl.c being observed under EGMS functionality	No operational impact. Also customer should not see as they should not be using ent-trace without direction from TAC.
133171		3	Resolved	Defer	MOBR: Need to investigate removal of Cluster Route Support	If there are provisioned RTX cluster routes before the upgrade. They will become partly dormant for routing & could actually affect routing decisions. Work around - limitation-> check if there are any rtx provisioned for cluster before upgrade. If so, remove them before starting with upgrade.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
133177		3	Resolved	Defer	FTP error 55 (no buffer space available) when attempting a remote restore from FTP server	Error number 55 is seldom observed when FTP is done using E5 IPSM card. It has been observed that FTP is successfully after one or two iteration.
133256	Y	3	Resolved	Defer	IPSG M2PA Linkset won't allow low speed SLK to be added.	Customer is not able to configure their linksets with low speed and high speed links, the Eagle is stating the card is invalid for the linkset type. Note: Mixed link speed within a link set is not a recommended configuration. Work around: 1) Delete IPSG SLK from linkset. 2) Change linkset to IPSG=NO 3) Add low speed link to linkset. 4) Change linkset to IPSG=YES. 5) Add IPSG SLK to linkset.
133260		3	Resolved	Defer	rtrv-data-rtdb:npanxx=<old split> not display default data if data exist for new split	rtrv-data-rtdb display only one copy of data either for new split or old split if it is a split number. The split data should be share by old and new regardless where the data is provisioned. No functionality impact in the system.
133273		3	Resolved	Defer	MLSS: REPT-STAT-SCCP mate subsystem status incorrect	No operational impact. Only the OAM has the incorrect status.
133274		3	Resolved	Defer	MLSS: Eagle allows DLT-SS-APPL leaving GTT entry hanging	User can cause GTT to be routed to non-existent subsystem. This would result in GTT Failure for the GTT entries.
133334		3	Resolved	Defer	Copy-tbl to dms config table during reload is aborted on E5-IPSM card	None as customers should not be using this command without specific instructions from TAC.
133353		3	Resolved	Defer	TIF: No Measurement reports for TIF SNS or TIF FWDSCS	Customer will not see any measurement pegs when only using TIFSNS and/or TIF FWDSCS service actions. This will not be a common case. Most customers will also be using TIFNP, which allows the generation and reporting of pegs.
133406		3	Resolved	Defer	120M_EPAP:Severity 1 "Module gtt_oai.c" is displayed at vsccp cards when we give command dlt-sccp-serv:serv=gflex:pci1=1-7-2.	Will see ath when there is no issue.
133443		3	Resolved	Defer	Rel39.2: ATINP-CHG-ATINPQOPTS accepts invalid value for ENTITYLEN	There is no customer impact. A invalid value is translated to valid value.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
133450		3	Resolved	Defer	The parameter "RI" is ent-gsmmap-scrn is not present in the documentation	None the ri can not be used.
133563	Y	3	Resolved	Defer	0541 *C RTD SYSTEM MSU cksum error threshold alarm seen after upgrade from 35.1 to 37.5.4	This alarm is the result of a new feature introduced in R 37.5.4 called the run time diagnostic utility. Unfortunately we left the troubleshooting procedure out of the maintenance manual for 37.5.4 and this is addressed through documentation PR 129788. The REPT-STAT-RTD command is used to troubleshoot this alarm.
133564		3	Resolved	Defer	LNP Meas Collection at 2400 incomplete if MCP boots	If the MCP cards boot in the last half hour of the day: Loss of LRN and NPANXX entity peg counts for the 2400 interveral. The daily reports will also be missing whatever pegs were generated in the 2300 to 2400 interval.
133564		3	Resolved	Defer	LNP Meas Collection at 2400 incomplete if MCP boots	If the MCP cards boot in the last half hour of the day: Loss of LRN and NPANXX entity peg counts for the 2400 interveral. The daily reports will also be missing whatever pegs were generated in the 2300 to 2400 interval.
133649		3	Resolved	Defer	Module ecd_sccp.c Line 1894 Sev1 ATH output along with UIM # 1231.	Umwanted Sev-1 ATHs displayed on Customer's UI. The customer will also get UIM indicating what the issue is.
133665		3	Resolved	No-Fix	ATH_ERR will not reboot properly in SAFE mode (ENG 61)	None
133748		3	Resolved	Defer	MSU_KEY_ENHANCEMENT_TBG TTLS: MRC functionality not working correctly for CLS mode.	The customer may be mislead into thinking that MRC is used for Combined Loadshare groups since the MRC setting is displayed via rtrv-mapset. MRC is ignored for Combined Loadshare groups.
133752		3	Resolved	Defer	ACG processing not performed for IN queries received through LNPQS TT	For customers using IN with TT independence and ACG, when oveload is hit the ACG will not work.
133798		3	Resolved	Defer	Filename displayed incorrectly in meas error output	If there is a failure the File name will have extra charaters an the end of the name.
133807	Y	3	Resolved	No-Fix	Peg Counter, "My Rwnd", under the SCTP -a PASS command does update according to Advertised Receive Window in SACK.	Customer is not able to rely on the EAGLE SCTP PASS command to determine the advertised receive window of their Association hosted on the EAGLE. They must rely on an external analyzer. During high load this will reflect the current window size.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
133824		3	Resolved	Defer	UIM for SCCP formats prints OPC and DPC from message which may be misleading when OPC/DPC are overwritten	UIM may not have originl OPC and DPC making harder to determine where MSU originally came from.
133856		3	Resolved	Defer	meau.c trouble during copy-disk	There is no impact to system functionality due to this error. No data is collected when collection is turned off, so no reports are missing data.
133864		3	Resolved	Defer	ASD Skinny :Register GPSRERR is not incremented for Nack generated by G-Port for SRI message.	Currently a NACK pegs:GPSRREP -Number of call related (SRI-Send Routing Information) messages that received G-Port service. This does not include peg counts to register GPSRREPPP. However "GPSRERR -Number of call related messages that cause an error response message(SRI-Send Routing Information NEGATIVE ACK). This does not include peg counts to register GPSRERRPP." os not pegged.
133899		3	Resolved	Defer	E5-IPSM alarm issue when card becomes isolated and then reloads	If the IPSM card boots while in alarm, the alarm count gets out of sync. This can be corrected by booting the active MASP.
134005		3	Resolved	Defer	EGMS:Unexepected error message seen while changing any parameter for EGMS tables when action=ATIERR is provisioned.	The chg opcode and scrn commands will not work. To get around the problem dlt-gsms-opcode and dlt-gsmmap-scrn followed by an ent-gsms-opcode and ent-gsmmap-scrn can be used. This bypasses the logic bug present in the chg commands.
134020		3	Resolved	Defer	LNP384 RIDB sets database Incoherent on every MSU processed.	There is no customer impact.
134023		3	Resolved	Defer	IS41SMSOPTS:MOSMSDNNAI allows value of 0-15, but protocol only supports 0-7	The IS41 SMDPP protocol only supports a 3 bit NAI field to be encoded; however, the UI allows an 4 bit number to be set via the mosmsdnnai parameter. Values greater than 7 will have their upper bits ignored by protocol; hence the EAGLE will not encode the expected NAI values for SMDPP messages.
134133		3	Resolved	Defer	Obit during Full Upgrade - STH: Received a BOOT-Appl-obituary - Module pmtc_oam.c	No impact on the system as the OAM card that produces the obit is already in the process of booting as required by the upgrade.
134167		3	Resolved	Defer	RTRV-DATA-RTDB not denied when no ELAP or EPAP dependent feature is enabled or turned on	The customer will see a sev 2 ATH.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
134218		3	Resolved	Defer	UAM013 lost on initial switchover after card provisioned	The isolated card alarm is not shown. Rept-stat-card still works correctly to get the status of the card.
134265		3	Resolved	Defer	IPSM card Severity 1 troubles and COPY-TBL command abort failure	FTP transfer may get aborted in between in rare cases. User will not be able to run act-ftp-trns or other commands for some time. This can be rectified by restarting the IPS card.
134378		3	Resolved	Defer	REPT-STAT-IPTPS slow when updating status after links are deactivated	Customer may initially think command did not work. No other impact.
134406		3	Resolved	Defer	Extra text displayed in rtrv-data-rtdb output	No impact. The output of rtrv-data-rtdb command is displaying extra (unrequired) text.
134504		3	Resolved	Defer	Sev 1 observed on MCP card while generating daily measurement reports	No impact as the measurements are still collected.
134717		3	Resolved	Defer	STP problem when the NPFlgRst table is showed.	The customer sees the NPFLGRST list twice.
134741		3	Resolved	Defer	IPGWx assoc rejects ASP-AC with more than 16 RCs	If an ASP-AC containing more than 16 RCs is sent to an IPGWx M3UA association, the message is rejected even though the association could be in up to 50 keys/RCs.
134747	Y	3	Resolved	Defer	GPORT values are summed up incorrectly in rept-stat-sccp	The GPORT statistics in rept-stat-sccp are inaccurate. The user can get accurate GPORT counts in enttype=np Eagle measurements reports.
134765		3	Resolved	Defer	UIMs not raised for errors during LNP processing	UIMs are not displayed in Eagle when an erroneous LNP message is received. This makes it it harder to troubles shoot LNP errors.
134880		3	Resolved	Defer	EAGLE 40.0_E5TSM:"INIT-CARD" command is getting accepted by both appl and location.	This has no Customer impact as the same has been deferred to subsequent release.
134933		3	Resolved	Defer	dms_utl.c Severity 1 error during upgrade to R40.0.0-61.38.1	As long is the upgrade is followed as directed there is no impact on the system.
135143		3	ReadyToTest	Active	FD005851 - Serviceability section: corrective action steps for Alarm 541 Recovery Procedure need update	

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
135161		3	ReadyToTest	Active	Maintenance manual split - name changes	
135185		3	Resolved	Defer	rept-stat-sccp does not display LNP CPU usage	LNP CPU usage is not displayed in rept-stat-sccp command but the same usage can be seen in output of rept-stat-lnp command.
135195		3	Resolved	Defer	LNP processing time not calculated properly	The SCCP cards will not report the correct CPU usage for LNP messages. This does not affect operation of the system.
135221		3	Resolved	Defer	SS7ML cards in a large Eagle system boots when 2000 links are bounced simultaneously	The probability of this happening in the field is very low. The cards that boot will recover on there own. So link down time will be increased incrementally.
135227		3	ReadyToTest	Active	REPT-STAT-MPS output is incorrect in release 40-61.40	
135229		3	Resolved	No-Fix	Help command of "ent-acg-mic" showing wrong range of values for number of digits in ND parameter.	None
135299		3	Resolved	Defer	Rel 40.0_NPP enhancements : DEFCC can be changed to NONE after IDPR is turned ON	CHG-STPOPTS command accepts NONE as value for DEFCC parameter even if IDPR feature is ON. This effectively turns off IDPR. The DEFCC can be set back to the correct value an turn IDPR back on.
135353		3	Resolved	Defer	IPSG - connection manager pass command displays "Command Rejected: E5000 - undefined msg#" and completes command	The connmgr pass command displays an erroneous error message, but the command displays the event log data properly. Also, the command is processed normally. Since this is a pass command the customer should not be using this without TAC assistance.
135461		3	Resolved	Defer	Link DDB inconsistent on MPL cards when 2000 links are bounced simultaneously	The probability of this happening in the field is very low. If it does happen the system may require an initnetwork or an init-sys to recover.
135477		3	Resolved	Defer	LRNQT:Sev1 mc60_lnp observed on EDSM card running MCP application	When this problem occurs, some measurements data may be lost.
135484		3	Resolved	Defer	NPP Enhancement: NPP Test Message output failing to show fdl=* when fdl=* is provisioned in Service Rule Set.	The customer will see "0" instead of "*" for FDL=* rules when executing tst-msg and tst-npp-msg.
135593		3	ReadyToTest	Active	NPPE: Message is not filtered by the service rule with FPFx having '?'.	Certain traffic flows drop to GTT.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
135611		3	Resolved	Defer	et-npp-srs issues error, if there is a space after parameter values	If the customer places any space characters at the end of an FPFEX parameter via ent\chg-npp-srs the command will be rejected. The workaround is to not put any trailing spaces when specifying FPFEX.
135701		3	Resolved	Defer	Rel 40.0 - RTRV-SRVSEL is displaying wrong error code for TIF ASD or IDPR GRN	customer can not retrieve on data he is not yet able to enter.
135768		3	Resolved	Defer	NPPT: tst-msg shows incorrect MATCHING RULE info for FDIGLEN	The user must understand that an FDIGLEN (FDL) of zero is used to represent a wildcard.
135771		3	Resolved	Defer	On EAGLE release 40.0.0-61.43.0 , rept-stat-sys command output is not properly formatted.	None just does not look nice.
135786		3	Resolved	Defer	Critical alarm "System SCCP TPS capacity exceeded" is displayed at the output of command "rept-stat-trbl:level=majr".	A critical alarm is missclassified as a major alarm in rept-stat-trbl. User can view all alarms by performing a rept-stat-trbl command. The alarm is displayed as a critical, it is just grouped with the major alarms.
135818		3	Resolved	Defer	RTRV-GWS-REDIRECT formatting of data is not aligned.	None - other then rtrv-gws-redirect contents are shifted for ITUI point codes.
135895		3	Resolved	Defer	Seas measurements caused smea_rep.c severity 1 to be generated.	There is no adverse impact to SEAS or measurements otherwise. Do not expect to see this as normally customers do not request measurements when they are turned off.
135970		3	Resolved	Defer	Module hpru_mgr.c Line 1532 Class 0075 - Obit during HIPR card recovery	Due to this obit, the HIPR takes ~10 seconds longer to come on line when inserted into its slot as it resets when in simplex.
135989		3	Resolved	Defer	Rel40: CTRL Features are getting Enabled without DSM Card Provisioned.	Customer can turn on feature without having hardware to support it.
136004		3	Resolved	Defer	IP Host: Table occupancy incorrect when using NUM parameter for RTRV-IP-HOST	When you use RTRV-IP-HOST with the NUM parameter, the table occupancy listed at the bottom of the output is incorrect. If you do not specify the NUM parameter, the occupancy is correct.
136006		3	Resolved	Defer	RTRV-IP-LNK command reports incorrect max capacity	Customer will think there is table capacity above 500 when there is not.

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
136029		3	Resolved	Defer	drms.c and egle_utl.c Severity 1 ATHs during full upgrade from 39.2.0-61.36.0 to 40.0.0-61.46.0	The EGLEOPTS table is 128 entries large. 7 entries are currently in-use. The upgrade conversion function is getting called 128 times -- once for each entry. All calls for entries greater than 7 will produce the ATHs but do no harm otherwise. Net Impact: 121 drms.c ATHs and 121 egle_utl.c ATHs.
136063		3	Resolved	Defer	Rel40:NPPE:chg-npp-as: is changing the OFNAI to default value INC	chg-npp-as with must specify the the OFNAI if they want it to be other than INC.
136067		3	Resolved	Defer	VxWorks file descriptor corruption on MCPM board	The FTP failure prevents the transfer of measurements data to the FTP server. The work-around for this problem is to boot the primary MCP to force a role change. This will clear the FTP transfer failure.
136073		3	Resolved	Defer	VFY-GTT generates gtt_set severity 1 when verifying a OSBR translation type	There should be no customer impact. VFY-GTT should not be executed on any other set type than CDPN. There is no adverse impact on the system.
136099		3	Resolved	Defer	Measurements timeout issue during upgrade	Measurements may not complete during an upgrade.
136107		3	Resolved	Defer	uias_msg.c severity 1 ATH received during incremental upgrade to 61.47.0 build	Trouble is put out with no known system impact.
136139		3	Resolved	Defer	Rel40:NPPE: Tst-msg not displaying the MATCHING RULE Correctly	MSUs will be handled correctly. However the tst entered on the terminal may show incorret results as it pulls from the wrong rule. The Rtrv will show the rules correctly.
136374		3	Assigned	Active	384 Million LNP records feature does not support measurement collection performed by the OAM	
136374		3	ReadyToTest	Active	384 Million LNP records feature does not support measurement collection performed by the OAM	
136375	Y	3	ReadyToTest	Active	Eagle Feature Notice should list OAM measurements collection limitation for LNP 384	
136377		3	ReadyToTest	Active	SS7-over-IP using Sigtran Doc IPSPG M2PA Link Conversion Section has typos	

Table RN-6. EAGLE 5 ISS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
136457		3	Resolved	Defer	ent-trace does not work correctly for enhanced MSUs	ent-trace is a debug tool and should only be used at the direction of TAC. This problem only occurs running ent-trace on systems using SEHSL. In some cases this could cause the cards to boot.
136638	Y	3	Resolved	Defer	Rept-stat-trbl and rept-stat-alm differ in showing clock alarms	Customer is trying to find alarm that does not show in rept-stat-trbl.

Table RN-7. EPAP 12.0 Known PRs (4/17/09)

PR #	CSR	Sev	Status	Disposition	Title	Customer Impact
59258		3	Resolved	Defer	Unless all DSMs are disconnected from A DSM network, EPAP does not send data to B network. Could result in traffic loss.	DSMs that have lost their A port connectivity will not receive new updates until all DSM cards have been removed from the A network
61470		3	Resolved	Defer	Reload RTDB from PDB stuck in phase 2	The situation is cleared by simply stopping and starting the EPAP software. The bigger problem is that the customer may not notice that the reload is hung for a long time.
109429		3	Resolved	No-Fix	provRMTP core dumps if RTDB being shut down while logs wrap	None, other than the customer may have to clean up core files in the unlikely event that it ever occurs.
113559		3	Resolved	Defer	EPAP upgrade procedure requires work around to correct syscheck profile post-upgrade	If an EPAP node was made a provisionable after release 5.3.x and upgrade to 5.3.x was performed incorrectly, then the syscheck profile will be incorrect post upgrade. After subsequent upgrade to release 7.0 or higher, a provisionable server with the incorrect syscheck profile will not be able to restart the PDBA application until syscheck profile is manually corrected.
121288		3	Resolved	Defer	DSM and SM4G cards OBIT in module pvdvmmsg.c Line 2620 while running Eagle boot script.	Customer must swithc activity between EPAPs to clear condition.
123948		3	Resolved	Defer	EPAP fails to alarm when RTDB hits 96m DN's	Customer may not be away that capacity has been reached.

Table RN-7. EPAP 12.0 Known PRs (4/17/09) (Continued)

PR #	CSR	Sev	Status	Disposition	Title	Customer Impact
130591	Y	3	Resolved	No-Fix	PDB export is creating two files for one day.	Customer is concerned that the filesystem will fill up quickly if two backup files are created every day.
132897		3	Resolved	Defer	EPAP Configuration section of EPAP Administration Manual needs to be updated	Customer must contact Tekelec to complete this procedure.
133082	Y	3	Resolved	Defer	EPAP: Customer is reporting GUI malfunction and is unable to determine server status or perform various functions via GUI.	Customer is unable to determine server status or perform various functions via GUI. Customer must contact Tekelec to assist in restarting the GUI server process.
133362		3	Resolved	Defer	120M_EPAP: Wrong error message displayed when we give non-hexadecimal value "#" in "ID to add" field for Add NE.	Error may not be clear to the customer.
133506		3	Resolved	Defer	Informational banner messages linger	Informational banner messages for multiple automated exports may remain scrolling and require the customer call Tekelec to clear.
133602		3	Resolved	Defer	obsoleted calls to rcs_rollback need to be removed & possibly replaced	No impact to the customer. Error messages regarding call to obsolete function may cause concern.
133817		3	Resolved	Defer	Realtime Export on large database does not indicate it has completed	Customer may need to monitor growth of export file (ls -la <file>) and the existence of the export process (ps -ef grep port). If the file has the (# timestamp) line at the end of the file and the process is no longer around, the export is done. Customer must then call Tekelec to clear the banner message.
134244	Y	3	ReadyToTest	Active	If more than one PDBI SSH tunnel is running, the cron script will not try to recreate a broken tunnel	Customer must manually delete and recreate the authorized IP.
135089	Y	3	Resolved	Defer	View RTDB/PDB status screens display incorrect IMSI counts	No functional impact but "View RTDB/PDB Status" screens will not be representative of the true IMSI count.
135377		3	Resolved	Defer	RTDB Copy (rsync) fails due to insufficient space in /var/TKLC/epap/rt/	RTDB Copy will fail when /var/TKLC/epap/rt/ File System usage increases beyond a certain point (> 105M). A manual work-around can be executed to allow the copy to complete successfully.
135486		3	Resolved	Defer	Rel40-ASD_EPAP: Correct error message is not displayed for provision more than 1M ASD entry.	No operational impact. If the customer is using the Web GUI at the time they provision more than 1 million unique ASD for DN or DN Block, then they will get 1046 but no textual description.

Table RN-7. EPAP 12.0 Known PRs (4/17/09) (Continued)

PR #	CSR	Sev	Status	Disposition	Title	Customer Impact
135491		3	Resolved	Defer	Rel40-ASD_EPAP: EPAP doesnot allow to enter 1M ASD entry using import script.	To see this PR, a customer will have to be very near capacity, and bundle updates that will take them over capacity. Workaround is to delete ASD to get below capacity limit, then reload RTDB from PDDBA.
135492		3	Resolved	Defer	Rel40-EPAP: Date is not visible in the workspace section of EPAP GUI.	Customer will be not able to see the date and time in the workarea of EPAP GUI.
135533	Y	3	Resolved	Defer	EPAP PDBI response to rtrv_entity on a range missing srfimsi	Customer is unable to view all relevant information as there is inconsistent information in the Network Entity query. The element that has the SRF IMSI configured doesn't have this information exhibited when a query is done with the NE Range.
135534	Y	3	Resolved	Defer	EPAP GUI errors inconsistent with PDBI command response for Enter & Update Network Entity	Customer may be mislead by response in GUI.
135677		3	Resolved	Defer	Allow continuation of Port Forwarding to EPAP VIP While PDDBA in Replication Error State	In the event repl errors are encountered after restoration of the Active PDDBA server, the repl errors will need to be cleared before provisioning to the VIP address can continue.
135943		3	Resolved	Defer	ASD for DNs on IMSI is not being exported	If the PDB is exported to a pdbi formatted file, DN records on IMSI that have unique ASD will be missing their ASD value in the export file. If this file is then imported elsewhere or imported after a re-create of the PDB, then the DNs will exist without their original ASD value. PDB backups should be used instead for the purpose of restoring a database.

Table RN-8. EAGLE EMS 40.0 Known PRs (5/15/09)

PR #	CSR	Sev	Status	Disposition	Title	Customer Impact
135597		2	Resolved	No-Fix	EMS: Installation failure CMI_Rel40-100.3.0	This PR is an early issue discovered during development for upgrading applications for a very early build of R40.1. Since "upgrading" to R40 is actually a migration and not an upgrade, and release 40.1 has not entered the test phase, this PR does not apply. Thus, there is no customer impact.
124636	Y	3	Resolved	Defer	False alarm of password in Resync - AR 1395978	False alarm reported for password resynch with Eagle Smart Agent. Issue is not supported by Harris. Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users.
127224		3	Resolved	No-Fix	CMI Command Parsing Errors in Tekelec EMS Command Manager	The new CMI will find problems and give the user a free text area to submit in case the CMI cannot build a correct command.
128487		3	Resolved	Defer	EMS-Error During Inventory Run	Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users.
129691		3	Resolved	Defer	EMS - Invalid card-loc allowed in Maintenance through FMS	Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users.
129698		3	Resolved	Defer	EMS: Misleading error in CMI	Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users.
130187		3	Resolved	Defer	Memory leak in CMI 1.7 (HSA 6.9) related to PTC	Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users.
130394		3	Resolved	Defer	EMS: ARI script execution from cron failed.	Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users. The ARI script will not properly execute from the crontab. The script will work interactively as an interim solution.
130797		3	Resolved	Defer	EMS - Script execution successful with CLI mismatch	Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users.
130798		3	Resolved	Defer	EMS - Play Button on Run Script page does not work at times	Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users.
130800		3	Resolved	Defer	EMS - Incorrect Date Display on CMI pages	Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users.

Table RN-8. EAGLE EMS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR	Sev	Status	Disposition	Title	Customer Impact
130855		3	Resolved	Defer	EMS - Manual creation of destination directory for archival of reports	At installation time the output directory must be manually created. Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users.
130951		3	Resolved	Defer	EMS - Incorrect Graphical Display on deletion from DB	Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users. Presently the results folder will need to be cleared manually if a card is removed from a location.
131189		3	Resolved	Defer	EMS : DATA MISSING IN LOGFILES AR 1445291	Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users.
131225		3	Resolved	Defer	EMS - CMI Send Cmd/Script fails if Eagle takes long time to display output	Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users.
131233		3	Resolved	Defer	EMS - Eagle terminal not accessible through Tarantella AR 1445294	No impact to EMS users. Legacy Harris Smart Agent (SMA) PR.
131256		3	Resolved	Defer	EMS - Incorrect graphical display after physical card replacement	The results directory folder needs to be manually cleared if the card inventory is changed. Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users.
131486		3	Resolved	Defer	EMS: Platform Measurement reports.	Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users.
131616		3	Resolved	Defer	EMS : Incorrect info in CMI 'view logs'.	Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users.
131618		3	Resolved	Defer	EMS : Incorrect LIM port info on 'view logs' page in CMI.	Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users.
131621		3	Resolved	Defer	EMS: Missing data in 'BoardIDPromReport' in CMI.	Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users.
131627		3	Resolved	Defer	EMS - CMI Script fails on continuous run	Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users.
131629		3	Resolved	Defer	EMS: CONNECTIVITY FAILED AFTER UPGRADE. AR 1445297	Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users.
131663		3	Resolved	Defer	EMS - Wrong path in document for "write_results" function AR 1445298	Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users.

Table RN-8. EAGLE EMS 40.0 Known PRs (5/15/09) (Continued)

PR #	CSR	Sev	Status	Disposition	Title	Customer Impact
131760		3	Resolved	Defer	EMS - Incorrect Severity for HSA generated alarm	Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users.
131935		3	Resolved	Defer	EMS - Eagle CLLI not available for CMI login	Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users.
131988		3	Resolved	Defer	EMS - DBInsert alarm does not clear after db comes up	Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users.
131995		3	Resolved	Defer	EMS - No alarms for Auto Inventory failure	Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users.
132938	Y	3	Resolved	Defer	Measurement HSA loader needs to convert blank fields to null before insertion	Blank entries are causing invalid data to be inserted into the measurements database and corrupts the utilization reports. Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users.
133946		3	Resolved	No-Fix	EMS: Error on script execution	Behavior has not re-occurred. Since the symptom occurred early in the development cycle it is possible to have been a random event of the load. No customer impact expected.
134374		3	Resolved	Defer	installation Packaging- Tekelec EMS-set executable permissions bit in Measurements Platform HSA	Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users.
134846		3	Resolved	Defer	EMS - No entry in the EMS_DEVICE_MATE table for mated Eagle pair	Legacy Harris Smart Agent (SMA) PR. No immediate impact to EMS users.