

Tekelec EAGLE[®] 5
Integrated Signaling System

Release 37.0

Release Notice

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TEKELEC

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Patents

This product is covered by one or more of the following U.S. and foreign patents:

U.S. Patent Numbers:

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

Foreign Patent Numbers:

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

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Introduction

This *EAGLE 5 Integrated Signaling System (ISS) 37.0 Release Notice* has been updated to include EAGLE 5 ISS Maintenance Release 37.0.9. This Release Notice includes EPAP Release 9.0, resolved PRs, and updated GPLs for EAGLE Build 37.0.9-58.20.69.

The *EAGLE 5 ISS 37.0 Release Notice* includes:

- Generic Program Loads for EAGLE 5 ISS 37.0.0, 37.0.1, 37.0.2, 37.0.3, 37.0.5, 37.0.6, 37.0.8 and 37.0.9
- Version compatibility for Harris Smart Agent
- Resolved PRs for EAGLE 5 ISS 37.0.0, 37.0.1, 37.0.2, 37.0.3, 37.0.5, 37.0.6, 37.0.8 and 37.0.9
- Resolved PRs for EPAP 9.0 and 9.0.1
- Known PRs for EAGLE 5 ISS 37.0.
- Known PRs for EPAP 9.0

Release Notices are distributed to customers with a new software release at the time of General Availability (GA) or Limited Availability (LA). Release 37.0.9 is an LA release.

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

Generic Program Loads

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

Table RN-1. GPLs - Builds 37.0.0-58.20.35 through 37.0.9-58.20.69

GPL SYSTEM NAME	VERSION Build 37.0.9-58.20.69	VERSION Build 37.0.8-58.20.67	VERSION Build 37.0.6-58.20.66	VERSION Build 37.0.5-58.20.64	VERSION Build 37.0.3-58.20.163	VERSION Build 37.0.2-58.20.63	VERSION Build 37.0.1-58.20.61	VERSION Build 37.0.0-58.20.35
Date Available	06/13/08	04/11/08	10/16/07	09/28/07	08/14/07	08/14/07	08/02/07	06/29/07
ATMANSI	128.20.68	128.20.67	128.20.65	128.20.63	128.20.63	128.20.63	128.20.37	128.20.35
ATMITU	128.20.68	128.20.67	128.20.65	128.20.63	128.20.63	128.20.63	128.20.37	128.20.35
BLBEPM	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33
BLBIOS	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33
BLCPLD	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33
BLDIAG	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33
BLDIAG6	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33
BLVXW	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33
BLVXW6	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33
BPDCM	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33
BPHCAP	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33
BPHCAPT	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33
BPHMUX	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33
BPMPL	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33
BPMPLT	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33
CCS7ITU	128.20.68	128.20.67	128.20.65	128.20.63	128.20.63	128.20.63	128.20.37	128.20.35

Table RN-1. GPLs - Builds 37.0.0-58.20.35 through 37.0.9-58.20.69 (Continued)

GPL SYSTEM NAME	VERSION Build 37.0.9-58.20.69	VERSION Build 37.0.8-58.20.67	VERSION Build 37.0.6-58.20.66	VERSION Build 37.0.5-58.20.64	VERSION Build 37.0.3-58.20.163	VERSION Build 37.0.2-58.20.63	VERSION Build 37.0.1-58.20.61	VERSION Build 37.0.0-58.20.35
Date Available	06/13/08	04/11/08	10/16/07	09/28/07	08/14/07	08/14/07	08/02/07	06/29/07
CDU	158.20.68	158.20.67	158.20.65	158.20.62	158.20.62	158.20.62	158.20.37	158.20.35
EBDABLM	128.20.68	128.20.67	128.20.65	128.20.62	128.20.62	128.20.62	128.20.37	128.20.35
EBDADCM	128.20.68	128.20.67	128.20.65	128.20.62	128.20.62	128.20.62	128.20.37	128.20.35
EMDC	128.20.68	128.20.67	128.20.65	128.20.62	128.20.62	128.20.62	128.20.37	128.20.35
EOAM	128.20.68	128.20.67	128.20.66	128.20.64	128.20.62	128.20.62	128.20.37	128.20.35
EROUTE	128.20.68	128.20.67	128.20.65	128.20.62	128.20.62	128.20.62	128.20.37	128.20.35
GLS	128.20.68	128.20.67	128.20.65	128.20.62	128.20.62	128.20.62	128.20.37	128.20.35
HIPR	128.45.0	128.20.67	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33
IMT	128.20.68	128.20.67	128.20.65	128.20.62	128.20.62	128.20.62	128.20.37	128.20.35
IMTPCI	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33	128.20.33
IPGHC	128.20.68	128.20.67	128.20.65	128.20.63	128.20.63	128.20.63	128.20.37	128.20.35
IPGWI	128.20.68	128.20.67	128.20.65	128.20.63	128.20.63	128.20.63	128.20.37	128.20.35
IPLHC	128.20.68	128.20.67	128.20.65	128.20.63	128.20.63	128.20.63	128.20.37	128.20.35
IPLIM	128.20.68	128.20.67	128.20.65	128.20.63	128.20.63	128.20.63	128.20.37	128.20.35
IPLIMI	128.20.68	128.20.67	128.20.65	128.20.63	128.20.63	128.20.63	128.20.37	128.20.35
IPS	128.20.68	128.20.67	128.20.65	128.20.62	128.20.62	128.20.62	128.20.61	128.20.35
MCP	128.20.68	128.20.67	128.20.65	128.20.62	128.20.62	128.20.62	128.20.61	128.20.35
MPLG	158.20.68	158.20.67	158.20.65	158.20.63	158.20.63	158.20.63	158.20.37	158.20.35
PLDE1T1	N/A	N/A	N/A	N/A	N/A	N/A	128.1.0	128.1.0
PLDPMC1	128.20.34	128.20.34	128.20.34	128.20.34	128.20.34	128.20.34	128.20.34	128.20.34

Table RN-1. GPLs - Builds 37.0.0-58.20.35 through 37.0.9-58.20.69 (Continued)

GPL SYSTEM NAME	VERSION Build 37.0.9-58.20.69	VERSION Build 37.0.8-58.20.67	VERSION Build 37.0.6-58.20.66	VERSION Build 37.0.5-58.20.64	VERSION Build 37.0.3-58.20.163	VERSION Build 37.0.2-58.20.63	VERSION Build 37.0.1-58.20.61	VERSION Build 37.0.0-58.20.35
Date Available	06/13/08	04/11/08	10/16/07	09/28/07	08/14/07	08/14/07	08/02/07	06/29/07
SCCP	128.20.68	128.20.67	128.20.65	128.20.63	128.20.63	128.20.63	128.20.37	128.20.35
STPLAN	128.20.68	128.20.67	128.20.65	128.20.63	128.20.63	128.20.63	128.20.37	128.20.35
SS7ANSI	128.20.68	128.20.67	128.20.65	128.20.63	128.20.63	128.20.63	128.20.37	128.20.35
SS7EPM	128.20.68	128.20.67	128.20.65	128.20.63	128.20.63	128.20.63	128.20.37	128.20.35
SS7GX25	128.20.68	128.20.67	128.20.65	128.20.63	128.20.63	128.20.63	128.20.37	128.20.35
SS7HC	128.20.68	128.20.67	128.20.65	128.20.63	128.20.63	128.20.63	128.20.37	128.20.35
SS7IPGW	128.20.68	128.20.67	128.20.65	128.20.63	128.20.63	128.20.63	128.20.37	128.20.35
SS7ML	128.20.68	128.20.67	128.20.65	128.20.63	128.20.63	128.20.63	128.20.37	128.20.35
VCDU	158.20.68	158.20.67	158.20.65	158.20.62	158.20.62	158.20.62	158.20.39	158.20.35
VSCCP	128.20.68	128.20.67	128.20.65	128.20.63	128.20.163	128.20.63	128.20.37	128.20.35
VXWSLAN	128.20.68	128.20.67	128.20.65	128.20.62	128.20.62	128.20.62	128.20.37	128.20.35

Harris Smart Agent Version Compatibility

Table RN-2 on page RN-7 identifies the Harris Smart Agent versions that are compatible with EAGLE 5 ISS 37.0.x. EAGLE release 37.0 is compatible with Harris Smart Agent version 6.8; EAGLE releases 37.0.1, 37.0.2, 37.0.3, 37.0.5, 37.0.6, 37.0.8 and 37.0.9 are compatible with Harris Smart Agent version 6.8.1.

Table RN-2. Harris Smart Agent Version Compatibility

Smart Agent Component	Release 6.8	Release 6.8.1
Fault Management	5.8	5.8.1
Configuration Management Interface	1.6	1.6.1
Performance Management	1.3	1.3

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-3 on page RN-8 lists resolved PRs for EAGLE 5 ISS 37.0.9.

Table RN-4 on page RN-9 lists resolved PRs for EAGLE 5 ISS 37.0.8.

Table RN-5 on page RN-9 lists resolved PRs for EAGLE 5 ISS 37.0.6.

Table RN-6 on page RN-10 lists resolved PRs for EAGLE 5 ISS 37.0.5.

Table RN-7 on page RN-10 lists resolved PRs for EAGLE 5 ISS 37.0.3.

Table RN-8 on page RN-11 lists resolved PRs for EAGLE 5 ISS 37.0.2.

Table RN-9 on page RN-11 lists resolved PRs for EAGLE 5 ISS 37.0.1.

Table RN-10 on page RN-12 lists resolved PRs for EAGLE 5 ISS 37.0.0

Table RN-11 on page RN-24 lists resolved PRs for EPAP 9.0.1.

Table RN-12 on page RN-24 lists resolved PRs for EPAP 9.0.

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

Table RN-3. EAGLE 5 ISS 37.0.9 Resolved PRs for Build 37.0.9-58.20.69 (06/13/08)

PR #	CSR?	Sev	Title	Customer Impact
128201	Y	2	HIPR Silently Discards Messages	There is a discard of packets that is random. The system is able to accommodate the packet loss by retransmission. While unlikely, it is possible that a virtual circuit between two cards could be taken down if the original message and the subsequent retransmissions on each bus were all discarded. Also unlikely but possible, the discard of packets could become severe enough to take down an entire IMT bus.
129020	Y	2	DSM boot due to single digit in cpda when running G-port	If the incoming called party address digits in G-Port are shorter than the Default Country Code or Multi-country code, then the DSM card can reboot while processing the MSU.

Table RN-4. EAGLE 5 ISS 37.0.8 Resolved PRs for Build 37.0.8-58.20.67 (04/11/08)

PR #	CSR?	Sev	Title	Customer Impact
127597		2	Multicast messaging round trip time too large	Inter-card communications are delayed by up to 250 milliseconds too long. This can cause timing problems with changeover, changeback, and other network management messages that need to be sent to other cards to keep the DDB in sync. Because the delays can be different on different cards, there can be sequencing problems when events arrive on different cards. This problem exposes the DDB to sync problems, and can cause problems that lead to inconsistent DDB checksums.
128201	Y	2	HIPR Silently Discards Messages	There is a discard of packets that is random. The system is able to accommodate the packet loss by retransmission. While unlikely, it is possible that a virtual circuit between two cards could be taken down if the original message and the subsequent retransmissions on each bus were all discarded. Also unlikely but possible, the discard of packets could become severe enough to take down an entire IMT bus.
128196	Y	3	Dynamic database mismatched on NmTFR	Dynamic database looks like it has a serious problem when it does not. Note: This is a send message that TAC uses for troubleshooting.
128579		3	Dynamic Database mismatch on PREV_STATUS	

Table RN-5. EAGLE 5 ISS 37.0.6 Resolved PRs for Build 37.0.6-58.20.66 (10/16/07)

PR #	CSR?	Sev	Title	Customer Impact
122504	Y	2	EAGLE has marked DPC as Prohibited but is not sending RSPs to the adjacent node	It appears the EAGLE is not sending Routeset Prohibit test (RSP) messages after a DPC was marked PROHIBITED. This can cause the customer to not know the true status of the affected network nodes.
123705		2	HomeRN table not provisionable for multiple features that require it	If any of the below features are enabled independent of G-PORT or INP, the Home RN table will not be provisionable. This prevents home RN deletion while performing number conditioning. 1) A-Port 2) Migration 3) INPMR
124294	Y	3	Attempting to Increase DSM TPS to 1100 - Getting Command Error E4950 Cmd Rej: At least one ITU NP feature must be ON	Customer cannot turn on the 1100 TPS FAK even though they have the G-FLEX feature on.

Table RN-5. EAGLE 5 ISS 37.0.6 Resolved PRs for Build 37.0.6-58.20.66 (10/16/07) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
125035	Y	3	Call completion problems with ANSI<>ITU MTP LocReqs after upgrade to Eagle release 37.0	Customer is experiencing call completion issues in the STP recently upgraded to Eagle 37.0. MTP-Routed SCCP messages that cross network boundary were only allowed to be processed by SMS address conversion. IGM/MNP was bypassed.
125178	Y	3	MASP Card Rebooted w/Module BTREE.C Line 1525 Class 01b3 When RTRV-GTT	When this problem is seen, the active MASP will boot when the customer attempts to retrieve or provision their global title table data.
121206		5	INP to support homeRN in the response	
124700		5	Configurable Digit length for MTP routed IS41 message	

Table RN-6. EAGLE 5 ISS 37.0.5 Resolved PRs for Build 37.0.5-58.20.64 (09/28/07)

PR #	CSR?	Sev	Title	Customer Impact
115431		5	Removal of E5SM Performance Restriction with IAS and HIPRs on all shelves	

Table RN-7. EAGLE 5 ISS 37.0.3 Resolved PRs for Build 37.0.3-58.20.163 (08/14/07)

PR #	CSR?	Sev	Title	Customer Impact
116710		5	IDP Relay Hardcode	
118806		5	IDPR to allow DefCC CgPA Check when TCAP NAI is any value	

Table RN-8. EAGLE 5 ISS 37.0.2 Resolved PRs for Build 37.0.2-58.20.63 (08/14/07)

PR #	CSR?	Sev	Title	Customer Impact
121339	Y	2	TT048-Wrong charging on FnF Ported-IN Numbers	Customer reports wrong charging on FnF ported in numbers.
120867	Y	3	TUP CIC value modified if >=16 when going from a ITU-I to a ITU-N(24) network	Due to the fact CIC >15 values are not copied over from ITU-I to China TUP, TUP trunks cannot come up which impacts customer traffic.

Table RN-9. EAGLE 5 ISS 37.0.1 Resolved PRs for Build 37.0.1-58.20.61 (08/02/07)

PR #	CSR?	Sev	Title	Customer Impact
122526		2	IPSM SSH tasks end up in SUSPEND state	No telnet terminal on the card is available for use. The card must be reset to fix the issue.
122527		2	Memory leak in SSH during SFTP File Transfer operations	Inability to establish ssh sessions with an eventual card boot. Main symptom is an FTP transfer failure with an error code of 0.
122768		2	IPSM card reboot with syslib.s obit	Loss of all current SSH/Telnet/FTRA sessions. Loss of connectivity to Netboss system with corresponding loss of data. Since this is a card boot, the card will recover and resume normal operation within a short period of time.
74397		3	Module iprh.c Line 1283 Class 0001 Severity 1	
120367	Y	3	FTRA problem on Unix machine. Unable to Retrieve tables - fails at "Swapping Transferred Files"	UNIX FTRA retrieval of GTT and GWS may not complete. FTRA Software Swapfiles for Solaris will not work with some Eagle Releases.
120528		3	Module SWITCH.C Line 810 Class 3016 Severity 1 post init-sys:data=persist	
120841		3	Long duration of ftra / IPUI script cause IPSN connection refusal	
121089		3	IPS fault tolerance problem causing FTP transfers to not be processed	
121861		3	Latent bugs in sftp_mgr.c could cause IPSM or MCP to hang during SFTP operation	

Table RN-9. EAGLE 5 ISS 37.0.1 Resolved PRs for Build 37.0.1-58.20.61 (08/02/07) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
122476	Y	3	Wrong PC used in SLTA for ITU-N PCs with Group Codes	SLKs down after SW upgrade. ITU-N point codes may have intermittent alignment results, or may continuously fail.
123064		3	Port IPSM/SSH legacy issues found during IPSHC development to IPS GPL	

Table RN-10. EAGLE 5 ISS 37.0.0 Resolved PRs for Build 37.0.0-58.20.35 (06/29/07)

PR #	CSR?	Sev	Title	Customer Impact
110415		2	When booting 9 of 22 SCCP cards, good SCCP cards will boot (PMTIC)	Booting multiple DSMs in a large system may cause other DSM cards to also boot. While reproducing this PR, 12 or 13 DSMs were init-ed, one after the other and as fast as possible, which resulted in two other DSMs in another shelf to boot with pmtc_mgr or other obits. This should not happen in the field.
113230		2	E5-ENET IPLIM card becomes isolated during STC overload conditions and does not return to service	IPLIM E5-ENET cards may become isolated when IPDA monitoring is enabled and traffic on the system is such that the system's STC card capacity is exceeded (over 12000 TVG). In some instances, the card does not return to service automatically and remains isolated until manual intervention is taken to return the card to service.
114023		2	IPGTW EDCM tks_sbfr.c obit when running traffic	When a DLT-AS command is issued, in-service SS7IPGW or IPGWI cards (SSSEDCM and E5-ENET) in the Eagle may lose their connections, stop taking database updates, become unresponsive to some pass commands, and eventually boot with a tks_sbfr.c obit. At this point, it is felt that the higher the traffic rate on the card at the time the DLT-AS command is issued, the more likely the problem is to occur (but it could occur even at low/no traffic rates).
114821		2	SCCP cards are not meeting their current engineered traffic load rates.	This causes the VSCCP cards with this issue to become exhausted prematurely, which in turn will cause: 1) VSCCP cards to not run at their advertised rate, 2) VSCCP cards enter overload thus disabling TVG for that card, and 3) High priority TEKOS tasking blocking medium priority tasks indefinitely.
115028	Y	2	CHG-FEAT:GPORT=ON Sets VSCCP Cards to DDL_UNSTABLE, Should Set Cards to DB_DIFF	All DSM cards must be reloaded (init-network or init-card:appl=vscpp) causing SCCP outage after G-Port activation.

Table RN-10. EAGLE 5 ISS 37.0.0 Resolved PRs for Build 37.0.0-58.20.35 (06/29/07) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
117401		2	OAMs in BCAST list being overwritten	<p>This issue has the effect of potentially removing the OAMs from the broadcast list. This can cause DB level auditing to incorrectly not audit the OAMs, as well as RADB changes to be missed. The results are inconsistent, and can manifest itself in several ways:</p> <ul style="list-style-type: none"> - On a boot, if one eroute card provisioned, OAM 1113 is not in bcast list. If more than one eroute card provisioned, neither OAM will be in bcast list. - If adding any number of eroute cards, the 1113 OAM entry will be overwritten. - If any other card is added or removed, it will clean up the list to include both OAMs. <p>What will be viewable to the customer would be: Customer wouldn't receive UAM 0034 when inserting a new TDM with a different DB Level, so therefore customer wouldn't know database is inconsistent unless he performs a rept-stat-db to verify the DB Consistency.</p>
118153	Y	2	STP is sending TFCs for false congestion causing call failures	STP is sending TFCs for false congestion causing call failures.
119709	Y	2	SLKs added to LS - 60% slks in disabled state, TFR not sent until dpc reevaluate	When links are added to a LS and left in the manual state, the correct route status may not be known by the adjacent node until the route is re-evaluated due to a link status change or rst-dsnt command.
120602		2	Thermal Alarm Levels are incorrect after upgrading from 35.1/35.0	After the upgrade from 35.1 , RTRV-TH-ALM showed the thermal alarm levels are listed over 100%.
120794		2	ATM cards will not load after init-sys:data=persist (warm restart) with E5-ENET cards in system.	After running an init-sys:data=persist command, none of the ATM cards would load from the OAM. Eventually they would timeout with the ath error.
120898		2	ANSI-ISUP and ETSI-ISUP Traffic over ATM links has different MSUs Size.	Different size MSUs were seen from eagle1 and eagle2 although same traffic is going over the ATM links.
121180		2	SFTP transfers fail with multiple ATH errors.	Suspicion is that FTP_TRNS task is blocked waiting on an SFTP response. Its incoming message buffer then fills and the ATH messages start coming out from t4v_msg.c. There is also a timeout on the EOAM which causes the other ATH.
55994		3	Telcordia - Delay in completing TFP broadcast	
56006		3	Telcordia - TFX messages are delayed by 800ms when C-link becomes available	
58272		3	Documentation needs updating to explain Level 3 T1 Timer for IPGWx Changeover	

Table RN-10. EAGLE 5 ISS 37.0.0 Resolved PRs for Build 37.0.0-58.20.35 (06/29/07) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
59332		3	AUD-DATA:DISPLAY=ALL OUTPUT TRUNCATED	
59987		3	Telcordia - Inconsistent TFA broadcast when transitioning to the route set allowed status.	
61049		3	EMP doesn't change CLLI after chg-sid	
83769		3	Telcordia- TFR not immediately sent on normal route when diverting traffic to lower priority route.	
88096		3	STH Task using UI_PACE_OUTPUT macro	
88392		3	FTRA record IPLIM as IPLIMI in SLK Table	
88393		3	In DSTN and RTE tables, FRTA incorrectly record PC ans ALIASE.	
88394		3	GTT ant TT tables rocorded ITUN24 data in as ITUN	
89394		3	User and Terminal Command Actions not Correct with OAP-Based LNP Commands Removed	
105485		3	Telcordia - Incorrect Return Cause for Received SCCP Message to SUT with Invalid SSN	
105752		3	FIGTTLS - ent-mrn does not verify route, just dstn	
107133		3	Module rmtpl_utl.c Line 367 Sev 1 trouble on VSSP card during upgrade	
107286		3	ENT-RTE should not allow Network routing via type A or E linkset	
107679		3	ent-slk command continue processing after CMD REJ error - Should not allow 64k provisioning on DS0 cards	
108434		3	Conn Mgr ignores errors when attempting to set SCTP retx opts	
108624		3	IMT handling of a changeover timeout	
109428		3	OBSR: CLD Party Address field of MSU has no information, causes Sev 1	

Table RN-10. EAGLE 5 ISS 37.0.0 Resolved PRs for Build 37.0.0-58.20.35 (06/29/07) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
109781		3	UALOG is not logging RC in SNM TX msgs (DUNA, DAVA,etc)	
109832		3	Minor Misc Issues with IP Serviceability	
109880		3	Incorrect UIM for IGTT MSU drop.	
109955		3	Card 1206 Module GP_CNV.C Line 608 Class 01c3 Severity 1	
110035		3	IPDA: SCOPY.C Line 2353 on LIMOCU	
110114		3	VXWSLAN: Module vln_dlk.c Line 380 Class 8008	
110136		3	IPGW does not route mesages over network route.	
110230		3	UIMs 1338, 1339 need to have their output groups changed from SYS_MAINT to GTT	
110305		3	SLTC Test failed when using Seconadry Point Codes	
110375		3	rept-stat-assoc should not list asname, aspstate, etc for M2PA adapters	
110619		3	SUA #6 - Telcordia - Inconsistent Address Indicator in Destination Address of CLDT	
110623		3	SUA #9 - Telcordia - Incorrect Error Code – Inconsistent Address Indicator and Address Contents	
110627		3	SUA #16 - Telcordia - Spare Bits in Address Indicator of Destination Address in CLDR Not Coded Zero	
110631		3	IMTPCI preferred bus on transmit needs to be added to Multi-cast transfers	
111079	Y	3	Comments and issues concerning the EAGLE upgrade procedure for 35.0	Upgrade document does not allow for concise upgrade execution.
111081	Y	3	Comments and issues concerning the EAGLE Health Check Procedure.	Upgrade document does not allow for concise execution.

Table RN-10. EAGLE 5 ISS 37.0.0 Resolved PRs for Build 37.0.0-58.20.35 (06/29/07) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
111082	Y	3	FPB_BIP.C [Line 287] Sev 1 Trouble generated during EAGLE Upgrade to 35.0	The trouble is generated if cards with invalid BIP records are present in the system. There are commands that can be issued to determine if cards have invalid BIP records (REPT-STAT-CARD and after upgrades to 35.0: RTRV-STP). The Card Status command is run in all health checks. When the "M BIP ERR" is displayed in the AST column, the card needs to be BIP'ed. If all cards are BIP'ed correctly then the trouble is not generated.
111131	Y	3	Upgraded to 34 - REPT-STAT-CARD:LOC=<MIM CARD>:MODE=FULL does not display the port status anymore	rept-stat-card used to output E1 status information prior to the HCMIM feature, but since the HCMIM feature was introduced, the e1 status is reported via rept-stat-e1. The customers were not notified of this change via documentation and Customer Docs => Commands Manual => REPT-STAT-CARD:LOC=:MODE=FULL shows the output as: DBD MEMORY SIZE = 0M SLK A PST = IS-NR LS=lsne1ln1 CLLI=----- SLK A1 PST = IS-NR LS=lsne1ln2 CLLI=----- SLK A2 PST = IS-NR LS=lsne1ln3 CLLI=----- SLK A3 PST = IS-NR LS=lsne1ln4 CLLI=----- SLK B PST = IS-NR LS=lsne1ln5 CLLI=----- SLK B1 PST = IS-NR LS=lsne1ln6 CLLI=----- SLK B2 PST = IS-NR LS=lsne1ln7 CLLI=----- SLK B3 PST = IS-NR LS=lsne1ln8 CLLI=----- SNM TVG RESULT = 24 hr: -----, 5 min: ----- E1 PORT #1 = RCVRY-E1F: E1 Port 1 available E1 PORT #2 = REPT-E1F:FAC-E1 Port 2 AIS detected Command Completed ; This leads the customer to think they will still see their port information, but they must use REPT-STAT-E1 and this change is not listed
111323	Y	3	RTRV-CARD output does not show unequipped links in Release 34, but it did in Release 31.6.	Customer was not notified of the format changes via Customer Docs. Customer's monitoring systems can be impacted by format changes, but if they are warned up-front it gives them lead time to update the changes in their monitoring systems.
111531		3	Divide by zero within DMS utils	
111567		3	Pass cmd "sctp -a l -p" displays all the configured addresses on the card for uni-homed associations.	
111623		3	Incorrect Procedure given for DSM reboot after Bulk Data Download.	
111993		3	Module gp_cnv.c found during recovery	
112072		3	Release 57 modifications due to output of Klocwork	

Table RN-10. EAGLE 5 ISS 37.0.0 Resolved PRs for Build 37.0.0-58.20.35 (06/29/07) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
112103		3	RTRV-ASSOC:ANAME= fails to display assoc when non DCM class HW resident in LHOST slot	
112155		3	HIPR TVG Granting - HIPR is decrementing the capacity count when a previously granted TVG packet is received	
112334		3	HMUX TVG Granting - HMUX is decrementing the capacity count when a previously granted TVG packet is received	
112361		3	Eagle 35.1- FSSPV: Discrepancy in the SLK table occupancy % displayed by RTRV-TBL-CAPACITY command and SLK CSV file.	
112362		3	Eagle 35.1- FSSPV: Discrepancy in the TableSize displayed for SCRSET table by CSV and RTRV-TBL-CAPACITY	
112379		3	Init -card appl ccs7itu causes trouble Module bip_vxw_com	
112662		3	x_ua_reject_asp_up_and_active was removed from asp_inactive state	
112795		3	TOS4VB: OS not completely initialized when APPL code executed	
112857		3	ITU->ANSI MTP Conv improper handling for MSUs > 272 bytes	
113175	Y	3	UIM1013 can be output in two different formats. This needs to be documented in customer documentation	Customers' log parsing software could possibly miss one of the logs.
113252		3	rtrv-gta:gta=xxxxxx:egta=yyyyyyyy: with vgtt on does not return all matches in all trees	
113304		3	Module ss7_sltc.c line 962 when tst-slk:loopback=sltc is executed on a link that is OOS-MT-DSBLD	
113351	Y	3	rtrv-assoc:aname=trash is accepted when trash is not an assoc name	If a customer enters an invalid aname for rtrv-assoc:aname= the command does not generate an error message. The customer did not think the STP was reporting associations correctly.
113605		3	FSSPV_TBGTTLS: Class1seq is not maintained for a weighted mode when TGTT1=None	

Table RN-10. EAGLE 5 ISS 37.0.0 Resolved PRs for Build 37.0.0-58.20.35 (06/29/07) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
113650		3	MTP Conversion on LIMs not always validate DMA Length after the conversion	
113719	Y	3	User Access Obsolete After HC2 or Upgrade	Customer reported that several of their sites experienced user access (could not log in) problems after executing HC2's or upgrades.
113790	Y	3	RTDB database capacity UAMs are not configurable and could be misleading on LNP systems	The alarm 446 "RTDB database capacity is 80% full" is slightly misleading for LNP. For LNP, this alarm indicates that 80% of the provisioned quantity for TNs, NPAs, or LRNs has been reached. This alarm doesn't actually reflect the total physical memory used on the DSM cards. These alarms are not configurable and therefore do not respond to the chg-th-alm logic. Currently, the only way to clear the Eagle 446/ 442, and MPS 375 alarm is to increase the LNP feature quantity for TNs, NPAs, or LRNs depending on which one is at or over 80% capacity.
113981		3	CSVGEN: malformed part of csv LS table for ANSI PCs	
114018		3	Multi-homed association with RMOD=RFC doesn't switch back to primary path	
114043		3	SE-HSL loses traffic on cable pull	
114761	Y	3	IPSM card refuses new SSH connection	Customer cannot launch an SSH connection for the terminals using the IPSM card.
114830		3	UI spits an ATH when source DB is incompatible during upgrade	
114926		3	Eagle clk status. Send-Msg results not sent to IP terminals	
114952		3	SCCP cards crossload wrong DDL data structure during backout	
115007		3	System Eroute capacity displays wrong when 11 or more STC are IS-NR	
115012	Y	3	Intermittent date and time header is generated with empty message.	An extra header is printed with the rept-imt-info report and hourly IMT report. No other system impact.
115033		3	Eagle Rel 33.x and 34.x and 35.x Upgrade procedure mis-leading	

Table RN-10. EAGLE 5 ISS 37.0.0 Resolved PRs for Build 37.0.0-58.20.35 (06/29/07) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
115076	Y	3	Eagle fails to delete Xlist entry for cluster when full PC member is entered	Eagle fails to delete Xlist entry for cluster when full PC member is entered. Eagle can show DPCA with non-adj and route stat prohibited when it should not be.
115149	Y	3	SS7_SLTC.C troubles	These troubles tells the user that link has gone down and SLTC machine is cleaning up. It has no impact at all.
115232	Y	3	Revision needed for 909-0118-01 Rev C procedure 1 step 14 (Eagle Upgrade Procedure)	Upgrade procedure should retrieve information regarding link stability, for the hour prior to the upgrade.
115237	Y	3	When several commands are issued to IPSM, card boots w/ Module tks_sbfr.c L 1334	When several consecutive commands are issued to the IPSM card, the card can boot with Module tks_sbfr.c Line 1334 Class 01cf causing output data loss.
115257		3	os_utl troubles caused by unexpected message received during BIP get data method	
115415	Y	3	Add/dlt SLK on LIMCH card. STP flooding with RLT_ML.C,Line 569,Class 001 Sev 1s	The STP logging system is being flooded with severity-1 software errors, making it near impossible to monitor the system.
115497		3	34.4 as a valid upgrade path to 37.0	
115708	Y	3	Set default RSPDIG to RNDN	All IS-41 to GSM were failing after the 36.0.1 upgrade. The IS41 GSM Migration feature presently returns RN+DN in the locreq (RR) if an RN is found associated with the DN entry in the EPAP database. The A-Port feature sets the default RSPDIG to RN that will result in returning an RN (when an RN is found associated with the DN) after the IS41 GSM Migration customer is upgraded to R36.0. The default value for RSPDIG shall be set to RNDN instead.
115814	Y	3	Omit SNM messages for PCs/Linkset that are not in the routing table in the SNM queue	Customer saw UAM 0304 "REPT-NMTSK-DSCD: SNM Discard Onset". They saw about 90 TFX messages for PCs that were not in the routing table, then the UAM 0304. It happened 15 times on the one STP and 13 times on the other.
115894		3	RST-DSTN does not clear 'need to poll' bits in Routing Table	
115976	Y	3	Commands Manual does not provide :peakreset parameter for rept-stat-sccp	Customer will not know about the command until they press F10 while logged into the EAGLE or unless they talk to Eagle TAC.

Table RN-10. EAGLE 5 ISS 37.0.0 Resolved PRs for Build 37.0.0-58.20.35 (06/29/07) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
115997	Y	3	rept-stat-clk output - Customer docs need clarification	Rept-stat-clk output shows BITS clock as Active/Idle when no BITS clocks are present. This could be slightly misleading unless the customer understands the following: The BITS clocks will be reported as Active/Idle in rept-stat-clk whenever the system lacks DS0s and any of the following are true: 1) the High Speed Primary is valid; 2) the High Speed Secondary clock input is valid; or 3) the TSC Sync Feature is OFF. In the above case, Low Speed clock alarms will be suppressed as well. No system impact. Reporting problem only.
116103	Y	3	UAM 0034 Is Not Generated When Newly Inserted TDM Has Different DB Level.	Customer isn't receiving UAM 0034 when inserting a new TDM with a different DB Level, so therefore customer doesn't know database is inconsistent unless he performs a rept-stat-db to verify the DB Consistency.
116384	Y	3	Healthcheck documentation revision	The Eagle System Healthcheck Procedure document is in need of a major make over due to the new features added.
116445		3	MO_SMS to HOME_SMSC uses SRFADDR information in CgPA of response instead of incoming CdPA	
116543	Y	3	If 0446 RTDB dbase capacity 80% is reached, UAM 0443 RTDB CORRUPTED not reported	While the 0446 RTDB database capacity is 80% full is present, UAM 0443 RTDB CORRUPTED is not reported in rept-stat-mps, rept-stat-trbl, or rtrv-log commands. It appears the only way to detect corruption in this condition is to run the rept-stat-db:display=all:db=mps command. Depending on the commands a customer uses to check for system alarms, the corruption may be overlooked. The customer may allow the STP to operate with DB corruption for extended periods because they are not aware of the condition.
116749	Y	3	Eagle 35.0 Feature Notice has wrong acronym	Customer does not have correct definition for an acronym.
116866		3	35.6 CDT MTT Error Cleanup	
117182		3	REPT-STAT-XLIST shows xlist entries after they should have been removed.	
117190	Y	3	RTRV-GTA command is not working with :mapset optional parameter.	Customer is not able to use an available parameter for retrieving data from the GTA table.
117237	Y	3	:MAPSET= Parameter for rtrv-gta is not in the Commands Manual	Customer will not know the :MAPSET parameter is available when using the Commands Manual.
117318		3	Commands Manual Eagle 5 ISS, 37.0	

Table RN-10. EAGLE 5 ISS 37.0.0 Resolved PRs for Build 37.0.0-58.20.35 (06/29/07) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
117436	Y	3	rtrv info with the cmd rtrv-slk, in the field BPS, some HSL E1 ATM cards present the speed parameter & others don't	When customer provisioned new ATMITU links with SE-HSL load, the link speed is stored differently compared to with SE-HSL link speed. Hence some links we see the link speed correctly and for some the RTRV-SLK command shows "-----". Traffic is not affected by this link speed data.
117502	Y	3	No Check for MPS Related Features Before Processing DSM Link Status Information	Un-necessary and false alarms are being generated following upgrade to R36.0.1-57.21.1: Alarm is for No IP Connectivity Alarm = 0357.0084 ** DLK 1201,A VSCCP IP Connection Unavailable But all of these cards don't have any configured IP connections at all.
117534		3	Remove the iplimabate parameter from the chg-sg-opts command in the Commands Manual and CDT	
117807	Y	3	IMF-AsGa feed: Eagle is sending stale PC value	Cannot get new links on the IMF/ AsGa system from the Eagle.
117855	Y	3	rtrv-assoc:aname=xxxx does not return data if the associtaion is out of service	Customer may think that provisioning information has been lost for an association that has failed because nothing is returned when rtrv-assoc asks only for that association.
118713		3	E3334 is incorrect in 36.0 CER	
118755		3	CER HIPR requirement expalantion incorrect for MTT E3490	
119210		3	34.1 CER E4507 recovery is incorrect	
119300		3	dump callers address in ssh_log.c	
119321		3	Building IP Links for DSMs in Eagle 35 and 36	
119337		3	Default Value Missing for Optional Parameters in the CHG-IP-LNK Command	
119633	Y	3	G-Port GSM opts msrndig=ccrndn works incorrectly when MSRNNAI is not 1 (INTL)	The Eagle is sending the MSRN in the SRI Ack in format rn+cc+dn, not in format cc+rn+dn.
119644	Y	3	DPC will not be recognized at restricted until 60% of the links are OOS	A customer would usually expect the STP to recognize a route and DPC as restricted when 50% of the links are out of service. This could cause network management not to work as expected.

Table RN-10. EAGLE 5 ISS 37.0.0 Resolved PRs for Build 37.0.0-58.20.35 (06/29/07) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
119765	Y	3	Parameter thrshld in ent-frm-pwr,chg-frm-pwr unclear what the value should be.	In the following commands the parameter thrshld=xx is unclear to the customer what value should be entered. Should it be the value of the circuit breaker for that frame or a percentage? Command: ent-frm-pwr or chg-frm-pwr :thrshld= (optional) Frame-level power threshold value, in Amps. This value is compared with the current power consumption for a particular frame, and the appropriate alarms are raised if current consumption exceeds the threshold limit. Range: 30-65 Default: 30 Putting in the wrong value may cause an serious issue.
119793	Y	3	"UAM 1226 DPC congested" not seen with Class1 seq=on	The customer is not informed of a DPC being congested and he is loosing some traffic.
120220	Y	3	rept-meas comp-link loc=<IP card> doesn't allow all IP card types	"rept-meas:type=comp:enttype=link:loc=:port=" is rejected for IP cards DCM-IPGHC and EDCM-IPGWI. However, "rept-meas:type=comp:enttype=link:lsn=" does work.
120254		3	Add a Section About How to Increase the TN Quantity for LNP System	
120320		3	IPSM Card boots with Module sentry.c Line 375 Class 01c1	
120324		3	SSHDCH task may hang during SSH tunnel setup	
120673	Y	3	UAM 0480- Time stamp invalid on all nodes	STPs are generating alarm 0480: Timestamp Invalid. There is no obvious customer impact.
120735		3	Physical cable disconnect may cause IPSM to hang when using SSH	
121056	Y	3	Questions About RTRV-LOG:MODE=BRIEF	This issue has no service impact for the customer. Customer documentation update only.
60067		5	HCBlade - dynamically add reroute entry to buffer router	
88479		5	Support for 32 Prepaid SMS Intercept Platforms	
90221		5	E5-SM4G	

Table RN-10. EAGLE 5 ISS 37.0.0 Resolved PRs for Build 37.0.0-58.20.35 (06/29/07) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
106618		5	FFGTLS: Feature can be turned ON/OFF	
107808		5	RTRV-STP: Improper Display when MEM BIP Error is on Card	
110633		5	BP rx ASU path needs to be optimized	
110889		5	*STC on E5-ENET Assembly	
110890		5	*SLAN on E5-ENET Assembly	
110935		5	Add Max Power Rating to card BIP data	
111036	Y	5	SUA: SSN support for DAUD message	
111598		5	STC on E5-ENET: Enable DPL function for STC on EPM	
111746		5	Support addition IP address for MCPM data transfer	
111945	Y	5	Db Admin - IP7 Gateway(910-0100-001 Rev B) Provisioning is not clearly defined	
112599		5	Large BICC MSU Support for IP Signaling	
113001		5	Enhance incremental upgrade failure recovery	
113100		5	150,000 GTT/sec (31+1 cards)	
113101		5	75,000 G-Port TPS (not additive to GTT capacity)	
113102		5	Remove Hardcode for ANSI-ITU SMS Conversion	
113233		5	New blcpld register to be used in WD2 timeout debug	
113293		5	Diagnostic TVG Error packet Enhancement - HIPR	
113294		5	Diagnostic TVG Error Packet Enhancement for HMUX	
113697		5	appl=stplan' support for the DCM and E5-SLAN cards	
114787		5	Eagle Backout Document Changes	
115070		5	Upgrade path from R31.13 to R37.0	

Table RN-10. EAGLE 5 ISS 37.0.0 Resolved PRs for Build 37.0.0-58.20.35 (06/29/07) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
115617		5	Refused Management Blocking for ASPAC	
115635		5	Enhance acl_hcb.c line 921 obit	
115655		5	Change Trouble Class from sev 1 to sev 2 (Changeover Timeout IMT)	
115776		5	IS41 GSM Migration feature- supporting SRI/SRI_SM response over ANSI MTP/SCCP	
116572		5	IP speed and duplex default to non-recommended values	
118943		5	* DSM Obsolescence Replacement	
119722		5	ECAP(SLAN) support using E5-SM4G	
120570		5	Enhancement Request to change 95% RTDB capacity alarm from 95% to 90%	

Table RN-11. EPAP 9.0.1 Resolved PRs for Build 9.0.1-90.16.0 (09/10/07)

PR #	CSR?	Sev	Title	Customer Impact
122381		2	fresh EPAP install does not install crontab entries	In order for auto import of PDDBA, EIR file transfer, EIR logging, mysql binary log clean up, and PDDBI SSH capabilities to work properly, customer would have to call Tekelec Customer Care.
123687	Y	3	EPAP: uiadmin user cannot execute functions on EPAP 9.0 GUI	Customer is not able to login as uiadmin user on GUI to view status of RTDB and PDDBA. Customer can not add, modify or delete users if logged in as uiadmin user. Workaround is for customer to log in as epapall user.

Table RN-12. EPAP 9.0 Resolved PRs for Build 9.0.0-90.15.0 (06/29/07)

PR #	CSR?	Sev	Title	Customer Impact
116847		2	The PROV task cannot reconnect to MAINT if PROV dies while MAINT is trying to write to it.	DSMs may not be able to load until a restart of the EPAP software is completed.
47948		3	Incorrect error response when no PDDBA client available.	
48161		3	Unable to Modify Natl PC & GC at same time on Update NE Menu	

Table RN-12. EPAP 9.0 Resolved PRs for Build 9.0.0-90.15.0 (06/29/07) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
115372	Y	3	EPAPDEV User has not permission to Connect to MMI by GUI	Customer can not access the MMI Ports using EPAP GUI.
116816	Y	3	EPAP user restriction not working correctly	Users could access menus they should not have access to.
116825	Y	3	SFR : EPAP GUI -> impossible to delete the field IMSI	The customer must delete the RN, but before that, they have to delete or change all the DNs related to this RN.
116860	Y	3	EPAP: Problem with GUI interface on node B. may need to reset GUI server.	Customer unable to determine mate server node status and statistics.
118301		3	EPAP GUI Incorrectly Requires SP as Mandatory for Create Sub	
118328	Y	3	EPAP upgrade procedure, 909-0108-001, needs reboot added to procedure for DST issue	Upgrade procedures will not result in desired results.
43257		5	Scrolling alarm banner needs to have alarm for RTDB out of sync with PDB.	
57028		5	EPAP Support for SSH on PDBI	
57370		5	EPAP GUI should give indication that log capture is in progress	
90221		5	E5-SM4G	
103736		5	EPAP Support for JAVA 1.5	
113334		5	EPAP Support for HTTPS on GUI	
113335		5	Automatic PDB Export Enhancement	
113337		5	RTDB Retrieve	
115224		5	Support for 32 Prepaid SMS Intercept Platforms	
116702	Y	5	Clearly describe Automatic / Manual PDB import in EPAP Admin and PDBI Manuals	
118950		5	Add the MPS time to the GUI banner	
119495		5	Add Persistence & Reset Capability to EPAP RTDB Max Size	

Table RN-12. EPAP 9.0 Resolved PRs for Build 9.0.0-90.15.0 (06/29/07) (Continued)

PR #	CSR?	Sev	Title	Customer Impact
119507		5	Auto PDB Export result screen could display list again	
119926		5	SSH over PDBI: GUI unable to accept username/password greater than 8 characters	

Known PRs

Table RN-13 on page RN-27 lists known PRs for EAGLE 5 ISS 37.0.

Table RN-14 on page RN-71 lists known PRs for EPAP 9.0.

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

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
110054		2	Resolved	Defer	DSM Cards Stop Taking Updates From ELAP after repeated multiple DSM warm restarts	<p>This issue was seen after running a script to warm restart 12 of 22 DSMs every 15 minutes for several hours. This problem will result in some cards transitioning to an INCONSISTENT state and no longer taking updates from the ELAP. However, SCCP processing will still take place</p> <p>After checking to ensure normal provisioning is taking place on the ELAP system, a warm restart is needed to return the DSM to normal status and database level. If the DSM does not return to normal, a cold restart must be performed in a maintenance window. Contact Tekelec Customer Service if the DSM does not return to normal.</p>
111592		2	Resolved	Defer	Upgrade to 35.0.0-56.23.11 caused cards to go into DDL_HUNT for long periods	<p>There is a chance that if the network is not stable during card load (as happens during upgrade) that the network card will be stuck in DDL HUNT due to the number of changes in the network. The network card needs to have a period where the network is stable so that it can crossload the current status of the routing table from another network card. To prevent this, it is recommend that customers clean their networks before upgrading.</p>
111693		2	Resolved	Defer	Medium priority tasks have insufficient monitoring	<p>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.</p> <p>This has never been positively identified in the field. It was a test scenario during congestion testing and is a hole that needs to be filled.</p>

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
113588		2	Resolved	Defer	DSM Cards boot with TSI_SBFR Obit	<p>During relatively high traffic loads, when booting 11 of 22 DSMs, an out-of-resources event occurred on 2 of the remaining 11 DSMs and they obit'ed. This has occurred once on a large system during a multiday run. A script was executing that warm restarts 11 of the 22 DSM cards every 15 minutes. This should never happen on a live customer site.</p> <p>Lowering the number of DSMs being booted will lower the request rate, and should keep other DSMs from being overwhelmed with DDL requests. The obits correlate with link failures as well, which will cause DDL to abort and restart. Restarting crossload on 11 DSMs multiple times appears to be the root cause.</p>
113610		2	Resolved	No-Fix	After an init-sys, all links do not recover within the 5 minute requirement	Minimal. On systems with a variety of card types the complete reload and in service time can exceed the 5 minute requirement.
113835		2	Resolved	Defer	LIMDS0 obit during STC overload: Module ISCC_RX.C Line 379 Class 3400	Under Prolonged STC overload condition or a condition that introduces TCP network delay, which results in prolonged (24 hours or more) socket congestion may result in overflow of Level 2 queue on two port LIM. This shall result in booting the 2 port LIM card.
115014		2	Resolved	Defer	EMP Discard/Congestion on large Eagle (ie MSUs are not copied from Eagle to IMF)	If customers are monitoring SE-HSL links that are running traffic at .2 erlang or more then the SE-HSL may discard MSU copies. If the traffic on SE-HSL links is .1 erlang then monitoring seems to work fine.
116370		2	Resolved	Defer	chg/dlt-csl fail to update data in network cards	Customers with eagle release prior to 37.2 are not impacted. The fixed was implemented in Release 37.2 when TINP feature went in.
117351		2	Resolved	Defer	Telcordia - 35.0 audit - All Messages originally Belonging to Currently Unavailable Links are Unnecessarily Buffered During C	Unnecessarily buffering messages may lead to congestion after changeover or changeback. This potentially could result in short term traffic loss.
119197		2	Resolved	Defer	MSU loss during CO when mult IPLIM SLKs fail rapidly, MSU arrives for failed non-CO SLK	During situations of multiple link failure (>7 links) within a linkset cards hosting high speed links may send MSUs to links that are not available for traffic b/c the source cards are not updated with the current routing information. Currently the destination card discards this traffic and increments the MSINVLNK system peg which may be retrieved via rept-meas:type=systot:enttype=stp

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
120953		2	Resolved	Defer	Eagle Clock Selection, Status Reporting, and Alarming Needs To Be Enhanced	Could be difficult for the customer to diagnose certain clocking issues because the same clock configuration and status is reported differently between releases.
121160		2	Resolved	Defer	E5-SM4G Cards Boot with ATH_VXW.C Obit	Very infrequently when an E5-SM4G card is warm booted it may cold boot with a WD2 obit. This will cause the card to come back online in 3:16 on average.
121828		2	ReadyToTest	Active	IPDR.c dereferences NULL pointer in idpr_cgpa_is_defcc	
121923	Y	2	Pending_Investigation	Active	DPCs Bouncing Between 0313 & 0312 - Multiple Nodes - PCs Are Not Prohibited or Restr	The customer is getting fed false alarms by stating DPCs or Routes are Prohibited or Restricted when they are truly in-service normal. There is a chance the Eagle might start misrouting calls based on the misinformation it is providing itself.
122198		2	Resolved	Defer	PCR FISU FSN incorrect in PCR	If the FSNs being sent are 1, 2, 3, 1, 2, 3, 1, 2 then an ack for 3 comes in the EAGLE then send only FISUs with FSN =2.
122571		2	Pending_Investigation	Active	SLAN data link not upgraded properly if upgrading from release 35.3	
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.
50960		3	Resolved	Defer	Telnet Terminal Timeout Doesn't Match KSR Timeout	Telnet terminal timeout behaves differently than that of KSR. If a Telnet terminal command times-out and a new command is entered the new command is appended to the one that timed-out. Also as a command times-out and the enter key is pressed the command that timed-out will be executed without being displayed.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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.
54268		3	Resolved	Defer	Loading Mode Support needs to be updated.	No impact as long as SCCP cards are in service and there is at least one SCCP card for 16 LIM cards. The problem has never been reported in the field.
55330		3	Resolved	Defer	SCCP cards obits if init'd during chg-db:action=repair	If the operator tries to init any SCCP cards while attempting a db repair or restore, these cards will remain out of service until the db commmand has completed.
55702		3	Resolved	Defer	ITU_I, 14 Bit ITU_N , & 24 Bit ITU_N (with & w/out Group Code) EGTT GTTSELselectors should not overlap	Possible user confusion or limitation of feature for single TT accessed by both GTII & GTIN, not possible.
55995		3	Resolved	Defer	Telcordia - One message lost when L1/L2 fail simultaneously	When L1 and L2 failed near-simultaneously, one message was lost during the changeover procedure.
56026		3	Resolved	Defer	Telcordia - AMR: Duplicate preventive TFPs are sent after adjacent restart procedures.	Extra TFP sent when not required. TFP will be discarded by adjacent node.
56910		3	Resolved	Defer	CANC-CMD on telnet fails with command recall	When trying to cancel a command using the UP arrow to recall "canc-cmd" out of the command history, the user will get "System busy" instead of actually being able to cancel the command. If the user actually types "canc-cmd" into the keyboard, this never happens.
57586		3	Resolved	Defer	User auto logged out double message	None. Message get printed twice in a row, instead of just once.
57819		3	Resolved	Defer	SFTP password error yields Severity 1 message	None. System functions normally, and ATH is expected. Although customer may become alarmed at the ATH.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
58184		3	Resolved	Defer	poll_mv.cpp ATHs on MCP card referring to IPGWI cards	Measurements for the ID'd card (IPGWI) are delayed in response and not included for the collection period.
58454		3	Resolved	Defer	CHG-TRM:ALL=YES, DBG output group behaviour	This PR would cause additional Debug Information to be displayed on Screen. Behaviour of the CHG-TRM:TRM=x:ALL=YES command is to be modified so only explicitly executing CHG-TRM:TRM=x:DBG=ON will turn this group on. The CHG-TRM:TRM=x:DEBUG=OFF command will stop debug commands from being displayed.
59728		3	Resolved	Defer	Possible Missing Measurements on GTT discard	The Eagle does not peg the number of MSUs discarded after successfully passing SCCP GTT due to destination route congestion. This peg count may need to be added.
60007		3	Resolved	Defer	adl.mgr obits fails upgrade when IPLIMI links go down	Cards will timeout and ask to be downloaded again. All cards will be successfully downloaded. This should not occur during a upgrade in the field since all IMT bus failures should be cleared before the upgrade is started.
61313	Y	3	Resolved	Defer	Netboss and STP2 alarm mismatch	NetBoss network management system does not accurately reflect status of the network.
61394		3	Resolved	Defer	HC-MIM Starting lfs on remote link that is already in loopback, clear loopback	After the ACT-LBP is first issued on the FE, the subsequent ACT-LBP on the NE causes the loopback to be cleared. This requires a reissue of the ACT-LBP on the FE. To avoid this type of collision, the user must check the LINK state by performing the rept-stat-slk:loc=xxxx:link=yyy. This command should show a failure of "REPT-LKF: remote NE loopback". If this is the case, then it is possible the FAR END issued an ACT-LBP. In this case, coordinate LFS testing with the operator at the FAR END.
61519		3	Resolved	Defer	Large safety values can cause bus congestion	The potential for this problem has been around since the HMUX was introduced into the field. It was only with the recent testing in release 35 that the problem was detected. This has not been seen in the field.
74455		3	Resolved	Defer	Upgrade action=convertstp failure due to measplatform	This problem can only occur when the measurements platform feature bit is set and there are no MCP cards in the system. The workaround is to insert the MCP cards or to perform the upgrade's network conversion using the appl parameter.
74770		3	Resolved	Defer	RTRV-E1 column alignment off	Cosmetic flaw - no system impact.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
83640		3	Resolved	Defer	no rept-stat-alm support for TPS_SS	There is no REPT-STAT-ALM support for the IP TPS device created in 31.6.
83796		3	Resolved	Defer	Telcordia - Telcordia – Missing TxR during adjacent restart before sending TRA and traffic	After Adjacent Restart completes, the adjacent node may not have the correct Point Code status and may send traffic to the EAGLE that would otherwise be send on an alternate Allowed route.
83835		3	Resolved	Defer	GWS UIM 1062 CARD 1316 INFO **** too large (L1113) is uninformative and misleading	This UIM does not give users any information on what it is. This comes out of the GLS card when it is trying to bind the GWS tables.
83900		3	Resolved	Defer	chg-ls for apcntype requires the links to be deleted	The chg-ls command for apcntype requires the links to be deleted while other parameters can be change by just having the links out of service.
84118		3	Resolved	Defer	STPOPTS table is not updated in RMS	Certain subsystems in the OAM rely on the RMS (memory resident) copy of stpopts. This could lead to minimal OAM impact. Most of the OAM uses the DMS (disk based) copy of stpopts. The workaround is to reboot the OAMs to refresh the RMS copy of stpopts
88298		3	ReadyToTest	Active	link fails during congestion due to sltc failure	SE-HSL (China) links running to one SE-HSL link at 95%. The link goes into congestion. Then the link fails due to SLTC failure. If the problem happens the card may have to be booted (init-card) to bring the link up.
88975		3	Resolved	Defer	HIPR BSU routing	The sending card will continue to send the BSU until the card that the BSU was lost on booted its COMM processor and BSU were allowed to complete their cycle. This condition will last only as long as it takes the COMM processor to boot. This condition has not been seen in the field.
89294		3	Resolved	Defer	DSMs receive UDP broadcasts intended for MPSs as a broadcast side effect	DSM cards generate these multicasts that the peer DSM cards receive. The result is unnecessary waste of time and CPU cycles by all DSM cards to recover from receiving multicasts that are of no interest or use to the card. The handling of these messages consume a negligible amount of time and CPU cycles.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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 transmitted message would be more complete; however, ASP Failure is for all RCs so SG configuration can be consulted.</p>
90227		3	Resolved	Defer	flash-card incorrect error code for HMUX/HIPR	The error for attempting to flash a HMUX/HIPR with the flash-card command should be E2212 "Card location specified is not valid for this command". This can result in the customer being confused on what caused the command to be rejected.
90304		3	Resolved	Defer	EAGLE DOES NOT REPORT SCCP CARDS THAT ARE NOT CAPABLE OF WARM RESTART	An attempt was made to warm restart cards which should not be warm restarted since their db levels were not correct. They soon booted with pvdl obits and began cold starting. At the time of the warm restart attempt the EAGLE did not indicate that the cards were not warm restartable.
90486		3	Resolved	Defer	init-sys:data=persist may not work if OAMs boot onto new gpl	If an init-sys:data=persist command is issued when a MO is in the MDAL and the EOAM on the MO is not the same as the one running on the EAGLE, warm restart data will not be valid.
90568		3	ReadyToTest	Active	Retransmission of IMF packets	<p>Monitoring on IP link is supported and this PR is not a issue anymore on IP link.</p> <p>ATM link may put extra burden on IMT for copied traffic, however, test showed that it doesn't have any impact.</p> <p>This PR may cause socket queues to back up on SE-HSL card and result in discarding the copied MSU.</p>
90891		3	Resolved	Defer	entering invalid prefix value for prefixnum 4 for Prepaid IDP Relay feature gives incorrect message	<p>The error message returned is E4343 "Feature Prefix too long". This is not correct, the prefix is not too long, but rather the value is not a valid value. This error message is misleading.</p> <p>No real impact as the customer has valid values.</p>
96369		3	Resolved	Defer	UI accepts "up arrow" in KSR mode before ctrl-a entered	In KSR mode (term=ksr, not F11) the command prompt processes the up-arrow event, shifting the command buffer back by one before the ctrl-a prompt is entered/available.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
96447		3	Resolved	Defer	ath CMT_MD.ASM on ccs7itu cards during 55.47.0 upg phs3	In the event that HCMIM cards and non-HCMIM cards are gpl downloading at the same time. Some non-HCMIM cards may fail the gpl download due to a timeout but will be successfully downloaded once the HCMIM cards are loaded. Some sev 1 errors indicating messages with an invalid destination subsystem number will also be output by the non-HCMIM cards.
96606		3	Resolved	Defer	SCTP pass command shows hidden characters if run from telnet terminal	No system impact. The output just shows tab characters.
96621		3	Resolved	Defer	Multiple IPGW TPS Feature Quantities permanently enabled	The largest TPS value enabled will be used by provisioning commands, so there is no outward impact aside from rtrv-ctrl-feat showing more than one TPS value enabled. There is no impact for non-IPGW customers.
96679		3	Resolved	Defer	Command recall on telnet terminal get confused when changing direction (up vs down arrow)	Minimal, the command recall will start going in the correct direction on the next press of the arrow key.
96769		3	Resolved	Defer	UAM 0084 Failed Channel info displays nothing	The user could receive an IP Connection Unavailable alarm without the Failed Channel indication being valid. It should immediately be followed up with an IP Connection Available message. Worst case scenario, the user would not know which channel failed.
96814		3	Resolved	Defer	SCM_UAM trouble when deleting links during collection period	This scenario will result in the failure to output alarms, which would disrupt element management tools such as NETBOSS from accurately depiction alarm status. This would require a re-sync when that mismatch is detected. Note: this would only happen in the case that: - a device has detected an alarm, - queued the alarm to be displayed, - and the device is removed PRIOR to the displaying of the alarm condition.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
103196		3	Resolved	Defer	ISUP gateway screening not calling stop actions for IP7 cards	Customers cannot perform stop actions (copy, rdct, tlnp, etc.) on ISUP traffic based on ISUP gateway screening for traffic arriving on IP7 cards. Other screening mechanisms will work fine, and ISUP screening works fine on non-IP7 cards.
104535		3	Resolved	Defer	SEAS commands limit linkset names to 8 chars	SEAS commands issued for linksets with names longer than 8 characters will be rejected.
104625		3	Resolved	Defer	misleading output on copy-gpl from mo to standby	The first line of output says that the gpl is being copied "ON" the removable. According to the command manual the output should be "COPY GPL: MASP B - COPY STARTS FROM REMOVABLE CARTRIDGE TO STANDBY TDM"
105314		3	Resolved	Defer	single DSM stopped taking updates	When RMTP communication fails for a single card, there is no obvious indication that the DSM is not taking updates. <WORKAROUND>The IP Connection unavailable alarm should alert the user that something is amiss, but these may get lost in dirty system. </WORKAROUND>
105480		3	Resolved	Defer	Telcordia - Level 2, 1._Timer T1 was measured at 23.94 seconds. Range is 40 – 50 seconds	This may cause links on HCMIM card to spend less time in aligned ready state.
105986		3	Resolved	Defer	FIGTTLS- Incorrect value displayed for Spare PC in FTRA on UNIX machine	Incorrect display of point code data via FTRA.
106081		3	Resolved	Defer	Upgrade of group of cards too long when there are cards OOS	The upgrade can take longer than expected when cards are OOS isolated in the system. The delay is an extra 1 minute per card that is isolated.
106162		3	Resolved	Defer	OBSR: Wrong Error output for ent-gttset command	None: incorrect command error is output, it is not misleading, just different from the original command spec.
106174		3	Resolved	Defer	TST-SLK fails for M2PA and SAALTALI links	TST-SLK does not work on IPLIM. The user can use the ping command to accomplish the same functionality as the tst-slk command.
106214		3	Resolved	Defer	FIGTTLS - Trouble on module SIH_UTL during fallback procedure	UIM 1249 is still output but the information other than the opc is incorrect. Once the system is be returned to the source release the troubles stop.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
106521		3	Resolved	Defer	Incorrect IP Address displayed in sctp pass cmd for multihomed association	Alias IP addresses are not fully supported in Eagle. The Eagle SCTP implementation uses the "from" address in the IP header of the SCTP heartbeat ack for determining which multihomed paths are active. When an alias is used at the peer, the "from" address in the heartbeat ack may not match the "to" address in the heartbeat. In short, alias IP addresses are not fully supported. The intent is to support multiple physical paths, which is working correctly in Eagle.
106578		3	Resolved	Defer	REI 34.3 : Severity 1 reported on IPSM card	Minimal customer impact. The trouble is generated during an init operation and there is no loss of function.
106668		3	Resolved	Defer	EMP doesn't change CLLI after chg-sid	Can cause loss of MSU copying to Sentinel since you have to either boot or turn EISCOPY off to get the CLLI to change.
106791		3	Resolved	Defer	Traffic loss on IPLIM with mix of TALI & M2PA	Due to obscurity of setup (mix of TALI & M2PA, max traffic rate, activating/deactivating links while opening and closing associations) and difficulty of reproducing, this problem is very unlikely to occur in the field.
107100		3	Resolved	Defer	BCAST.C trouble and inconsistent card database alarm found during upgrade from 31.6.11 to 34.3	Minimal system impact since this problem only occurs during a removable based upgrade which is hardly ever used. The incoherent DB can be fixed easily with a restore operation from the MO cartridge.
107153		3	Resolved	Defer	NTP_ULT.C on ILAs post short NTP outage	<p>The trouble is indicative that the timestamp value for the ILA card has slammed, i.e.: jump ahead/back an unexpected amount of time.</p> <p>The trouble occurs because when NTP server updates do not come to the EAGLE often enough for a sufficiently long period of time (several minutes) and the coarse clock on the ILAs used to check the range values of the timestamps drift excessively to be accurate. Since timestamps are derived from the TSC clock, they should still be accurate.</p> <p>The problem is corrected once the NTP broadcasts to the EAGLE resume</p>
107505		3	Resolved	Defer	FFGTLS: RTRV-TBL-CAPACITY	RTRV-TBL-CAPACITY will reflect only partial impact. Two tables are involved: RPC3 - old PC+SSN based MAP data and new MAP table. If FGTLS feature is enabled, then old RPC3 does not reflect actual usage / capacity. Also impacted by XMAP feature

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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.
107961		3	Resolved	Defer	TELCORDIA-MOBR-A TCR concerning SPC is incorrectly sent to MSTP.	Incorrect message broadcast may cause traffic to be incorrectly routed to EAGLE, requiring response method message to correct traffic. Response method TFP, etc. will correct the situation, and response method is a normal design constraint for NCR.
107980		3	Resolved	Defer	Failover of active ELAP causes dsm's to go Inconsistent	Other than minor alarm: none. Condition clears when high rate provisioning subsides. No traffic or RTDB is affected, DSM are more than one level behind after fail-over and can not catch up with provisioning rate.
108025		3	Resolved	Defer	EOAM boots on entering ent-bp command with bc > 96	Maximum supported data dump is 96 bytes, which is supported by the command. It is only if the specified number of bytes to dump exceeds the supported maximum that the problem occurs.
108214		3	Resolved	Defer	OBSR: GTT UIM not printing to terminal	Terminal with excessive output being displayed may fail to output a UIM to the terminal. No other system impact.
108242	Y	3	Resolved	Defer	SS7 over IP M2PA link (not HSL/ATM). UIM needs updated.	IPLIMx and IPGWx signaling links use the SAAL link class for reporting.
108252		3	Resolved	Defer	VSCCP card obits after set-time and measurements boundary	The basic cause of this problem is that setting the time to 1 minute before the hour does not clear 60 minute LNP data. A change was made when 92million LNP was added to require the time to be set to 2 minutes before the hour. However, since a user can still set the time to 1 minute before the hour, hourly measurements for LNP attempts to clear the LNP arrays when the hourly boundary is hit. The clearing takes a considerable amount of time. It is not known why only one of the VSCCP cards boot since all VSCCPs experience the LNP 60-minute clearing problem.
108298		3	Resolved	Defer	Telcordia - 34.0 audit - NCR: Unexpected Response-TCR when Secondary Route Changes from Prohibited to Restricted	This will unnecessarily delay the restoration of traffic to the adjacent node, until the adjacent node sends a route-set-test (RST) message.
108444		3	Resolved	Defer	Table Copy does not handle multiple remote copy operations	Minimal system impact. Presently it is left up to the applications to retry remote table copy operations. This issue has never been seen in the field.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
108520		3	Resolved	Defer	Telcordia - 34.0 audit - Unexpected TFA Broadcast	IMPACT: Sending unnecessary network management messages results in inefficient use of network resources.
108556		3	Resolved	Defer	Telcordia - 34.0 audit - TFR sent when alternate route becomes prohibited. (not an ITU specification)	IMPACT: This results in unnecessary use of network resources and may allow backrouting in this scenario.
108562		3	Resolved	No-Fix	Telcordia - 34.0 audit - Preventive TFPs sent during adjacent restart and after adjacent restart	IMPACT: Sending duplicate messages results in inefficient use of network resources.
108566		3	Resolved	Defer	Full Restart aborted if link aligned during loader timeout	If a user manually activates a deactivated link via act-slk to end the node isolation, then full restart does not occur even though the node was isolated for TimerIsolation. The TimerLoader is a function of the number of OOS-MT cards in the system, so you get different time windows for aborting full restart depending on the number of OOS-MT cards present.
108611		3	Resolved	Defer	RANDSLS feature missquences MSUs	This may result in message mis-sequencing.
108970		3	Resolved	Defer	M3UA - Telcordia - The Eagle does not fully support the n+k redundancy model	N+K redundancy model is not supported for IPGW M3UA/SUA when N is greater than 1. So an AS will be considered active once the first ASP that is provisioned to serve it becomes active.
108972		3	Resolved	Defer	M3UA - Telcordia - The Eagle does not support the Broadcast traffic mode type	M3UA/SUA does not currently support Broadcast AS traffic mode as specified in draft-ietf-sigtran-rfc3332bis-02 Section 3.7.1. This is a non-compliance issue.
108988		3	Resolved	Defer	E5-ENET: Misleading "FAILED: INACTIVE BLBIOS INUSE"	Minimal. The error response is misleading and refers to blbios instead of blbepm. The flash command is still rejected properly.
109130		3	Resolved	Defer	MTP3Issue16-FMR- Telcordia - FMR: TRAs are prematurely sent on the IPVHSLs during T24.	IPLIM may terminate full restart before completing broadcast, so adjacent nodes may begin to send traffic before all preventive messages are sent.
109145		3	Resolved	Defer	Tekelec MTP2 Report -Telcordia-Link Removed From Service Prematurely When Oversize MSU Causes Octet Counting	The E5 E1T1 card will remove a link from service prematurely after receiving a 280-octet MSU immediately followed by 5 BAD 250-octet MSUs.
109146		3	Resolved	Defer	ITEM #4- Telcordia - : Duplicate SLTMs Sent Upon Alignment	None. The second SLTM will be discarded by the receiving node.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
109176		3	Resolved	Defer	E5-ENET- TELCORDIA - The E5-ENET card sent an XCOO on the second link after receiving an LSOS, ABORT, or SHUTDOWN message dur	No customer impact. Changeover will occur if processor outage lasts too long.
109267		3	Resolved	Defer	E5-E1T1 After warm or cold reset links status changes to remote loopback	This problem only occurs after a warm restart (inh-card, alw-card), and if it occurs it will occur prior to any links on the card coming back into service. Issuing an init-card command, or otherwise resetting the card, will resolve the problem. Since any links on the card had already been taken down prior to this problem occurring, this problem should not affect traffic.
109352		3	Resolved	Defer	SCCP_ITUN_iss1_first_msg_after_fail - Telcordia - 1._(ITUN) First Message After Failure Not Returned on Error.	First message does not get UDTS (return on error) when in congestion. Could not replicate in LAB.
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.
109834		3	Resolved	No-Fix	Can not generate AIS when testing the E5-E1T1 card in rel 35.0.	AIS alarms have not been reported. However, note that an AIS alarm also results in a higher priority LOF alarm that would be displayed under normal circumstances. Thus, there is no known net adverse effect to system operation since the LOF alarm will be generated.
109847		3	Resolved	Defer	Dynamic Database Audit blocks Medium Priority Task for > 500 ms	No operational impact. This only comes into play when we perform a DDB checksum send-msg.
109848		3	Resolved	Defer	Dynamic Database Crossload (DDL) blocks Medium Priority Task for > 500 ms	The customer may see TVG_HMUX.C or TVG_HIPR.C troubles while a (V)SCCP card is crossloading another card. This will not have any adverse impacts on the normal processing of the (V)SCCP traffic since they have priority over crossload.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (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	Resolved	Defer	SCTP Init Issues12-Telcordia-3)_INIT with non-zero Verification Tag was accepted	Minor (and debatable) non-compliance to RFC2960. No other impact.
109889		3	Resolved	Defer	SCTP Init Issues13-Telcordia-4)_ABORT contained Verification Tag set to 0	When an INIT contained an advertised receiver window credit set to 0, the number of outbound streams set to 0, or the number of inbound streams set to 0, the Eagle correctly responded with an ABORT, but the Verification Tag in the ABORT was set to 0. Likewise, when an INIT ACK was received with the number of inbound streams set to 0, or the number of outbound streams set to 0, the Eagle correctly responded with an ABORT, but the Verification Tag in the ABORT was set to 0. No customer impact. Minor SCTP non-compliance.
109890		3	Resolved	Defer	SCTP Init Issues14-Telcordia-5) ABORT was not sent for an INIT or an INIT ACK with an invalid stream value	When the SUT received an INIT with the number of outbound streams set to 1 or the number of inbound streams set 1, the SUT did not send an ABORT, and continued with association establishment. Likewise, when an INIT ACK was sent such that the number of outbound streams was greater than the number of inbound streams in the received INIT, the number of inbound streams in the INIT ACK was set to 1, or the number of outbound streams was set to 1, the SUT did not send an ABORT, and continued with association establishment.
109891		3	Resolved	Defer	SCTP Init Issues15-Telcordia- 6) ABORT was not sent for an INIT with an invalid IPV4 address parameter	When an INIT contains an invalid IPV4 address parameter, the Eagle will not send an ABORT, and continue with association establishment.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
109892		3	Resolved	Defer	SCTP Init Issues16-Telcordia-7) ABORT was not sent for an INIT containing host name address parameter	When an INIT contained a host name address parameter, the SUT silently discarded the INIT and did not send an ABORT.
109893		3	Resolved	Defer	SCTP Init Issues17-Telcordia-8)_SUT did not apply the back-off timer rule to Timer T1	When the Eagle did not receive an INIT ACK or COOKIE ACK in response to an INIT or COOKIE ECHO chunk, it did not double the value of Timer T1. SCTP RFC retransmission mode may not perform exponential backoff when retransmitting packets. Tekelec's default retransmission mode is LINEAR.
109894		3	Resolved	Defer	SCTP Init Issues18 Telcordia-9)SUT did not use T1-init timer value for COOKIE retransmission	When the Eagle did not receive a COOKIE ACK in response to a COOKIE ECHO chunk, it retransmitted the COOKIE ECHO chunk after 0.8 seconds, instead of waiting for the T1-int timer (1.0 seconds) to expire. This timer is tuned in Eagle to allow quicker connection establishment.
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 received by the Eagle, it correctly responds with an ABORT, but the ABORT is malformed – it does not contain padding bytes and the unresolvable address contains extra bytes before the address value. This is a minor non-compliance to RFC2960.
109897		3	Resolved	Defer	SCTP Init Issues21-Telcordia-12) SUT sent COOKIE ACK in response to a COOKIE ECHO with an invalid Verification Tag	Eagle does not verify the correctness of all fields in SCTP messages. This has no impact when interoperating with a correct implementation and improves performance.
109898		3	Resolved	Defer	SCTP Init Issues22-Telcordia-13) SUT sent incorrect INIT in response to an ERROR chunk with a stale cookie error	Incorrect handling of stale cookie error. Does not impact our ability to align and carry traffic.
109899		3	Resolved	Defer	SCTP Init Issues23-Telcordia-14) SUT send an ABORT in response to an OOTB COOKIE ACK	When the SUT received an “out of the blue” COOKIE ACK, it responded with an ABORT instead of silently discarding it.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
109900		3	Resolved	Defer	SCTP Init Issues24-Telcordia- 15) SUT did not increment cookie lifespan when it received an INIT with a valid Cookie Prese	Our cookie lifespan is currently long enough to support the networks we support, so Eagle doesn't need it.
109901		3	Resolved	Defer	SCTP Init Issues25-Telcordia- 16) SUT populated the State Cookie Tie Tags in INIT ACK	Currently not impacting our ability to connect, but in the future might encounter an implementation that validates these fields.
109902		3	Resolved	Defer	SCTP Init Issues26-Telcordia- 17-17)_SUT did not send an ERROR chunk when an invalid COOKIE ECHO chunk with an expired State	Not impacting our ability to align and carry traffic. This is an issue with validation of invalid packets.
109903		3	Resolved	Defer	SCTP Init Issues27-Telcordia-18 18) SUT sent an ERROR chunk when a valid COOKIE ECHO chunk with an expired State Cookie was 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	Resolved	Defer	SCTP Init Issues28- Telcordia - 20) SUT sent ABORT with with an incorrect T bit value of 1	When the SUT received an INIT with an Initiate Tag set to 0, the SUT correctly responded with an ABORT chunk, but the ABORT chunk contained a T bit value of 1, indicating that it did not have a TCB. No impact on ability to align/carry traffic.
109906		3	Resolved	Defer	SCTP Init Issues30 -Telcordia- 1) SUT does not use exponential back-off for heartbeat RTO	The Eagle did not use exponential back-off of the RTO when sending HEARTBEATs for which it did not receive HEARTBEAT ACKs. SCTP RFC retransmission mode may not perform exponential backoff when retransmitting packets. Tekelec's default retransmission mode is LINEAR.
109907		3	Resolved	Defer	SCTP Init Issues31-Telcordia-2)_SUT sent HEARTBEAT ACK in response to a HEARTBEAT without the Heartbeat Info parameter	The Eagle responded with a HEARTBEAT ACK when it received a HEARTBEAT that did not contain the heartbeat info parameter. No impact if a correct heartbeat request is sent. The ACK merely copies what's in the heartbeat request.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
109908		3	Resolved	Defer	SCTP Init Issues32-Telcordia- 3) SUT Sent Heartbeat after receiving an ABORT chunk	When the Eagle was in the Established state and received a DATA chunk bundled with an ABORT chunk for the existing association (DATA was first chunk, ABORT was second chunk), the Eagle responded with a Heartbeat chunk. RFC states. DATA chunks MUST NOT be bundled with ABORT. A correct implementation would not send this packet.
109909		3	Resolved	Defer	SCTP Init Issues33-Telcordia-4)_SUT Sent COOKIE ACK after receiving an SCTP packet containing both a COOKIE ECHO and an ABOR	During association establishment, after the Eagle sent the INIT_ACK, and received a COOKIE ECHO bundled with an ABORT chunk (COOKIE ECHO was first chunk, ABORT was second chunk), it responded with a COOKIE ACK chunk before aborting the association. There is no customer impact due to the fact that Eagle does not validate that an ABORT is not bundled. Connection will still terminate.
109910		3	Resolved	Defer	SCTP Init Issues34_Telcordia-5)SUT resent SHUTDOWN ACK before T2-shutdown timer expired	When the Eagle was in the SHUTDOWN-ACK-SENT state, it retransmitted the SHUTDOWN ACK before the T2-shutdown timer expired. Eagle uses shorter timers than the default RFC timers in order to improve timeliness of events including shutdown.
109911		3	Resolved	Defer	SCTP Init Issues35-Telcordia-6) SUT did not apply the back-off timer rule to Timer T2	When the Eagle was in the SHUTDOWN-ACK-SENT state, and did not receive a SHUTDOWN COMPLETE in response to a SHUTDOWN ACK, it did not double the value of Timer T2. In addition, the STP only retransmitted the SHUTDOWN ACK Association.Max.Retrans -1 times. Eagle supports multiple retransmission algorithms for improved performance. The default does not match the RFC, but RFC algorithm is supported.
109912		3	Resolved	Defer	SCTP Init Issues36-Telcordia-8) SUT sent ABORT with wrong error cause in response to a DATA chunk without the User Data param	There is no impact when interfacing with a correct implementation. If Eagle receives a packet with no user data in error, Eagle will send back the wrong error cause.
109915		3	Resolved	Defer	SCTP Init Issues38- Telcordia - 10 SUT sent ERROR chunk with Verification Tag value of 0 and a SACK with incorrect cumulat	When the Eagle received a DATA chunk with an invalid stream identifier, it responded with an ERROR chunk containing a Verification Tag value of 0 and a SACK with an incorrect cumulative TSN value. Eagle does not validate stream identifier. There is no impact when an implementation sends correct data.
109916		3	Resolved	Defer	SCTP Init Issues39-Telcordia- 11) ABORT is not sent in response to a DATA or SACK chunk when no association existed	When the SUT received a DATA or SACK chunk from an endpoint for which no association existed, it did not send an ABORT. No impact when interfacing with a correct implementation.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
109917		3	Resolved	Defer	SCTP Init Issues42-Telcordia-14) SUT did not use the back off timer for data retransmissions	When the Eagle did not receive a SACK for a transmitted DATA chunk, it retransmitted the Data chunk after the T3-rtx timer. However, when the Eagle still did not receive the SACK, for subsequent T3-rtx timer expirations it did not double the value of RTO. SCTP RFC retransmission mode may not perform exponential backoff when retransmitting packets. Tekelec's default retransmission mode is LINEAR.
109918		3	Resolved	Defer	SCTP Init Issues46-Telcordia-18) SUT did not retransmit an unacknowledged DATA chunk Association.Max.Retrans times	When the Eagle did not receive a SACK, it did not retransmit the DATA chunk Association.Max.Retrans times. We retransmit 1 too few times. In practice this is not an issue, since we retransmit enough times to guarantee we can meet our performance requirements.
109954		3	Resolved	Defer	Card 2205 Module BCAST.C Line 1767 Class 01b1 Severity 1	The sev1 message is generated when a card is attempting to broadcast invalid data to other cards within the Eagle. There is no system impact.
110004		3	Resolved	Defer	SEAS- Telcordia- Item 12 - P_SYSTOT - originated MSU count and octet counts should be the total from all links	SYS_TOT originated MSU count and octet counts should be the totaled from all links but instead reported ORIGMSUS and ORMSUOCT. This is limited to IPGW cards only.
110004		3	Resolved	Defer	SEAS- Telcordia- Item 12 - P_SYSTOT - originated MSU count and octet counts should be the total from all links	SYS_TOT originated MSU count and octet counts should be the totaled from all links but instead reported ORIGMSUS and ORMSUOCT. This is limited to IPGW cards only.
110007		3	Resolved	Defer	IPDA: UAM #478 reported rather than #479 for processor congestion clear due link not monitored	Alarm# 477 (Congestion: Copy Function De-activated) may be cleared with clearing alarm #478 (Copy Function Activated) instead of clearing alarm #479.
110117		3	Resolved	Defer	IPLHC msucount shows RX higher than TX	No significant customer impact. The RX and TX msucounts (in the msucount pass command output) on either side of an M2PA link appear to be slightly inconsistent in some, but not all, cases.
110190		3	Resolved	Defer	Traffic rerouting (HMRT) blocks Medium Priority Task for > 500 ms	Customers may see a TVG_HMUX.C or TVG_HIPR.C trouble when this occurs. This will not cause any issues for normal processing.
110198		3	Resolved	Defer	IPS: Module sentry.c Line 375 Class 01c1 obit	Temporary lost of IP UI terminals. Card(s) recover automatically and occurrence is rare - seen only once and not repeatable.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
110230		3	ReadyToTest	Active	UIMs 1338, 1339 need to have their output groups changed from SYS_MAINT to GTT	There is no impact on traffic. The obvious impact is on the terminal's output: two UIM's for OBSR are assigned to SYS_MAIN output group instead of their native GTT group.
110259		3	Resolved	Defer	Pass command "sctp -a <assoc_name>" displays incorrect local IP address as 0.0.0.0	The "sctp -a assocnam" pass command will display 0.0.0.0 for the local IP address for associations that are uni-homed locally on the Eth B interface.
110260		3	Resolved	Defer	IPLIM EDCM loses traffic during CO/CB with 150ms RTT and IP packet loss	SSEDCM / IPLIM cannot achieve sustained throughputs at very high RTTs (>~100ms) with large MSUs and when packet loss occurs in the IP network. RTTs supported prior to 35.0 (i.e. > ~70ms) are still supported under these traffic conditions.
110264		3	Resolved	Defer	E5-ENET: Congestion occurs with 0.025% packet loss on IPGHC	Packet loss in the IP network may cause IP connection congestion and potentially traffic loss when SCTP buffer sizes are within specified ranges for the RTT in TR005007. The congestion immediately abates without loss of the SCTP connection.
110286		3	Resolved	Defer	SRI has extra data on the end of message	This problem happens when RN is deleted from a relayed SRI message. When the RN is deleted, tcap length is updated but the total message length is not updated. Hence the message goes out with extra bytes in the very end. The amount of extra bytes is equal to length of RN digits deleted. Since the TCAP length is updated, decoding of this message at the far end should not fail and the extra bytes in the very end would be ignored. This should not have any affect on message handling.
110292		3	ReadyToTest	Active	ent-trace does not work for DNs	Would only impact debug ability, but we can work around using MSISDN or other trigger value.
110302		3	Resolved	Defer	CSVGEN: China PC alias in an incorrect column	This affects China market only. Data is in incorrect column, so automated operation on data may misinterpret data.
110303		3	Resolved	Defer	CSVGEN: Invalid DOMAIN value in GTT for ITUN24	Only for China market for FTFA customers. DPCN24 values appear in the incorrect column, so automated tools may misinterpret data
110311		3	Resolved	Defer	init-card does not work after converttoam action	The customer is unable to continue the upgrade using the staged upgrade. If a customer used the staged upgrade (rather than convertstp) then to bypass this issue either the active OAM would have to be pulled and reseated or a send message could be used to boot the card.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
110321		3	Resolved	Defer	FTA area going incoherent	System impact is minimal. An incoherent FTA can occur whenever an FTA operation is interrupted. It is easily cleared by issuing a dlt-fta:all=yes:force=yes.
110343		3	Resolved	Defer	Measurement platform has incorrect Message Relay and Queries pegs when PCs are initially added	With 16 Point Codes provisioned and transmitting to the Eagle AIN, IN, LiDB, CLASS, CNAM, ISVM, WNP, PCS, queries and Message relay both ported and non-porting. Also added were default GTT and LRN OverRIDE. For the first period of several hourly periods the MR requests were pegged as simply queries. In later hourly reports the MR pegs appear but queries on the same Point Codes are seen which were invalid. Also queries of ported and non-porting should be the same but are not. In later reports that night the reports clear up and the data for the message relay and LNP queries both ported and non ported are correct.
110351		3	ReadyToTest	Active	Measurements platform displays the 24 hour peg counts for System Wide Measurements as a negative number	Peg counts displayed as a negative number can be converted to the actual peg count by adding 4294967296 (this is 2^32) to the negative value.
110352		3	Resolved	Defer	LNP measurements for SSP is not reported until the second hourly period after 15 minute measurements is turned	One or more measurement report transfers to the FTP server may be delayed until the next reporting cycle. There are no known deficiencies in the report once it has been transferred. Note that any report can be generated manually via the rept-ftp-meas command within the retention period for the desired report.
110409		3	Resolved	Defer	IPS: Intermittant need to init-card to get "all=yes" output to display	Occasionally customer may need to init the IPS card to update terminal output groups on IP terminals.
110550		3	Resolved	Defer	rept-stat-card cmd shows card type DCM instead of E5ENET	The rept-stat-card cmd reports card type = DCM if the card is DCM, reports card type = EDCM if the card is EDCM, and reports card type = DCM if the card is E5ENET.
110616		3	Resolved	No-Fix	SUA#2- Telcordia - EAGLE received a CLDT message containing an invalid parameter, the EAGLE did not send an Error Message in	An SUA CLDT message received by the Eagle with an SCCP Cause parameter is translated and routed instead being discarded and responding with an error to the sending SUA ASP.
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.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
110625		3	Resolved	No-Fix	SUA #14- Telcordia - CLDR Nature of Address in Source Address Different than Nature of Address in CLDT Destination Address	When an SUA CLDT Message is sent from an SUA ASP to the EAGLE which results in a routing failure (network congestion) the EAGLE responds with a CLDR message. The incoming CLDT message contained a Destination Address with a NAI=National Significant Number. The CLDR message generated by the EAGLE specified the Source Address NAI=Unknown instead of being coded identically to the CLDT Destination Address NAI (National Significant Number).
110626		3	Resolved	No-Fix	SUA #15 - Telcordia - CLDR Source Address Point Code Not Included	When an SUA CLDR message is sent by Eagle to an SUA ASP in response to an SUA CLDT message containing a PC parameter in the Destination Address which results in a routing failure, the CLDR message does not include a PC parameter in the Source Address.
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.
110639		3	Resolved	Defer	SEAS #9 - Telcordia - ADD-GTWYLS error reported 1 vs 2 digits of screen name when screen ref incorrectly began with a number	Screen references that start with a numeric value can not be provisioned. This will have minimal customer impact since an invalid screen reference was supplied in the SEAS command and the response contains the invalid portion of the command. The user would be able to diagnose that the screen reference is invalid and correct the command.
110881		3	Resolved	Defer	inh-trm/alw-trm sequence on IP terminal results in disconnection 1 minute later	The problem only occurs if the terminal is allowed and the customer telnets in within a minute of the terminal being inhibited. When this occurs the telnet session is dropped once, but stays up after the customer telnets back in.
110895		3	Resolved	Defer	Backspace/Corrections invalid when selecting an IP terminal for use with an Eagle	The customer is unable to enter backspace character when prompted for terminal number within a Telnet connection.
111052	Y	3	ReadyToTest	Active	LNPMR errors causing Non-GTT Service Alarm Level 1 to trigger	Customers will assume GLFEX / GPORT / EIR are the only Non-GTT services for the Alarm threshold in chg-th-alm.
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.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
111293		3	Resolved	Defer	E5 E1/T1 and HC-MIM - Module t4b_bm.c Line 365 Class 01c4 Obit after receiving a continuous stream of SLTMs	If a node interfacing with Eagle start sending SLTM messages more than 1000 messages per second for a period of time, it can result in booting the card with obit "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.
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 conditions: 1. An HC-MIM card provisioned with 64 links. 2. Monitoring turned on and all the links are monitored. 3. Run 0.9 Erlang traffic. 4. Take couple of links down.
111634		3	Resolved	Defer	Module SUM_MGR.C Line 717 Class 0074 on VSCCP card	The trouble indicates that an malformed message was received by this card. It may be either a HW or SW problem, but it does not happen often at all and the system recovers gracefully.
111635		3	Resolved	Defer	mdb_mtls.c Line 828 Class 0284 Severity 1 on VSCCP cards	Extraneous ATHs flooding the terminals for a few seconds while loading VSCCP cards. Slightly longer time to load VSCCP cards due to linkset entries being reloaded unnecessarily. NOTE: There is NO ISSUE with the integrity of linkset tables or any other data on the VSCCP cards-- tables will all be correctly and completely loaded.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
111730		3	Resolved	Defer	scopy trouble coming out on the EAGLE	This doesn't have any system impact because the design takes care of the case where a resource is not found.
111748		3	Resolved	Defer	Module NTP_UTL.C Line 1337 Class 0001 Severity 1 after Init-sys on large system	This trouble was seen after an init-sys on a large system with over 10,000 TPS. No significant impact to the customer because the Sev 1 ATH clears itself as the system stabilizes after the init-sys.
111778		3	Resolved	Defer	LIMs can incorrectly broadcast INMs out of order and without using TVG grants	If initiated, the LIM cards may send internal network events out of sequence. The area of code that has this deficiency is only exercised during debug situations and will not occur during normal situations.
111783		3	Resolved	Defer	E5 E1/T! cards output ntp_utl.c trouble	The Sev 1 errors will flood the user's terminals until the error clears as the system stabilizes after switchover.
111787	Y	3	Resolved	Defer	Unable to delete cluster route; Command Error:"Last route to DPC in use by GTT"	Aug. 25, 2006 - Customer is unable to delete a cluster route from the EAGLE. Per the EAGLE the last link in the route is in use by GTT but the after retrieving the GTT tables neither a cluster member or the C-LINK is referenced by the GTT tables.
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.
112052	Y	3	ReadyToTest	Active	HCMIM Card reporting E1 Unavailable and SLKs are Available	This was an alarm reporting issue where the E1 was reported to be unavailable, even though the link was still available. Since the link was operational, the impact is that the customer can not be sure if the E1 is available or not.
112070		3	Resolved	Defer	Sev 1 trouble CMT.ASM line 2325 during Eagle 34.2 to 35.1 upgrade	The system issues the troubles and appear to recover; no other adverse effects have been observed. The upgrade still completed successfully.
112110		3	Resolved	Defer	FSSPV_36.0: Module NTP_UTL.C observed on GPSM cards	No significant impact to the customer because the Sev 1 ATH clears itself as the system stabilizes after the init-sys.
112195		3	ReadyToTest	Active	Module HMCG_DST.C Line 1358 Severity 1 during 31.6.11 to 35.1 upgrade	
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.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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.
112366		3	Resolved	No-Fix	The wrong UIM is output for DAUD's with RC and no RC in rtkey for some cases.	There is no M3UA/SUA protocol impact to this problem. An incorrect UIM ("Mismatched RC") is output on the EAGLE instead of the "Protocol Error" UIM for deviated DAUDS or "Invalid Parameter Value" UIM for invalid masks. The proper ERR message is still returned to the ASP.
112367		3	ReadyToTest	Active	Telcordia - mdb_scp.c severity 1 trouble generated when performing ent-map	Trouble only for FFGTTLS application - temporary dynamic MAP entry status
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 gft_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.
112507		3	ReadyToTest	Active	MPS Maintenance Manual needs to better define combination alarms	Minor - will be fixed in next release.
112536		3	Resolved	Defer	SEAS Data Collection Commands cause uplu_mgr and uplo_mgr trouble	The SEAS measurements commands are not intended to work with the 15 minute measurements feature, so these commands will not be functional in this case. An unexpected ATH may however be generated, but any output indicating the actual problem will likely not occur.
112547		3	Resolved	Defer	RX MTPP counts not pegged for M3UA	The pegs for IPGW M3UA/SUA connections that are receiving SNMs that are being discarded does not show up in the "MTPP" portion of the MSUCOUNT pass command output. Instead it is pegged in the "Received PDU Error" count.
112653		3	Resolved	Defer	during loading cards reboot with ddl_mtp.c obit	This obit may occur during upgrade, but it will not be persistent. A card may obit, then will succeed in loading on the next attempt.
112665		3	Resolved	Defer	Un-expected Copy De-act w/ sufficient STC capacity on shelf	Integrated Monitoring feed from Eagle to IMF loses monitored MSUs when running within engineered capacities.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
112906		3	Resolved	Defer	aud_oam.c troubles after copy-gpl command executed	No customer impact. The gpl audit will continue and properly compare the calculated checksum with the checksum in the gpl trailer during the next audit cycle.
112920		3	Resolved	Defer	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.
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.
113321	Y	3	Resolved	Defer	MPL: Module EMP_TREK.C Line 2524 Class 3409 Severity 1	It's a minor issue where a UDP socket goes down and doesn't come up in time. When the concerned UDP socket tries to bind to an address, it gets an error code which means "Address is already in use". It appears that the UDP socket that went down lingers on the address for a period. When the linger timer expires the UDP socket comes up.
113468		3	Resolved	Defer	Out of Control Congestion: Copy Function De-activate / Copy Function Activate	Sudden increases in traffic on IPLIMx/IPGWx cards being monitored may result in oscillation of monitoring congestion. Note, this problem has not been reproduced in engineering. A problem in the IPDA monitoring networks can result in the symptoms described by this PR. This has not been ruled out as the source of the problem.
113551		3	Resolved	Defer	IPLIM card generating Module iplim_m2pa_s severity 1 messages when far end fails the link	An ATH is issued by M2PA when the link fails before proving completes. There is no operational impact.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Dispo- sition	Title	Customer Impact
113827		3	Resolved	Defer	MAP Combined Loadsharing does not loadshare when last node of preferred group is congested	<p>During congestion on the last available node of an RC group, all traffic is sent to a single node of the next available RC group instead of loadsharing across all available nodes. This may cause the secondary node to congest as well. When this node congests, loadsharing will resume to all other nodes.</p> <p>If the node in the first RC group goes Prohibited, then load-sharing resumes.</p> <p>Thus, instead of 1 node congesting, 2 nodes may congest.</p>
113837		3	Resolved	Defer	DISP-TRACE command does not display all entered traces.	Minimal customer impact. The customer will only be able to enter in 9 active trace requests instead of 10.
113858		3	Resolved	Defer	IPDA: EMP Doesn't report event for lost assoc or lost link align until conditions go away	When the SCTP association for an M2PA link fails, the IMF receives Eagle alarms about the connection/SLK failure but does not receive any EMP link events until the association is restored and the M2PA layer attempts to re-align the link. This can cause delayed reporting of M2PA link failures by IMF.
114009		3	Resolved	Defer	IPLHC boots with itx_mgr	Under heavy traffic load, and most likely during changeover/changeback scenarios, E5-ENET card may boot due to excessive IMT ack delay on cards they are delivering traffic to. Investigation of this problem is still underway.
114025		3	Resolved	Defer	EMP/SCOPY congestion in normal conditions	Integrated Monitoring feed from Eagle to IMF congests and loses monitored MSUs when running within engineered capacities.
114356		3	Resolved	Defer	rept-stat-user output misaligned for longer commands	None, in the output of rept-stat-user notice that the command rept-stat-applsock causes the "IDLE" text to be misaligned.
114450		3	Resolved	No-Fix	HC and E5 cards need immediate activation on initial thermal event	The current PR was entered after a code inspection indicated current operation may be suspect. However the system appears to operate as intended given that temperature changes are very gradual. and there are no known adverse consequences.
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.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
114740		3	Resolved	Defer	Module iplim_m2pa_s Line 1163 and Line 2504 Class 0001 reported during upgrade phase 3	iplim_m2a_s ATHs may occur during link transitions on M2PA links. These ATHs should be very intermittent and are benign.
114886		3	Resolved	Defer	Reroute failures on ITU IPGW links	With multiple link IPGW linksets, there is the potential to discard traffic when there are no active M3UA/SUA connections to the M3UA/SUA Application Server on a subset of the IPGW cards in the linkset even though the SS7 links on these cards are still IS-NR. A high number of IPGW cards in the linkset (max is 8) with a low number cards which have no active connections is the worst case scenario. Also, ITU and 5-bit ANSI traffic has higher loss potential since a smaller SLS range in the traffic presented reduces loadsharing equality. The discards occur on the cards which have no active M3UA/SUA connections when attempting to double-hop the traffic to other cards which do.
114900		3	Resolved	Defer	Peg for NETSTAT -p SCTP command -# of order chunk received and # of unordered chunk receive is wrong	Netstat pass command pegs will include duplicates packet in the the received data chunk count even though the pass command text description indicates it is not included. This command information is generally only used for debug purposes.
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.
114974		3	Resolved	Defer	UIM1185: GTI Status Register output shifted one column right of other output.	No system impact. One line of output is shifted one column to the left of other output.
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.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
115025		3	Resolved	Defer	AricentPV: EAGLE 36.0.0-57.17.0: RTRV-LS CSV file displays incorrect entries for ANSI Point Codes.	CSV (from FTFA) output does not match Eagle rtrv. Columns misaligned with data.
115038		3	Resolved	Defer	undefined msg: E4365	Undocumented error (command Reject message) will cause customer confusion as to correction.
115062		3	Resolved	Defer	Klocwork tool detected potential pointer and array problems in EOAM	none, or minimal. The critical problems found by klocwork were all fixed in another PR.
115101		3	Resolved	Defer	Update Telecordia references	Manual references to Telecordia documents show down-level versions. No customer impact.
115112	Y	3	Resolved	Defer	tst-imt command produces inconsistent results	tst-imt command provided no useful results to help resolve an IMT issue.
115119		3	Resolved	Defer	MB Upgrade backout issue with SCCP card and SS7	During the upgrade backout the VSCCP\SCCP will not properly report the correct mother board id. There is no system impact. The information will be properly reported once the cards are running the source release version of the BPDCM and VSCCP gpls.
115253		3	Resolved	Defer	t4b_bm.c Line 365 on 25% HCMIM LSL post an init-sys	While a HCMIM card is booting up (after a init-sys), it may boot again. It doesn't have any impact since the card is yet to come up.
115282		3	Resolved	Defer	Changes to Eagle 35 Maintenance Manual (910-3492-001 Rev B, Aug. 2006) DSM Card Removal/Replacement Procedure	Currently steps 4 and 8 are related to the OAP and the Eagle does not use the OAP for the VSCCP application, so these steps need to be removed.
115341		3	Resolved	No-Fix	CPU Utilization counters are not reported correctly using send-msg command.	the send-msg interface should only be used with nonVxWorks based GPLs.
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).
115559		3	Resolved	Defer	When backing out from 35.6 to 34.x ath_hw.c Line 266 ATH Sev 1 troubles occur	During a backout situation the SLAN and VXWSLAN cards will report a phantom issue with the daughterboards during Mother Board processing. However the MB still seems to be processed fine.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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.
115855	Y	3	ReadyToTest	Active	UAM 477 - Copy Function Deactivated reported for an SLK that isn't in congestion	Jan. 23, 2007 - The customer is presented with UAM 0477 - Congestion: Copy Function De-activated even though the SLK does not have traffic on the link and is not in congestion.
116011	Y	3	ReadyToTest	Active	REPT-STAT-CARD under REL 35 has changed APPL to GPL	Jan. 26, 2007 - Customer will not know of the changes until after they upgrade to REL 35. Documentation was not updated and the output could possible not work with customer scripts if they are keying off of APPL.
116151		3	Resolved	Defer	tst-imt causes HIPR to indicate a shelf address error	The MOPs which instruct customers how to replace HMUX and HIPR cards indicate the IMT bus should be inhibited when the new mux card is installed. The MOPs also indicate a tst-imt command should be run prior to allowing the IMT bus. If the tst-imt command is run prior to the shelf LED turning GREEN (about 68 seconds), then the shelf with the new mux card may experience this problem. The customer would have to reseal the mux card and wait for the LED to turn GREEN to resolve the issue. Since the other IMT bus is fully operational through all this, and personnel must be on-site to replace the mux card, this is a minor PR.
116268		3	Resolved	Defer	xlist route prohibit causes exception routes to report route prohibits	If a X-list route goes prohibit then it may cause Exception routes to go prohibited. This was seen when exception routes were built under a cluster route, the Eagle sent a TFP message for a point code in the cluster.
116310		3	Resolved	No-Fix	Aricent PV_E5SLAN: EDSM card comes IS-NR for SLAN Application	None. An EDSM card can provide the same functionality as an SSEDCEM card.
116329		3	Resolved	Defer	CAUTIONs not shown correctly in chg-db:action parameter	Could cause possible database problems if customer does not heed cautions.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
116499		3	Resolved	Defer	EIR is not counted as an MPS-required feature when enabling other MPS-required features	When other MPS-requiring features (G-Port, etc.) are enabled with EIR, the DSMs go DB-DIFF, when they do not need to. This requires the cards to be restarted, even though the EPAP connection is already present
116599		3	Resolved	Defer	Change to PHY settings for ethernet connection	Test data has revealed that a change in the setting of one of the phy configuration registers (config register 1) may reduce the number of ethernet link field failure and thus reduce the number of field returns that are link related and determine to be NDF by MFG ops.
116617		3	Resolved	Defer	SIO is not reported in a consistent manner across UIMs (hex vs decimal).	No system impact, just a small fix to update the display of the SIO field from decimal to hex in a UIM.
116685		3	Resolved	Defer	Card state transitions to IS-ANR restricted at Thermal Alarm T1.	No system impact. The card state would just reflect an Inservice abnormal condition while at T1. No loss of functionality will occur until T2.
116696		3	Resolved	No-Fix	SUA to SCCP conversion - L2 sends SIF > 272 bytes to L3 and L3 outputs UIM	There is no customer impact for this PR. We've determined that since large MSU's are caught in L3, a discard measurement is pegged and a UIM is output, that we'll mark this as no-fix.
116699		3	Resolved	Defer	Card to Card UA associations are seeing UIM 1333 - IPGW TX MSG DISCARDED for SNM messages	IPG should not submit SNMs to the L2 routing key algorithm for transmit unless there are TALI sockets in use. SIGTRAN associations cannot transmit raw SNMs, instead they must be converted to UA SSNMs, and this is done in the MTPP subsystem, not in the normal transmit path. Customers will only see the UIM for card to card associations.
116718		3	Resolved	Defer	The LocReq Response message received from Eagle contains the MSCMKTID bytes flipped	The MSCMKTID in IS41OPTS 2 byte parameter is configured on Eagle and when it is used in a TCAP message, its bytes are flipped.
116771		3	Resolved	Defer	ARICENTPV_REL37.0: Lvl1 Severities MPRM_SR.CPP and TC_RCPY.C are observed on EAGLE	No loss of data occurs. The Sev 1 errors reported in the test scenario are only raised when hourly maintenance reports are getting printed on the console and Measurement Tables are about to be FTP'd. Moreover, they are not raised on every such scenario.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
116786		3	Resolved	Defer	IPLIM and IPGW on E5-ENET needs more memory allocated for SCTP buffering	On E5-ENET IPLIM or IPGW with many connections routing MSUs that average 20-30 octets, SCTP connections may not use their full configured SCTP buffer space. This has the remote possibility of causing connection congestion and or connection loss under severely impaired network conditions. The larger the average MSU size being routed over the connection, the less likely this is to occur. Since SCCP MSUs on average are larger (60 - 120 octets) there is not a high probability of seeing this problem in the field.
116865		3	ReadyToTest	Active	Power numbers listed for E5-E1T1 are not correct	
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.
117260		3	Resolved	Defer	Action is not valid when FORBID=NONE in (E)GMS feature(s)	When Forbid=NONE, protocol doesn't care about the action data. The MSU will just be routed. Since Action param takes a default value as DISCARD, it may mislead the user when FORBID=NONE in RTRV-GSM MAP-SCRN response.
117356		3	Resolved	Defer	Telcordia - 35.0 audit - NCR: RSPs Concerning Prohibited PCs within nested clusters not sent immediately when TCR received	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.
117553		3	Resolved	Defer	rept-stat-iptps:lsn=ls00xyz reports data for inhibited cards	If an IPGW card is inhibited, the card will continue to report "TPS" counts in the "rept-stat-iptps:lsn=ls000xyz" command if the user specifies a linkset. If the Linkset is not specified, the report is accurate.
117706		3	Resolved	Defer	SCP_TPS Sev 1 trouble when issuing a REPT-STAT-IPTPS when not linksets are provisioned.	No customer impact as it only occurs when there are no linksets provisioned in the Eagle.
117782		3	Resolved	Defer	Auto inhibition code is broken	No impact. Several other cards in the system work this way. If the wrong card is inserted in a slot provisioned for another card type, they typically boot.
117864		3	Resolved	Defer	RTRV-SECULOG displays an invalid month.	Minimal impact. The security log can be retrieved using methods other than time/date.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
117923		3	Resolved	Defer	E5-STC: Unexpected STC Network Unavailable post Physical Link Restore	On an E5-STC with one Active Port A0 and one Inactive Port, say B0. If inactive port, B0 is restored then - STC Network for active port A0 becomes unavailable and available. Alarm "STC Network Unavailable" and "STC Network available" for the active port will be seen. - In high traffic scenario, when 80% Max TVG capacity of the active card is being used, when the STC network gets unavailable for some time for both ports of an EROUTE card (as mentioned above), the LIM sending traffic through the corresponding STC could be denied EROUTE service for that interval of time, which is the reason for UAM 482.
118011		3	Resolved	Defer	Code loading multiple card types of the same loading priority when one card type has problems can block cards from loading	This should not happen in the field, the E5 cards didn't load due because the cards did not have the correct flash gpls. If the cards are properly loaded with the latest flash gpls the problem did not occur.
118016		3	Resolved	Defer	Array for m_num_chars_per_format[] has not been maintained	In cases of very heavy output, the UIM output may loose characters due to improper pacing.
118089		3	Resolved	Defer	15 minute measurement feature key affects eoam measurements	Unexpected impact on OAM measurements as a result of 15-Minute meas feature. FTP measurement reports from MCP are correct.
118143	Y	3	Resolved	Defer	DB issues. Unable to align SLK and Sev 1 Troubles are received.	The linkset/slks were not able to align when the linkset was receiving these troubles. Once the original linkset was removed and reprovisioned the troubles ceased and the links aligned.
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.
118274		3	Resolved	Defer	Netstat -i does not work in vxworks 5.5	There is no system impact.
118317		3	Pending_ Investigation	Active	IPSM card needs a connection monitor	

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (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	Sine the rtrv-data-rtdb command requires at least one of several optional parameters, more information is needed.
118734		3	Resolved	Defer	ERROR CODE=No Error Received - presented by Eagle for unknown M3UA error	If an M3UA/SUA application server sends Eagle an Error message with an error code that is not documented in the M3UA/SUA RFCs, Eagle will display "No error received" in the error code portion of the "IPGW received error msg" UIM instead of the value of the unsupported error code.
118792	Y	3	Pending_Investigation	Active	IPGW/M3UA. Added two new alias point codes for HLR. Route status remains at Prohibit	In order to get newly added point-codes to an allowed status, the IPGW cards had to be inited (basically taking down all connections on that card).
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.
118913		3	Resolved	No-Fix	M2PA associations replacing TALI sockets will not align on 1st OPEN=YES command.	There is a work around for this PR and since TALI is not supported on IPG builds and will be obsolete in release 38, we decided to mark this a a no-fix. There are 2 ways to fix this. 1) Cleaner way - Close and reopen the M2PA associations 2) boot the cards.
119129		3	Resolved	Defer	Measurement Statistic ENETCOLERR always reports zero	If driver stats are not pegged properly, then user would not able to view excessive collision error [ENETCOLERR]. The user could keep a track of collisions by using ENETBUSBSY.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
119132		3	Resolved	Defer	UA LOG is not outputting RC correctly for Act Acks/Inact Acks when rec Act has no RC	If an ASP Active / ASP Inactive message is received without RC, UALOG shows (RC=NONE) which is correct, but UALOG reports RC wrong in the ASP Active Ack/ASP Inactive Acks when RC is configured for the association. It shows that RC=NONE when it should be displaying the configured RC for the association.
119167	Y	3	Resolved	Defer	HS Clock installation, wiring information, and pinouts is very poorly documented in Eagle customer documentation.	This cable assembly is very poorly documented in Eagle customer documentation. I cannot find any document that shows a wiring diagram of the cable, the functionality of the pins, and where this cable actually connects to the Eagle STP (as well as to the customers equipment).
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.
119295		3	Resolved	Defer	Latent potential problem in IPSM IPBQ semaphore handling	No customer impact this is an internal development issue
119311	Y	3	ReadyToTest	Active	910-3221-001 Revision B - RTRV-CTRL-FEAT P/N 893005910 should be 893005901	The part number listed in the output is wrong and is misleading.
119315		3	Resolved	Defer	Add Step to UAMs 0452 and 0453 - REPT-STAT-DB:DISPLAY=ALL:DB=MPS	Documentation should inform the customer that if the DSMs are not taking the updates and they stopped at the same level, look at the respective EXAP application attached to the Eagle. They also need to see if there are any issues on the EXAP application.
119339		3	ReadyToTest	Active	Default Value Missing for Optional Parameters in the CHG-IP-LNK Command	
119342		3	ReadyToTest	Active	Changes to UAM 0442 and 0446 - RTDB database capacity is 95% or 80% full	
119349		3	ReadyToTest	Active	1169 - SCCP rcvd inv TCAP portion - corrective action for alarm is incomplete	
119359		3	Resolved	Defer	ATH reported - Eagle Rel 35.0.0-56.23.13	No known customer impact.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	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.
119426		3	Resolved	Defer	E5-SM4G Cards Will Not Cold Start	Cold start works for all SCCP cards when command is "init-card:appl=SCCP". The command with "appl=VSCCP" will only warm restart the SM4G cards.
119494		3	Pending_Investigation	Active	Hitting F7 on a telnet terminal with high broadcast traffic causes IPSM to boot	
119513		3	Resolved	Defer	SUA DUAD - Telcordia - UIM 1333 has an error output message	Typo in UIM report only. No customer impact.
119517		3	Resolved	Defer	IPLIM M2PA incorrectly updates SLK ACK sent timestamp for LS msgs that are not ACKs	It has been observed that IPLIM M2PA is incorrectly updating the SLK ACK sent timestamp for the transmission of link status messages that cannot serve as ACKs. This timestamp should only be updated for transmitted messages that can serve as ACKs. The very minor operational result is that IPLIM may not ACK as often as it should if outbound traffic has a low rate and it is sending some kind of link status, such as busy/busy-ended. It is unlikely that this defect will impair SLK operation in any noticeable way.
119533		3	Resolved	Defer	Thermal Alarms do not work properly on E5-SLAN	In cases when the temperature of the CPU is very near the thermal level 2 and the card may begin shedding load, the thermal level 2 alarm may incorrectly show up and being turned off. In other words, the thermal level 1 alarm may show again. Once the temperate clearly exceed the thermal level 2 threshold, alarms work as intended and expected.
119563		3	Resolved	Defer	rept-stat-card:appl=scphc does not display E5-SM4G cards rept-stat-card:appl=vsccp does show scphc cards	Minimal system impact. The correct appl value to use is sccp not scphc. scphc is a GPL not an application. The command should be rejected if scphc is used.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (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)	
119585	Y	3	Submitted	More Information	Customer is reporting routing restriction problems	The Route Prohibited symptom is experienced on the primary STP (Chandler AZ) and not the mate STP (Oklahoma). A route restricted alarm (DPC Route Prohibited) is reported every 11.5 min. in the C-link only.
119593		3	Resolved	Defer	TVG capacity prematurely exhausted -- all card types.	Large burst of TVG requests may instantaneously exhaust available TVG capacity and LIM cards may get TVG denial messages. The problem is self-healing and usually the excess TVG capacity designed into the system masks the issue.
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.
119690		3	Resolved	Defer	Module seq_utl.c Line 926 Class 01c3 Severity 1 on SSEDCEM running IPGWI	The ATH means that the ethernet link failed a proper connection. Should this occur frequently the card may need to be replaced.
119700	Y	3	Resolved	Defer	Receiving UPLP_MGR.C Severity 1 alarms on rel. 35.1.1	The customer impact is a preponderance of Sev 1 troubles. These appear to only be occurring on the RSP-MNT and RSP-UIM commands on EOAP-B. The troubles are there to report problems with the input from the EOAP.
119787	Y	3	Pending_Investigation	Active	HC procedure contains an obsolete command for systems running R35 release	Problem has been reported by customer Orange Romania and can cause possible confusion when running the health check.
119802		3	Resolved	Defer	E5-STC: ath_vxw.c Line 2479 AND apli_sanity. Line 352 during upgrade 58.16 to 58.17	E5-ENET cards may double-boot during an upgrade. The card recovers normally.
120153	Y	3	Pending_Investigation	Active	question is about full compatibility and portability of SSEDCEM/SSEDCEM-A cards	Customer is confused due to of the mismatched information in Eagle Documentation Rel 36.0

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
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".
120180	Y	3	Resolved	No-Fix	Executed RTRV-HOMERN After 36.0.1 Upgrade and Received E4005 Cmd Rej: Either INP or GPORT feature must be ON	Pre-release 36, the user would use RTRV-HOMERN to see their HOMERN data, but after upgrading to 36 the user received the following, "E4005 Cmd Rej: Either INP or GPORT feature must be ON." This would lead the user into thinking their HOMERN table is missing or is not longer being used after the upgrade. PR is no longer required.
120201		3	Resolved	Defer	ent-dlk command should require subnet mask	When entering the ent-dlk command there should be a parameter to enter a subnet mask. It currently uses a default subnet based on IP class . Therefore 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.
120349		3	Resolved	Defer	PPSMS: Wrong alarm "*C 9663.0529 *C GPORT SERVICE Service disabled" observed at Eagle when PPSMS is ON but GPORT is not ON	The ATH raised by this PR can be ignored. There is no dependency for the PPSMS feature to require GPORT. The PPSMS feature does not require the prior activation of the GPORT feature.
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 systat -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-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
120363		3	Resolved	Defer	Table-copy initialization failure on IPSM causes FTRA FTP transfer failure	Approx. 30 seconds after card loads (in IS-NR), user must issue command ACT-FTP-TRNS:action=put:filetype=mtp (preferably from a serial terminal). Command may fail the 1st time. But this will preload DMS.CFG table into the IPS card. Then FTRA will be successful when it performs its FTP transfer. Otherwise FTRA may fail on its 1st table retrieve attempt.
120397		3	Resolved	Defer	Minor changes required in the Health Check document (909-4022-01 Rev D)	There may be minor confusion when executing two commands in the HC doc. The commands fails with MTT errors that can be used to eliminate the problem.
120447		3	ReadyToTest	Active	Eagle Upgrade procedure 909-0118-01 needs to explicitly require EMS connection turn off for IPSM	
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>]
120479		3	Pending_Investigation	Active	act-upgrade fails during Recovery C due to MCP card	
120480		3	Pending_Review	Monitor	act-upgrade fails due to unable to FLASH unprovisioned E5-ENET card during Recovery C	
120489	Y	3	Resolved	Defer	Older versions of assemblies no longer referenced in documentation	May cause customer to believe cards must be replaced because they are no longer supported when they are in fact still supported.
120558		3	Resolved	Defer	Error in list dir command in FTP UPGRADE	The "ftpxfer -z -m" command gives error "FTP UPGRADE, Error on list dir cmd (450)" while listing the directory contents in the linux FTP Server.
120596		3	Resolved	Defer	Changes to UAM 0084 - IP Connection Unavailable in Customer Documentation	The troubleshooting listed needs to be beefed up to help customers troubleshoot this UAM further.
120612		3	Resolved	Defer	"AS Unrestricted" After init-card:loc=<active oam>	Technically this is cosmetic, but it gives the appearance that the AS had been restricted, even though there were no problems.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
120662	Y	3	Resolved	Defer	Eagle release 31 produces LSSU SIO with length indicator=1. Release34&35 produces LSSU SIO with length indicator=2	Data analyzer test boxes (ex. INET) fail various level-2 because of mixed LSSU sizes.
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.
120669	Y	3	Submitted	More Information	Flash HCMIM w/Flash-Card:IMTC_MGR.C Line 5031 Class 01c3 & Line 5064 Class 01d0	<p>The HC-MIMs being used have been changed out. TAC could not reproduce the issue in the lab, and Engineering gave following suggestion:</p> <p>do one GPL at a time:</p> <pre>init-flash:loc=<loc>;gpl=pldpmc1:code=appr:boot=no init-flash:loc=<loc>;gpl=blvxw:code=appr:boot=no init-flash:loc=<loc>;gpl=imtpci:code=appr:boot=yes</pre> <p>Then activate the three GPL. If the other GPLs still need to be flashed, flash them with init-flash one at a time.</p> <p>Apparently the problem is due to a couple of PRs playing together and the procedure above will likely resolve the situation -- and install GPLs that no longer cause the problem.</p> <p>PR 110762 is probably the main culprit.</p> <p>Results:</p> <pre>stp2 07-04-04 11:21:06 CCT EAGLE5 35.1.0-56.39.0</pre> <p>-----</p> <pre>STH: Received a BOOT Appl-obituary reply for restart Card 1205 Module ath_vxw.c Line 2415 Class 0001 Register Dump : EFL=00000000 CS =0000 EIP=00000000 SS =0000 EAX=00000000</pre>
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.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
120776	Y	3	Resolved	Defer	Possible MOBR issue. After init VSCCP card, HLR PC OOS. Toggle MAP table SSO field to correct.	Customer had to manually recover the prohibited HLR point code after VSCCP cards were initialized. Toggling the SSO field of the MAP table OFF and then ON resolved the problem.
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	IMF customer may see some of the events associated with ISUP call sequence received out of order.
120919	Y	3	Resolved	Defer	Module dbm_da.h Line 1155 Class 01c3 Seen On EDCM	There is a problem with having scheduled COMP-LINK OAM measurements when running the Measurements Platform. An interaction can sometimes occur, less than 4% of the time, between 5-minute collection and the comp-link report. The MCP FTP'd reports are correct but the OAM reports terminate abnormally as well as causing the Module dbm_da.h Line 1155 Class 01c3.
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
121008		3	Resolved	Defer	skew ISR interrupts are not pegging on HCMIM	Timestamp Invalid due to skew clock errors are not produced by HCMIM and/or E5-E1T1 cards.
121024		3	Resolved	Defer	"msucount -r" does not reset the max average counts for the "msucount -b" report	The "msucount -r" command is working as per design intent and user should use "msucount -b -r" to reset the max avg msu size in msucount -b report. The "msucount -b -r" command is not resetting the max avg msu size which really does not impact msucount -b report since it displays updated max avg size even without it being reset.
121094	Y	3	Pending_ Investigation	Active	Errors in cilli code seen in half-hourly meas reports for comp-link and systot	Miscellaneous ASCII errors in cilli code and various measurements fields are causing data collection issues for the half-hourly FTP measurements reports for comp-link and systot. These errors can be corrected by booting the MCPM card. This has been noticed on several sites.
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.
121115	Y	3	Pending_ Investigation	Active	Routes Toggling Between UAM 0316 Route is prohibited & UAM 0314 - Route is allowed, But Traffic is Routing Fine	Tues. May 29, 2007 - 1357 hrs EDT - Customer is getting UAM 0316 Route is prohibited continuously, but no routes are truly prohibited. Usually an upgrade (a controlled INIT-SYS) fixes issues like this, but in the case it did not.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
121163		3	Resolved	Defer	REPT-STAT-SCCP:MODE=PERF Incorrectly Reports Peak SSCP Traffic and Total MSU/S when DSM Cards are Added to Eagle	11 of 22 E5-SM4G cards were replaced with DSM cards. While the DSM cards were loading, rept-stat-sccp:mode=perf commands were issued to check loading status of the cards. It was noted that the peak SSCP traffic was over 60K+ MSU/S, even though the traffic being sent to the switch was around 34K MSU/S. Once all of the DSM cards loaded, the report appears to be correct.
121220		3	Resolved	Defer	During Upgrade all E5ENETs must "Retry" at the "Allowing card" step	E5-ENET cards are taking longer then the 1-minute wait time that the upgrade code allows. On retry, the card is back and loading so code continues with upgrade.
121294		3	Resolved	Defer	E5-ENET card remains isolated if wrong adapter for cable is connected	The E5-ENET card boots continuously until the correct cable adapter is installed. This situation has always been the case with the ENET cards since the SW has no way to detect a bad cable configuration.
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.
121742	Y	3	Resolved	Defer	RTRV-CTRL-FEAT is showing both old and current IPGW TPS FAKs	After the customer added an M2PA C-link to their system and the IPGW 200 TPS FAK reappeared. Customer is provided with non-current data when using the rtrv-ctrl-feat command.
121754		3	Resolved	Defer	Telcordia - multiplicity indicator (SMI) not set correctly in SSA response to SST message	SMI field in Eagle-generated SSA will contain the value from the SST, rather than the value from the MAP table which could mislead the far end.
121757		3	Resolved	Defer	BICC: SLAN copies MSUs larger than 272 bytes	Eagle will send over SLAN BICC MSUs up to 450 bytes long - this may have an impact on the customer application on the other side of the SLAN connection.
121864	Y	3	Pending_Investigation	Active	Measurements stopped reporting from IPSM term after upgrade	IPSM card drops measurement collections after incremental upgrade from 35.1.0 to 35.1.2 or 35.1.3

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
121926		3	Resolved	No-Fix	E5-ENET off the IMT... Cannot read CF card	There is no customer impact since the problem was traced to a specific component/manufacturer who has since been disqualified from use.
121931		3	Resolved	Defer	Eagle measurement reports incorrect OCTTRAN	Link measurements register OCTTRAN and MSUOCTRN will have erroneous counts for M2PA and IPGW links.
121942	Y	3	Pending_Inv estigation	Active	3 loopback points, act-lbp fails, "LFS HARDWARE FAILED". Passes manually for each LBP.	06/15/2007, 11:41 AM EDT: STP is on Eagle release 35.1.1-56.39.32. Customer has defined three loopback points on a two-port LIM card signaling link. The act-lbp command fails with failure reason "TEST STATUS = ERROR, LFS hardware failed". The test appears to fail between the second and third loopback point. However, if the act-lbp command is issued with each loopback point specified in the command line, the test passes (e.g. lbp=1, lbp=2, lbp=3). Customer reports that this is happening on multiple signaling links, but not all. Customer also reports that one of the circuits was patched over to their lab, that is on Eagle release 29.0.6. The command passes each and every time on this software release.
121956	Y	3	Resolved	Defer	MSULOST3 Measurements Showing An Extremely High Count	Although the customer can find the definition of MSULOST3 in the documentation (MSUs Discarded - LS On Hold Buffer Overflow - Number of MSUs discarded because the linkset-on-hold buffer was in overflow), the customer cannot find what the "Linkset On Hold Buffer" actually is. Without a good explanation of MSULOST3, it is not possible to troubleshoot the cause of the discards.
121961		3	Resolved	Defer	E5-ENET obits with ath_vxw_mgr when msutrace config command is entered with incorrect parameters	The msutrace command is used by developer for debugging purpose. Hence no impact for the customers.
122007		3	Pending_Inv estigation	Active	FTRA 4.1: Incorrect Order of Header displayed in RTRV-MAP CSV	
122015	Y	3	Pending_Inv estigation	Active	T10031: Customer states only SCTP and ICMP Ports on IPSM Card Should not be Blocked	There are un-necessary ports opened and the customer has directly requested these ports to be closed off.
122019	Y	3	Pending_Inv estigation	Active	T10063: Terminal 28 not available but nobody is using it	The customer would like this error to be investigated and an explanation issued for this behavior and if there is a fault for this to be corrected.

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
122020	Y	3	Pending_ Investigation	Active	IPSM telnet session remains open after the user is finished.	User is unable to access any IDLE telnet terminal ports via the IPSM card without first executing an inhibit and then allow command for the terminal port in need of access from another telnet terminal port.
122031	Y	3	Pending_ Investigation	Active	Change IPSM terminal to type EMSALM. Does not output logs until inhibit/allow card.	Customer has to inhibit the entire IPSM card – which drops all current connections to this card - in order to get functionality for the EMSALM terminal.
122047		3	Resolved	Defer	No UIM for BICC MSU discard for Conversion too Large (Chained Buffer Not Supported on lowspeed)	<p>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:</p> <pre> 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 a9 P....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. </pre>
122231	Y	3	Resolved	Defer	T10071: Problem with IPSM card and Pass-Through PING command	Ping to bogus address will hang ping for that card until card reset. Would hamper further diagnostics
122232	Y	3	Resolved	Defer	DDB Checksum not updated on LIM card after removing all links	Customer's system will show incorrect DPC/Route status if the EAGLE does not automatically remove the card from the Checksum "table". Customer is forced to reboot the card to accomplish this.
122273	Y	3	Pending_ Investigation	Active	Since R35.1 impossible to do dlt-map if SSN=0	The customer is getting stuck to delete the map entry with pcn=1075
122379	Y	3	Pending_ Investigation	Active	Recovery Procedures in Eagle Upgrade Procedure are too long and vague	The customer is impacted by having their STP in an abnormal state for a prolong period of time and increasing the risk of a lengthy outage. If the Recovery's length and process were clearly identified in the procedures, then more accurate decisions by the customer will be made regrading to let Tekelec continue troubleshooting on the new release (TARGET) or rollback to the original release (SOURCE).
122417	Y	3	Pending_ Investigation	Active	T20023: No metrica-data available	TMO priority changed to 2 ! MAJOR

Table RN-13. EAGLE 5 ISS 37.0 Known PRs (06/13/08) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
122420	Y	3	Pending_Investigation	Active	User timeout/logout from IP term during long rtrv/rept-stat command	During long rtrv- or rept-stat- commands, we are seeing the user get logged out on IP terminals. I don't think this is correct or appropriate behavior as there is a process running and the terminal/user is not idle.
122469		3	Pending_Investigation	Active	EAGLE 5 ISS 37.0 Documentation Set 936-0148-501 Rev B contains ELAP Administration Manual with Outdated Error Messages	
122504	Y	3	Pending_Investigation	Active	EAGLE has marked DPC as Prohibited but is not sending RSPs to the adjacent node	July 8, 2007 - Per Engineering, it appears the EAGLE is not sending RSPs after a DPC was marked PROHIBITED. This can cause the customer to not know the true state of the network nodes.
122528		3	Pending_Investigation	Active	SSH Key exchange failure when host keys change on the Eagle	
122536	Y	3	Resolved	Defer	SLTM failure: Newly provisioned links fail to provide SLTM messages	This is a protocol violation, no impact to the customer.
122573	Y	3	Resolved	Defer	UAM 0112 - Major failures detected on both IMTs & LIMs Booted w/ Module PMTC_MGR.C Line 407 Class 0240.	When the init-mux command is issued multiple cards can get off the bus (or believe they are off the bus) and the application boot them.
122656	Y	3	Pending_Investigation	Active	Newly Provisioned ATM link's Provisioning Data is Not Being Seen by ESPs	The customer is unable to copy MSUs to the ESP for this link, thus the customer is losing billing.

Table RN-14. EPAP 9.0 Known PRs (09/10/07)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
50312		3	Resolved	Defer	Decode of ExAP Application Bit Encoded Alarms Strings Mismatch ExAP Application Banner Alarms	The text of the alarms on the ExAP Alarm Banner sometimes does not match the text of the alarms that the decoder displays.
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.
104986		3	Resolved	Defer	verifyMM should remain down on both sides while upgrade is occurring	MySQL replication problem after upgrade. A script available in the EPAP config directory corrects the problem with one additional step.
109429		3	Resolved	Defer	provRMTTP core dumps if RTDB being shut down while logs wrap	There is no impact because the process gets automatically restarted, but it does generate a core file and a subsequent alarm is presented to indicate that there was a core dump which will alert the customer and prompt them to call customer service.
112191		3	Resolved	Defer	EPAP- 96 million conversion script does not take in to account larger drives	Only impacts conversion. Error will be reported for check of resized free directory on systems with larger than standard hard disks.
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.
114542		3	Resolved	Defer	Duplicate RTDB connections to PDB after lab network power failure	PDBA software on both the Active & Standby PDBAs must be restarted to avoid provisioning slowing down and false PDBA mate unreachable alarms.
120364	Y	3	Resolved	Defer	DSM's did not update when active RTDB was switched - Fatal application error	Newly provisioned numbers are not recieved by the DSM RTDBs.

Table RN-14. EPAP 9.0 Known PRs (09/10/07) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
120728		3	Resolved	Defer	Restore PDB displays 'completed successful' when the free directory doesn't have enough space.	Customer will not be provided with error identifying failure of database restore.
120897		3	Resolved	Defer	savelogs falsely says "ERROR: Failed to send banner info message" at the end of the script	Customer gets false alarm.
121137		3	Resolved	Defer	EAUTOEXP: PID for auto export is displayed as a different value in GUI and as a different value in pdbi_export directory	Customer may be confused.
121288		3	Resolved	Defer	DSM and SM4G cards OBIT in module pvdvmsg.c Line 2620 while running Eagle boot script.	Customer must switch activity between EPAPs to clear condition.
121787		3	Resolved	Defer	Text for "Attempt to restart MySQL Replication failed" alarm not correctly displayed	No operational impact. Simple misspelling of word in banner message.
122168		3	Resolved	Defer	96MGflex_install_script incorrectly reports failures	Requires script to be rerun if first attempt fails.
122424	Y	3	Pending_Investigation	Active	EPAP: Backup File System Option doesn't appear in EPAP GUI Rel 8.0	References to this obsolete function within the EPAP administration manual should be removed.



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NetBoss™
System Release Notes
EAGLE Harris Smart Agent 6.8.1
For Tekelec EAGLE® 5 ISS Release 37.0

CHANGE HISTORY

Date	Revision #	Author	Revision Description
17FEB2006	1	Tony Knight	HSA 6.5 Release
22AUG2006	2	Tony Knight	HSA 6.6 Release
2FEB2007	3	Tony Knight	HSA 6.7 Release
14FEB2007	4	Tony Knight	HSA 6.7.1 Release
09APR2007	5	Tony Knight	HSA 6.7.2 Release
26APR2007	6	Tony Knight	HSA 6.8 Release
21JUN2007	7	Tony Knight	HSA 6.8.1 Release

1. PURPOSE

This document contains the System Release Notes for the NetBoss Eagle Harris Smart Agent 6.8.1. This document describes changes made to create the current Tekelec Eagle Harris Smart Agent release.

2. RELEASE NOTES

Each note is prefixed with the version number and suffixed with the ticket number of the released change. Ticket references are HSA Bug/Enhancement ticket numbers.

2.1 Recent Changes to Fault Management

(From version 5.8 to version 5.8.1)

- 5.8.1 – Depending on the SSH version, known_hosts error message is not be interpreted correctly. (Ticket 880)
- 5.8.1 – Script should pause 10 seconds when there is trouble connecting. (Tickets 881)
- 5.8.1 – Support for single quote as part of a password. (Tickets 883)

- 5.8 – Graphic Changes
 - SL Fonts are too large when not using "fill_window" fms parameter (Ticket 812)
 - For each card, changed the label fonts to scalable font "1 1" and changed font size to "0.4".
 - EDSM2G M1 uses new version of SL Draw (Ticket 811)
 - Cards saved in SL Draw 6.1d are not backwards compatible with SL version 6.0f. Saved each card in SL Draw version 6.0f for backward compatibility.
 - DCMX card is a dual-slot card currently being drawn as a single slot card (Ticket 852)
 - Changed DCMX to dual slot
 - Update BIP2M1 lookup table to match Eagle Release 37.0 (Ticket 848)
 - Additional E5-SM4G card to be added to graphics (Ticket 854)
 - Additional EILA-T card is to be drawn the same as EILA cards (Ticket 853)

- 5.7.2 – Timing between resync and autonomous alarms may cause new alarms to be cleared (Ticket 835)
 - The change will prevent alarms arriving during the resync poll from being cleared by the resync difference routine.
- 5.7.2 – Correction of the "resync failed" message before the completed resync. (Tickets 838)
 - This affects timing and either an informational message or alarm which can be misleading.
 - checkconnect routine is delayed when resync starts, preventing interference with synchronization.
- 5.7.2 – When rejected message returned from Eagle, agent can loop sending "canc-cmd". (Ticket 843)
 - CommandState -> sendcommand modified to prevent canc-cmd from looping

- 5.7.1 – Terminal Server successful response not working in CMI "Send Command". (Ticket 815)
- 5.7.1 – Automatic password change putting incorrect password in Common File. (Tickets 827)
- 5.7.1 – CMI ports should only be available when they are "loggedout" state. (Ticket 829)
 - When COMMAND SGA port is disconnected from NetBoss, it should not be available for login through CMI.

- 5.7 – Resync ancillary data lines appended to text message. (Ticket 532)
 - Inside "resyncparse" state, if REPT-STAT-TRBL response is greater than 1 line for a single alarm the extra data is appended to the alarm text message.
- 5.7 – Documentation on the Password Management subsystem (Tickets 560)
 - Inside 5.7 User Document
- 5.7 – Include Timestamp for all UAM/UIM alarms when sending alarm to NorthBound SNMP. (Ticket 723)
 - Included as optional parameter "APPEND_EAGLE_TIMESTAMP"
- 5.7 – Make sure agent automatically creates \$ANMDIR/local/STP/results directory (Ticket 768)
 - Created on script startup
- 5.7 – Include all RoHS cards from latest Tekelec Release in graphics (Ticket 791)
 - BIP2M1.lkp updated
- 5.7 – Two semicolons very close to each other stopped the alarm parsing (Ticket 792)
 - "checkformessage" state looks for "\0a\;" instead of only ";"
- 5.7 – Round Robin redundancy latency & functionality (Ticket 793)
 - Timing of connection change improved substantially by modifying "connecting" state.
- 5.7 – Method to check connectivity using ping (Ticket 794)
 - Included as parameter "PING_TIMER"
- 5.7 – Support of CommandManager concurrency (Ticket 804)

- 5.6.1 – \$HOME environment variable not located on system init. Affects SSH key exchange.
Set to “/opt/home/netboss” (Tickets 747 & 753)
- 5.6.1 – \$DATABASE environment variable is not available in new versions of NetBoss when the system reboots
Set to “ORACLE” (Ticket 764)
- 5.6.1 – Script does not always exit from a telnet prompt when connected to a non-secure IPSM card. (Ticket 767)
- 5.6.1 – EDSM 2G was drawing as EDCM 2G. Four BIP entries modified and EDSM 2G card drawn.
(Tickets 769)
- 5.6.1 – iNumConnectStrings was being cleared, which could break round robin redundancy. (Ticket 770)

2.2 Recent Changes to Configuration Management Interface

(From version 1.6 to version 1.6.1)

- 1.6.1 – Drop down values containing "0" are set to default selected value. (Ticket 871)
These were inheriting a default from the command list instead of parameter list.
- 1.6.1 – Cannot send commands containing quote characters (Ticket 872)
- 1.6.1 – Alarm text message does not display inside function send_alarm (Ticket 876)
- 1.6.1 – Available ports corruption (Ticket 879)
Session ID was not created to be unique enough to support multiple scripts inside cron.
- 1.6 – Responses from eagle containing double quotation marks are not displayed in CMI. (Ticket 856)
Observed from testing command rtrv-seculog
- 1.6 – When sending a single command and netboss is logged out it takes ten minutes to get a response (Ticket 745)
- 1.6 – "Script exited early" seen when running command scripts (Ticket 857)
- 1.6 – Large command set support (Ticket 858)
Add ability to present all commands from a specific eagle release in CMI.
- 1.5.1 – Support simultaneous concurrent sessions to a single eagle from CMI (Ticket 807)
Command Files were not working when logging into multiple eagles in version 1.5.
The \$port_num variable changed to associative array to make it compatible with multiple eagles.
- 1.5.1 – apache log directory was not automatically created. (Ticket 817)
- 1.5.1 – "special" password characters not compatible with CMI (Ticket 823)
These characters would be generated with automatic password generator, most notably: \$, !, &, “
This change also allows commands with spaces and double quotes to the Eagle, for example: the Eagle "pass" command is now sent correctly.
- 1.5 – Support for 36.0 Commands (Ticket 806)
Command Schema and Help files
- 1.5 – Support simultaneous concurrent sessions to a single eagle from CMI (Ticket 807)
- 1.4.1 – Updated HTML help to support release 35.1 (Ticket 771 & 772)
- 1.4.1 – Resizable windows (Ticket 762)
- 1.4 – Previously known as CommandManager
- 1.4 – Updated command schema to support release 35.0 (Ticket 741)
- 1.4 – Updated command HTML help to support release 35.0 (Ticket 742)

2.3 Recent Changes to Performance Management

(No changes to version 1.3)

1.3 – New Measurement Platform agent support. (Ticket 17985)

1.2 – Further development on Measurement Platform support

1.2 – Alarm thresholds based on counters (Ticket 619)

1.2 – DB Schema sized more appropriately (Ticket 716)

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