Tekelec EAGLE® 5 Integrated Signaling System

Release 36.0

Release Notice

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TEKELEC

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

U.S. Patent Numbers:

5,008,929, 5,953,404, 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

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Introduction

This *Release Notice* was updated with the EAGLE 36.0.2 resolved and known PRs for Build 36.0.2-57.21.12.

The EAGLE 5 Integrated Signaling System (ISS) Release 36.0 *Release Notice* includes:

- Generic Program Loads for EAGLE 5 ISS 36.0, 36.0.1, and 36.0.2
- Version compatibility for Harris Smart Agent
- Resolved PRs for EAGLE 5 ISS 36.0, 36.0.1, and 36.0.2
- Resolved PRs for EPAP 8.0
- Known PRs for EAGLE 5 ISS 36.0
- Known PRs for EPAP 8.0

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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

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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 36.0.0-57.19.0 through 36.0.2-57.21.12

GPL SYSTEM NAME	VERSION Build 36.0.2-57.21.12	VERSION Build 36.0.1-57.21.1	VERSION Build 36.0.0-57.19.0
Date Available	04/16/07	02/09/07	12/22/06
ATMANSI	127.19.0	127.19.0	127.19.0
ATMITU	127.19.0	127.19.0	127.19.0
BLBEPM	127.2.0	127.2.0	127.2.0
BLBIOS	127.2.0	127.2.0	127.2.0
BLCPLD	127.2.0	127.2.0	127.2.0
BLDIAG	127.16.0	127.16.0	127.16.0
BLDIAG6	127.16.0	127.16.0	127.16.0
BLVXW	127.18.0	127.18.0	127.18.0
BLVXW6	127.18.0	127.18.0	127.18.0
BPDCM	127.3.0	127.3.0	127.3.0
BPHCAP	127.2.0	127.2.0	127.2.0
BPHCAPT	127.7.0	127.7.0	127.7.0
BPHMUX	127.4.0	127.4.0	127.4.0
BPMPL	127.16.0	127.16.0	127.16.0
BPMPLT	127.2.0	127.2.0	127.2.0
CCS7ITU	127.19.0	127.19.0	127.19.0
CDU	157.19.0	157.19.0	157.19.0
EBDABLM	127.19.0	127.19.0	127.19.0

Table RN-1. GPLs - Builds 36.0.0-57.19.0 through 36.0.2-57.21.12 (Continued)

GPL SYSTEM NAME	VERSION Build 36.0.2-57.21.12	VERSION Build 36.0.1-57.21.1	VERSION Build 36.0.0-57.19.0
Date Available	04/16/07	02/09/07	12/22/06
EBDADCM	127.19.0	127.19.0	127.19.0
EMDC	127.19.0	127.19.0	127.19.0
EOAM	127.20.0	127.20.0	127.19.0
EROUTE	127.19.0	127.19.0	127.19.0
GLS	127.19.0	127.19.0	127.19.0
HIPR	127.17.0	127.17.0	127.17.0
IMT	127.19.0	127.19.0	127.19.0
IMTPCI	127.17.0	127.17.0	127.17.0
IPGHC	127.21.0	127.21.0	127.19.0
IPGWI	127.20.0	127.20.0	127.19.0
IPLHC	127.21.0	127.21.0	127.19.0
IPLIM	127.20.0	127.20.0	127.19.0
IPLIMI	127.20.0	127.20.0	127.19.0
IPS	127.19.0	127.19.0	127.19.0
MCP	127.19.0	127.19.0	127.19.0
MPLG	157.19.0	157.19.0	157.19.0
PLDE1T1	127.2.0	127.2.0	127.2.0
PLDPMC1	127.11.0	127.11.0	127.11.0
SCCP	127.19.0	127.19.0	127.19.0
STPLAN	127.19.0	127.19.0	127.19.0
SS7ANSI	127.19.0	127.19.0	127.19.0
SS7EPM	127.19.0	127.19.0	127.19.0

Table RN-1. GPLs - Builds 36.0.0-57.19.0 through 36.0.2-57.21.12 (Continued)

GPL SYSTEM NAME	VERSION Build 36.0.2-57.21.12	VERSION Build 36.0.1-57.21.1	VERSION Build 36.0.0-57.19.0
Date Available	04/16/07	02/09/07	12/22/06
SS7GX25	127.19.0	127.19.0	127.19.0
SS7HC	127.20.0	127.20.0	127.19.0
SS7IPGW	127.20.0	127.20.0	127.19.0
SS7ML	127.19.0	127.19.0	127.19.0
VCDU	157.19.0	157.19.0	157.19.0
VSCCP	**127.21.12**	127.19.0	127.19.0
VXWSLAN	127.19.0	127.19.0	127.19.0

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 36.0.x

Table RN-2.   Harris Smart Agent Version Compatibility

Smart Agent Component	Release 6.7
Fault Management	5.7
Configuration Management Interface	1.5
Performance Management	1.2

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 36.0.2.

Table RN-4 on page RN-9 lists resolved PRs for EAGLE 5 ISS 36.0.1.

Table RN-5 on page RN-9 lists resolved PRs for EAGLE 5 ISS 36.0.0.

Table RN-6 on page RN-13 lists resolved PRs for EPAP 8.0.

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

Table RN-3. EAGLE 5 ISS 36.0.2 Resolved PRs for Build 36.0.2-57.21.12 (04/16/07)

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

Table RN-4. EAGLE 5 ISS 36.0.1 Resolved PRs for Build 36.0.1-57.21.1 (02/09/07)

PR #	Sev	CSR?	Title	Customer Impact
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 or 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).
115064	2		SCTP Association buffer size beyond default is not fully available for data processing	SCTP transmit buffering capacity is limited by a hard-coded upper limit on the max number of outoging datagrams (i.e., MSUs) which may result in IP Connection congestion and traffic discard before exhausting the SCTP buffering capacity specified by the association's "bufsize" setting. Assuming all MSUs are 41 bytes, the limit will be hit at the following buffering capacities: EDCM: IPGW: 16 KB IPLIM: 200 KB E5-ENET: IPGW: 32 KB IPLIM: 200 KB This problem becomes less pronounced as the average MSU size gets larger than 41 bytes. This problem does not affect releases prior to Eagle 35.0. There is currently no workaround for this problem.
114919	3		IPGWI TALI-SCCP incorrectly interpreting SCCP "national use" field as "national indicator"	

Table RN-5. EAGLE 5 ISS 36.0.0 Resolved PRs for Build 36.0.0-57.19.0 (12/22/06)

PR #	Sev	CSR?	Title	Customer Impact
110209	2		IPDA: tks_dp.c Line 1003 on STC	It appears that the IMF is overwhelming the STC card with ACKs to support of in excess of 300 links. When the card boots, the IMF may begin ACKing through another STC and kill it too. The situation only occurs when a very large number of links is being acknowledged through a single STC card.
111526	2		DB goes incoherent with DLT-SCCP-SERV command	User/customer provisioning error could lead to database corruption. If same point code is specified for PC1 and PC2, DB goes into incoherent.
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.

Table RN-5.   EAGLE 5 ISS 36.0.0 Resolved PRs for Build 36.0.0-57.19.0 (12/22/06) (Continued)

PR #	Sev	CSR?	Title	Customer Impact
113565	2		FSSPV_TBGTTLS: No Load-sharing when the TFC is sent for Mapset in Combined load-sharing mode.	When using combined loadshare for MAP entries, when a PC/SSN goes congested, load-sharing is temporarilty disabled for the MAP group and all traffic may end up on one point code (congesting it as well). When congestion abates, normal load-sharing is resumed.
113596	2		FSSPV_TBGTTLS:Class1 MSUs drop in dominant Mrnset when a node goes in congestion	All class 1 SCCP messages were being treated as "no-reroute on congestion," not just sequenced class 1. When destination node was congested, reroute was disabled where it should be allowed.
114226	2		Dynamic db goes inconsistent on sccp cards when eagle has congestion and a card is initialized	When a link stays in congestion/discard for > 2 minutes, DSMs can time out waiting to process a 'discard = 0' message and force a link out-of-service. The DSMs have a fairly slow low-priority execution time, so they do not check the discard status very often (about every 10 seconds to run the table one time). This creates a race condition where a link can toggle in and out of discard, but it is not detected by the DM card, so it believes discard has been constant. If the cause of the congestion is cleared, the Eagle will continue to report congestion until the VSCCP cards are initialized.
55864	3	Y	Upgrade should report cards which will cause upgrade failure due to IMT problems	The upgrade fails if there is an IMT error on any of the cards. This is due to the error causing the bus on which it has occurred to not be IS-NR. When the upgrade attempts to flash the HMUX│HIPR cards on the other bus, that bus can not be booted to load the new flash because the code prevents the user from taking out one bus when the other is not healthy. The enhancement checks the condition prior to executing the upgrade command. Also, it has been added to the Health Check send-msg command.
56653	3		Check if MUX card type exists in IMT hourly report	
59343	3	Y	rept-stat-mps:loc=xxxx shows IP connection unavailable even though the connection is available and the RTDB is reloading	The rept-stat-mps command incorrectly shows the IP connections unavailable even though they are really up and the database is loading as can be seen by rept-stat-sccp.
61696	3		UIM 1311 will not display on a terminal with heavy output	
74397	3		Module iprh.c Line 1283 Class 0001 Severity 1	
104860	3		Rept-stat-card:loc=:mode=full reports LS clock active even though clock status is not valid	
106013	3		L2STATS should differentiate between link failure reason and link status during a BLK-SLK or ACT-LPO	

Table RN-5. EAGLE 5 ISS 36.0.0 Resolved PRs for Build 36.0.0-57.19.0 (12/22/06) (Continued)

PR #	Sev	CSR?	Title	Customer Impact
106313	3		IS412GSM parameter allows for large values that can cause unexpected return results	
106477	3		Invalid Return MSU for Unsupported GTI	
108337	3		SCCP traffic causes gtt_db.c trouble	
108462	3		TOS4VB - BM & BR corruption impact uninitilized	
110226	3		UIM 1340 is defined as PRGU user group and should be SYSM	
110232	3		Card 1207 Module HMCG_MGR.C Line 1151 Class 01b1 Severity 1	
110387	3		Incorrect Info for fan replacement	
110810	3		Card boots if corruption impact parameter is NULL with corrupt routing wrapper	
111550	3	Y	init-card:loc=1114 or 1116 completes contrary to dependencies in commands manual	Customer can execute an init-card:loc=1114 and init-card:loc=1116 contrary to the dependencies in the commands manual. The result is the same, but the customer may not know that.
111673	3		Can not delete all entries in an MRN entity set using individual PCx fields	
112170	3		DLT-MRN accepts all=no and behaves as if all=yes is specified	
112187	3		buffer leak in function fpba_send_msg_to_mcp()	
112402	3		Receive UAM 1187 - "GPL Table Checksum Mismatch" during incremental upgrade from TSS.56.28.0 to TSS.56.30.0	
112507	3		MPS Maintenance Manual needs to better define combination alarms	
112569	3		ATM cards rebooted with ADL_MGR.C	
113298	3		tst-slk command always runs for one second even if you set the duration to something greater than one second	
113526	3		failed links are causing Module ss7_sltc.c Line 1231 Class 3036	

Table RN-5.   EAGLE 5 ISS 36.0.0 Resolved PRs for Build 36.0.0-57.19.0 (12/22/06) (Continued)

PR #	Sev	CSR?	Title	Customer Impact
113575	3		FSSPV_TBGTTLS: Problem in MRC when mapset in combined mode is changed to load-sharing mode	
113651	3		HC-MIM / E5-E1T1 - LOF on port when card temp reaches thermal level 1 causes card to reboot.	
113840	3		Module map_oai.c Line 499 Class 01c5 reported during DSM_boot_script	
114047	3		IMTPCI Directs all traffic to a specific bus based on card address	
114345	3		icc_sanity.c obits during upgrade	
57094	5		* Weighted GTT loadsharing	
60105	5		* ANSI-41 Mobile Number Portability (A-Port)	
60374	5		Network Recovery during an upgrade backout should be automated	
61519	5		Evaluate "SAFETY" value used with each packet type	
89961	5		*Per-Linkset Random SLS	
106516	5		* IS-41 GSM Migration Enhancement to support Checking of Migrated-to Network	
107429	5		MTP Routed LOCREQ Enhancements	
108070	5		* ANSI-41 INP Query	
108579	5		1100 TPS/DSM for ITU NP	
109044	5		* Transaction based GTT loadsharing	
109045	5		*Expansion to 32 GTT Destinations	
110003	5		* Base Upgrade support for Eagle 36.0	
114440	5		RTRV-DATA-RTDB displays confusing warning ATH	

Table RN-6.   EPAP 8.0 Resolved PRs for Build 8.0.0-80.6.0 (02/16/07)

PR #	Sev	CSR?	Title	Customer Impact
111996	2		EPAP: Standby PDBA hung after switch over	Replication to the Standby PDBA will not be possible. If Standby Homing is in use, PDBA to RTDB updates may also be affected, causing new provisioning to not reach the DSM cards.
114756	2		EPAP Administration Manual needs caution note about PDB restore procedure	EPAP GUI item for connect to MMI does not allow connection from EPAP-A (only from EPAP-B).
60095	3	Y	RTDB Homing error when Alternate set to NO	No updates are received at the RTDB until the "PDB not allowed" is stopped/restarted. Impact is minimal since this Homing configuration is not recommended by Tekelec.
61526	3		Reload RTDB from PDB does not error out when standby PDB it is loading from goes down.	
61825	3		syscheck verbose indicates "defaultroute: Module is disabled."	
74650	3		Both PDBs active after forced switchover	
83531	3		View RTDB status shows internal error.	
103249	3	Y	EPAP backup files do not recompress after restore	The customer impact is the disk space is used up too quickly. For example unzipped PDB is 2.9Gbytes and zipped it is 380Mbytes.
104335	3		Epapconfig, Display Config shows loss of config if Text UI left open for long time	
104551	3		EPAP- Automatic Backup- Backup not occurring on Standby EPAP when mate server is inconsistent	
105046	3		Export PDB to File should deny if full pathname is not specified	
105815	3		automaticbackup - alarm not cleared on mate when Backup Type of NONE is selected.	
105865	3		Manual import causes repeated "Mate PDB unreachable" and "PDBA connection failure" alarms	
108685	3		hitting enter after entering IP address on reload RTDB from remote results in blank screen	
110104	3	Y	IMSI Level difference between RTDB and PDB, IMSI rtrv fails after adding with force=yes	Customer will have inconsistent IMSI counts between the PDB and the RTDB.

Table RN-6. EPAP 8.0 Resolved PRs for Build 8.0.0-80.6.0 (02/16/07) (Continued)

PR #	Sev	CSR?	Title	Customer Impact
111315	3		Application is not interpreting the output from syscheck correctly - reportting ECC memory error as incorrcectable but it isn't	
61177	5		Allow Write Commands on EPAP During Retrieve/Export	
74604	5		EPAP 30-day storage or Export of Provisioning Logs	
105960	5		EPAP Support for A-Port	
111316	5		SAVE logs does not indicate to the user progress, now with bigger logs this can lead to problems	
112061	5		Clean up the maint to maint connection code	

Known PRs

Table RN-7 on page RN-15 lists known PRs for EAGLE 5 ISS 36.0.

Table RN-8 on page RN-56 lists known PRs for EPAP 8.0.

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

Table RN-7.   EAGLE 5 ISS 36.0 Known PRs (04/16/07)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
109529	2		Resolved	Defer	HC-MIM Cross STP delay does not meet Q.706	The EAGLE cross STP delay on HCMIMs does not meet Q.706 for LSLs For small MSUS (23 Bytes) the delay is now around 46 ms at .4 erlangs. In release 34 this had been tested at 28 ms.
110054	2		Resolved	Defer	DSM Cards Stop Taking Updates From ELAP after repeated multiple DSM warm restarts	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 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.
110415	2		Resolved	Defer	When booting 9 of 22 SCCP cards, good SCCP cards will boot (PMTC)	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.
111514	2	Y	Resolved	Defer	M2PA B links went into level 2 congestion	IP7 Ethernet Alarms - request for feature. Feature needed to detect misconfigured duplex between and Eagle and router or switch.

Table RN-7.   EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
111592	2		Resolved	Defer	Upgrade to 35.0.0-56.23.11 caused cards to go into DDL_HUNT for long periods	There is a chance that if the network is not stable during card load (as happens during upgrade) that the network card will be stuck in DDL HUNT due to the number of changes in the network. The network card needs to have a period where the network is stable so that it can crossload the current status of the routing table from another network card. To prevent this, it is recommend that customers clean their networks before upgrading.
111693	2		Resolved	Defer	Medium priority tasks have insufficient monitoring	Medium priority processes can fail without notification, but traffic is still routed. Since none of the lower level process house-cleaning takes place, the card would behave erratically. 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.
113179	2		Resolved	Defer	IM: Module sentry.c Line 375 on SSEDCM IPGWI being Monitored by IMF	There appear to be race condition(s) where an IPGWx card may boot with a SENTRY.C obit when connection states are changing and IMF monitoring is being enabled/disabled simultaneously with the system TVG at ~12000. This problem is still being investigated.
113231	2		Resolved	Defer	E5 IPLIM links would not restore until stopped all traffic	IPLIM E5-ENET M2PA links may go out of service and remain out of service when IPDA monitoring is enabled and traffic on the system is such that the system's STC card capacity is exceeded. This has been observed when there was a 2nd failure in the system (a different LIM card booted) causing the traffic on the IPLIM E5-ENET card to exceed the supported capacity when monitoring is enabled.
113256	2		Resolved	Defer	MPL obit: Module TSI_SBFR.C Line 1722 Class 01cf	TREC running out of heap space is not a likely event to be seen in the field. If it happens, it shuts down the TRECK stack gracefully without booting the card. However it can't be complerly ruled out that it will not result in booting the card. Although liklyhood of this boot happening in field is very minimal (close to nil) however, if it happens, it will boot the MPL card.

Table RN-7. EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
113588	2		Resolved	Defer	DSM Cards boot with TSI_SBFR Obit	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. 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.
113610	2		Resolved	Defer	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.
114090	2		Resolved	Defer	GSM MAP Screening fails due to unnecessary TCAP validation"	GSM MAP Screening takes the default TCAP error action (STPOPTS GSMDECERR) instead of intended by provisioning (for OPCODE or for CgPA/CdPA) for Continue and End messages failing TCAP validation, so if these two Actions are different, the traffic will be severely affected, since Continue and End will go to a different node than Begin MSU.
114232	2		Resolved	Defer	E5 IPLIM obit: Module icc_sanity.c Line 427 Class 0001	E5-ENET IPLHC and SS7HC cards performing Integrated Data Aquisition may boot during heavy traffic load. Investigation of this PR is still underway.
114512	2		Resolved	Defer	DSMs boot with TSI_SBFR.C Line 593 obit when other DSMs are booted	If the customer were to be running a scenario similar to the test performed in this PR, then they may see this OBIT for some of their VSCCP cards. I believe the problem is mostly related to the constant use of the init-card command. Since most customers will not be routinely init'ing their cards, this problem may not be exhibited.
114719	2		Resolved	Defer	SCCP Service is unavailable for all LIM Cards	Cards with this condition will indefinitely stop taking any traffic since they've set their TVG grant rate to 0. The only way to clear this condition is to either: 1) Boot the card or 2) Contact Tekelec Eagle Support.

Table RN-7.   EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
114821	2		Resolved	Defer	SCCP cards are not meeting their current engineered traffic load rates.	This cause the VSCCP cards with this issue to become exhaused 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, 3) High priority TEKOS tasking blocking medium priority tasks indefinitely.
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.
115028	2	Y	Resolved	Defer	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=vsccp) causing SCCP outage after G-Port activation.
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.
48983	3		Resolved	Defer	Telcordia - Not all TFPs sent to restarting adjacent STP1 when STP1 became available after becoming inaccessible during T29	When adjacent restart is done and T29 is running, the adjacent node is isolated again and become available, Eagle doesn't broadcast all TFP to adjacent node. The available adjacent node might has incompelte routing information.
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 presses the command that timed-out will be executed without being displayed.
53231	3		Resolved	Defer	IPSM public key retention and UIM not implemented.	This simply means that EAGLE will not retain public keys received from SFTP Servers that EAGLE has connected to across card resets. This leaves a slight security risk because, after an IPS card resets, the Eagle could establish a connection to the wrong 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.

Table RN-7.   EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
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.
55994	3		Resolved	Defer	Telcordia - Delay in completing TFP broadcast	Route status update maybe delayed on adjacent node.
55995	3		Resolved	Defer	Telcordia - One message lost when L1/L2 fail simultaneously	One message lost when L1/L2 fail simultaneously.
56006	3		Resolved	Defer	Telcordia - TFx messages are delayed by 800ms when C-link becomes available	Restoration of traffic maybe delayed after the C-links become active.
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.
56305	3		Resolved	Defer	End Office: Route status is incorrectly generated when rmt-appl is provisioned	For End-Office mode, the route status of an IPC in the Eagle may be incorrect if either of the two provisioing scenarios occur: 1) If the RMT-APPL table is provisioned with the IPC AFTER a SS7-IP routing key is provisioned with the Eagle's TSPC 2) the IPC is removed RMT-APPL table while the Eagle's TSPC is still in a SS7-IP routing key If this occurs, in order to correct the route status, the provisioning of the RMT-APPL table and SS7-IP routing key table must be provisioned correctly and then the IPGWx card(s) must be re-loaded.

Table RN-7.   EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
56910	3		Resolved	Defer	CANC-CMD on telnet fails with command recall	When trying to cancel a command using the UP arrow to recall "canc-cmd" out of the command history, the user will get "System busy" instead of actually being able to cancel the command. If the user actually types "canc-cmd" into the keyboard, this never happens.
57586	3		Resolved	Defer	User auto logged out double message	None. Message gets printed twice in a row, instead of just once.
57819	3		Resolved	Defer	SFTP password error yields Severity 1 message	None. System functions normally, and ATH is expected. Although customer may become alarmed at the ATH.
58184	3		Resolved	Defer	poll_mv.cpp ATHs on MCP card referring to IPGWI cards	Measurements for the ID'd card (IPGWI) are delayed in response and not included for the collection period.
58454	3		Resolved	Defer	CHG-TRM:ALL=YES, DBG output group behaviour	This PR would cause additional Debug Information to be displayed on Screen. Behaviour of the CHG-TRM:TRM=x:ALL=YES command is to be modified so only explicitly executing CHG-TRM:TRM=x:DBG=ON will turn this group on. The CHG-TRM:TRM=x:DEBUG=OFF command will stop debug commands from being diplayed.
59332	3		Resolved	Defer	AUD-DATA:DISPLAY=ALL OUTPUT TRUNCATED	PARTIAL COMMAND OUTPUT FOR AUD-DATA COMMAND. USER MAY NOT GET SPECIFIC INFORMATION AS TO SUBSET OR GPL STATUS. THE OVERALL STATUS OF DB IS REPORTED ELSEWHERE VIA ALARM OR REPT-STAT-DB. GPL STATUS IS ALSO AVAILABLE VIA RTRV-GPL.
59728	3		Resolved	Defer	Possible Missing Measurements on GTT discard	The Eagle does not peg the number of MSUs discarded after succesfully passing SCCP GTT due to destination route congestion. This peg count may need to be added.
59867	3		Resolved	Defer	tfatcabmlq default may be incorrect for C linksets	A customer must have at least 4 links in a C linkset to note that the tfatcabmlq value was not defaulted to 1 as stated in prior documentation. It would be necessary to have 3 links fail in that linkset to observe the affect on TFAs/TFCs. The issue seems to have no known customer impact.
59987	3		Resolved	Defer	Telcordia - Inconsistent TFA broadcast when transitioning to the route set allowed status.	TFA broadcast is not always complete. Response method will correct any missed broadcasts. This only occurs after Full Restart for PCs that were normal-restricted when full restart occurred. PCs that were fully restricted are fine.

Table RN-7.   EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
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.
61049	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.
61313	3	Y	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 peforming 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.
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.
83769	3		Resolved	Defer	Telcordia- TFR not immediately sent on normal route when diverting traffic to lower priority route.	Currently, EAGLE delays for T11 before sending TFR on the Normal path. Thus, the customer impact is that during T11, the adjacent node believes that DPC is prohibited and is unable to route to it. After T11, the node is able to use EAGLE to route to the destination.

Table RN-7. EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
83796	3		Resolved	Defer	Telcordia - Telcordia – Missing TxR during adjacent restart before sending TRA and traffic	TFRs and TCRs are not sent during Adjacent Restart. Thus, the adjacent node will consider all Restricted nodes to be Allowed, and will have to wait to receive a response method TFR/TCR to know the true state of the Point Code.
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.
88096	3		Resolved	Defer	STH Task using UI_PACE_OUTPUT macro	Under extreem conditions the increase in time required by STH to dump IXP based obits could lead to other tasks having issues. This problem has not been seen in the field.
88251	3		Resolved	Defer	Eagle 35.1- DSTN and RTE CSV files have inconsistent default values for different PC types.	The DSTN and RTE CSV files have been modified with default value for PCA, PCI, and PCN to be "--------------" (14 dashes) but PCN24 still has 11 dashes. Cosmetic difference only, there is no system impact
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.
88392	3		Resolved	Defer	FTRA record IPLIM as IPLIMI in SLK Table	Incorrect card type display for FTRA only. Possible confusion.
88393	3		Resolved	Defer	In DSTN and RTE tables, FRTA incorrectly record PC ans ALIASE.	Inconsistent FTRA display, some risk for confusion for solely FTRA based output.
88394	3		Resolved	Defer	GTT ant TT tables rocorded ITUN24 data in as ITUN	Slight confusion for FTRA ITU24 customers. They would expect ITUn or ITUN24 TT/GTT tables displayed.
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.
89092	3		ReadyToTest	Active	Can't provision 12 SSNs for PC in MAP table	Only eleven SSNs for a single PC may be provisioned. Customer documentation shows 12 SSNs.

Table RN-7.   EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
89294	3		Resolved	Defer	DSMs receive UDP broadcasts intended for MPSs as a broadcast side effect	DSM cards generate these multicasts that the peer DSM cards receive. The result is unnecessary waste of time and CPU cycles by all DSM cards to recover from receiving multicasts that are of no interest or use to the card. The handling of these messages consume a negligible amount of time and CPU cycles.
89394	3		Resolved	Defer	User and Terminal Command Actions not Correct with OAP-Based LNP Commands Removed	The LNP output group parameters for the chg-trm and chg-secu-trm commands, and the LNP command classes for the chg-secu-trm command cannot be specified, but the LNP command classes can be specified for the ent-user and chg-user commands
89679	3		Resolved	Defer	UALOG enhancements for SUA and M3UA	Logging of received M3UA/SUA messages on IPGWx does not record all parameters when the message is discarded. The additional parameter(s) that are not logged are of marginal use since the message type that is being discarded is logged and will be the primary method of debugging the interop issue. For ASP Failure, RC value included in trasmitted message would be more complete; however, ASP Failure is for all RCs so SG configuration can be consulted.
90115	3	Y	Pending_Investigation	More Information	MMI Ports are not available after upgrade or health check	Customer loses connectivity to all 16 MMI ports which inhibits their ability to interface with the Eagle STP when the Eagle OAMs are initialized. The customer has to physically disconnect and reconnect the MMI terminals.
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.

Table RN-7.   EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
90891	3		Resolved	Defer	entering invalid prefix value for prefxinum 4 for Prepaid IDP Relay feature gives incorrect message	The error message returned is E4343 "Feature Prefix too long". This is not correct, the prefix is not too long, but rather the value is not a valid value. This error message is misleading. No real impact as the customer has valid values.
96369	3		Resolved	Defer	UI accepts "up arrow" in KSR mode before ctrl-a entered	In KSR mode (term=ksr, not F11) the command prompt processes the up-arrow event, shifting the command buffer back by one before the ctrl-a prompt is entered/available.
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: (1) a device has detected an alarm, (2) queued the alarm to be displayed, and (3) the device is removed PRIOR to the displaying of the alarm condition.

Table RN-7. EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
103108	3	Y	Resolved	Defer	EAGLE allows you to delete a MAP table entry when it is referenced by GTT entry.	The EAGLE will not route GTT traffic if a MAP table entry is deleted that is still referenced by the GTT table. The following UAM/UIMs may be observed: 1046 - SCCP did not route - DPC not in MAP tbl 1049 - SCCP did not route - SS not in MAP tbl 1227 - SCCP did not route - DPC not in MAP tbl 1230 - SCCP did not route - SS not in MAP tbl At the very least we should give the user a warning and then make them use a :force=yes parameter. Ideally, we would not allow the customer to delete a MAP table entry that is referenced by the GTT table.
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 Commands 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 HC-MIM card to spend less time in aligned ready state.
105485	3		Resolved	Defer	Telcordia - Incorrect Return Cause for Received SCCP Message to SUT with Invalid SSN	There is no system impact as Eagle does not support any application routing Intermediate GTT to Eagle.
105657	3		ReadyToTest	Active	EMP must define an event code for bad LSSUs	Customer using the monitoring application may see bad event codes at IMF, which may result in errors on IMF.

Table RN-7. EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
105752	3		Resolved	Defer	FIGTTLS - ent-mrn does not verify route, just dstn	Causing the problem is generally a product of either incomplete provisioning or de-provisioning. However, the impact of allowing an mrn entry for just a destination (dstn) would result in the following behavior: 1) because the dstn only PC is not routable, it would not be including in any load sharing. This could effectively allow solitary point code entries in the MRN. 2) because solitary entries are not normally allowed,through delete MRN, one should not be able to get to an MRN table with just a dstn PC. However, if the MRN could get this way, other provisioning restrictions on GTT & routing would prevent look-ups of this PC in the MRN table. 3) worse case is deletion of route to only the dstn where previous route was included in the GTT table. This may be allowed? dstn should be completely removed and GTT clean-up. There would be no load sharing is the only net result.
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-gttsel 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-7.   EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	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	REl 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.
106677	3		Resolved	Defer	ATH_SS7.C trouble after init-sys on large system	This ATH was seen only once, does not have ANY impact on the traffic or any other Eagle's functionality.
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.
107133	3		Resolved	Defer	Module rmtp_utl.c Line 367 Sev 1 trouble on VSSP card during upgrade	This appears to be a one time error that occurs during the run-time of the GPL. It should not cause any issues in a production environment.
107153	3		Resolved	Defer	NTP_ULT.C on ILAs post short NTP outage	The trouble is indicative that the timestamp value for the ILA card has slammed, i.e.: jump ahead/back an unexpected amount of time.\n\nThe 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 valus of the timestamps drift excessively to be accurate. Since timestamps are derived from the TSC clock, they should still be accurate.\n\nThe problem is corrected once the NTP broadcasts to the EAGLE resume

Table RN-7. EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
107286	3		Resolved	Defer	ENT-RTE should not allow Network routing via type A or E linkset	Allows mis-provisioning that may lead to incorrect network operation. This is nonstandard provisioning that should never be seen in the field.
107505	3		Resolved	Defer	FFGTTLS: 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 FGTTLS feature is enabled, then old RPC3 does not reflect actual usage / capacity. Also impacted by XMAP feature
107679	3		Resolved	Defer	ent-slk command continue processing after CMD REJ error - Should not allow 64k provisioning on DS0 cards	System allows mis-provisioning of DS0 links - 64Kbs is not valid. Default values are fine.
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	3	Y	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.

Table RN-7.   EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
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 measuements 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.
108297	3		Resolved	Defer	Telcordia - 34.0 audit - NCR: Missing TFR broadcast for FPC Member When Moving from Prohibited to Restricted Status	IMPACT: This will unnecessarily delay the restoration of traffic to SPF1, until the adjacent node sends a route-set-test (RST) message.
108298	3		Resolved	Defer	Telcordia - 34.0 audit - NCR: Unexpected Response-TCR when Secondary Route Changes from Prohibited to Restricted	This will unnecessarily delay the restoration of traffic to the adjacent node, until the adjacent node sends a route-set-test (RST) message.
108300	3		Resolved	Defer	Telcordia - 34.0 audit - SLTM Not Initiated During Link Activation/Restoration	IMPACT: If the SLTM procedure is deactivated, then the EAGLE will not be able to detect looped links upon link alignment.
108307	3		Resolved	Defer	Telcordia - 34.0 audit - ITU- Message lost during changeover procedures when one link set becomes unavailable.	Although the loss of messages has a major impact, the issue was not observed every time a link set became unavailable. It was observed occasionally that a single message was lost when both links in a link set failed within approximately 300 ms; therefore this item is rated Minor.
108309	3		Resolved	Defer	Telcordia - 34.0 audit - ITU - When the EAGLE received a LUN for a remotely inhibited link, the EAGLE failed to respond with	IMPACT: Without receipt of a LUA, the remote end of the link will consider the link inhibited until the expiration of T22 at which time the remote end is expected to initiate a LLI. This will create temporary one-way signaling relationship on this link.
108433	3		Resolved	Defer	Telcordia - 34.0 audit -) Traffic routed on a link before changeback procedures completed	This may result in message mis-sequencing.
108434	3		Resolved	Defer	Conn Mgr ignores errors when attempting to set SCTP retx opts	No customer impact. Connection manager currently does not check for "Invalid Range" error after calling SCTP to set association options (RMIN,RMAX,RTIMES,CWMIN). Since OAM validates the ranges properly, this will never happen.

Table RN-7.   EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
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.
108452	3		Resolved	Defer	Telcordia - 34.0 audit - sent to MSTP concerning adjacent STP1 when B-links to STP1 and STP2 align.	Sending duplicate messages results in inefficient use of network.
108520	3		Resolved	Defer	Telcordia - 34.0 audit - Unexpected TFA Broadcast	Sending unnecessary network management messages results in inefficient use of network resources.
108551	3		Resolved	Defer	Telcordia - 34.0 audit - EAGLE sent duplicate messages following changeback	Duplicate messages will be discarded at the remote end; however require processing resources not expected during normal situations.
108552	3		Resolved	Defer	Telcordia - 34.0 audit - Redundant TFA Broadcast	Sending unnecessary network management messages results in an inefficient use of network resources.
108556	3		Resolved	Defer	Telcordia - 34.0 audit - TFR sent when alternate route becomes prohibited. (not an ITU specification)	This results in unnecessary use of network resources and may allow backrouting in this scenario.
108562	3		Resolved	Defer	Telcordia - 34.0 audit - : Preventive TFPs sent during adjacent restart and after adjacent restart	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.
108817	3		Resolved	Defer	OBMR - Telcordia - Duplicate TFPs concerning STP1 are sent to STP2, and duplicate TFAs concerning STP2 are sent to STP1.	Dual link alignment may create timing issues that causes 2 cards to run through TSRC and think they are responsible for generated netmgmnt.

Table RN-7.   EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
108883	3		Resolved	Defer	OBMR12- Telcordia -Controlled rerouting is always used when a route is deleted, added, or the route cost is changed. Forced	Not impacting to customers. During provisioning changes, all traffic for PC being altered is buffered.
108917	3		Resolved	Defer	16 sockets may be entered on an unseated DCM class card	Able to provision up to 16 TALI sockets on an unseated card whose appl is IPLIMx and type is DCM. The card will not load if the number of provisioned TALI sockets exceed the limit for its HW type, i.e. the card autoinhibits with HW Verification Code 104 "HW cannot support # of sockets provisioned on card". * DCM does not support >2 sockets (IPLIMx) * EDCM does not support >8 sockets (IPLIMx) * E5-ENET does not support >0 sockets (IPLIMx)
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.
108978	3		Resolved	Defer	M3UA - Telcordia - Dynamic Routing Keys Not Supported	Eagle responds to a Registration Request message with an "Unsupported Message Class" error. This is an unsupported functionality documented in the Eagle M3UA compliance matrix.
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.
109064	3		Resolved	Defer	OBMRIssue19-OBR_4 - Telcordia - Duplicate RCTs are sent with exception routes.	The Eagle will send duplicate RCT messages to the same destination if both RTX and standard RTE exist over the same linkset. This will only cause an additional msg to be processed by the far end. No traffic will be lost due to this condition.
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.

Table RN-7. EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
109144	3		Resolved	Defer	Tekelec MTP2 Report - Telcordia - MSUs Discarded Immediately Upon Full Retransmission Buffer	The E5 E1/T1 card will discard up to three messages that should otherwise remain in the transmission buffer and be sent as the retransmission buffer empties. This will only happen when the number of buffers in the transmit/retransmit Q exceed the maximum number of sequence numbers (127), one per MSU.
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.
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.
109354	3		Resolved	Defer	SCCP_ITUN_unequipped_user - Telcordia - ITUN) Incorrect Return Cause for Received SCCP Message for Unequipped SSN.	There is no impact to user. User is not supposed to send Rt-on-SSn queries to eagle without defining the SSN in the local subsystem. If they erroneously do, then they get a wrong cause in the UDTS Eagle generates.
109376	3		Resolved	Defer	SUA_16_part2 -Telcordia - SUT Ignored SSN in Ordered Fragmented DATA Chunks	The SCTP SSN (Stream Sequence Number) is not validated by Eagle for received SCTP traffic. This lack of validation has no impact when the sender sends correct traffic. It may allow spurious messages when, as in this test, the sender send incorrectly numbered packets.

Table RN-7. EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
109428	3		Resolved	Defer	OBSR: CLD Party Address field of MSU has no information, causes Sev 1	In case of GTT on CdPA and the CdPA GTI is valid (2 or 4) but has no CdPA digits whatsoever, the GTT ends up with 3 ATHs (from gtt_gta.c, gtt_db.c and scrc.c) and the UDTS is returned with "Unqualified" reason, instead of issuing a UIM about "No translation found" and generating a UDTS with "No translation found". So, the UDTS will still be generated (even with the wrong reason) and some indication will be displayed on the terminal (even thought 3 ATHs instead of 1 UIM) - there is no traffic impact, especially since such MSUs (with CdPA GTI=2 or 4 but no GTA) should not normally appear in the traffic.
109499	3		Resolved	Defer	Received module icc_mexh.c severity 1 when IPGW card was pulled	The troubles indicate a timing issue with the IPLHC/IPGHC application, which begins sending messages to peers before they are ready. This trouble indicates that the messages destined for the not-yet-ready application are being discarded. There is no adverse effect to the operation of the application.
109531	3		Resolved	Defer	NO_CLLLI - Telcordia - After doing a chg-db:action=restore, init-sys, Eagle didn't send clli 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.
109781	3		Resolved	Defer	UALOG is not logging RC in SNM TX msgs (DUNA, DAVA,etc)	UALOG does not include RC value in message for some messages that are transmitted by the IPGW card that contains RC. This does not affect signaling, only logging/debug.
109832	3		Resolved	Defer	Minor Misc Issues with IP Serviceability	Minor issues with pass command help text and command output column headers, no impact to funtionality
109834	3		Resolved	Defer	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.

Table RN-7.   EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
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.
109880	3		Resolved	Defer	Incorrect UIM for IGTT MSU drop.	The user will not able to find the actual cause of dropped SCCP MSUs with displayed UIM. The UIM generated is always Out Of Service irrespective of whether the PC is not available or congested.
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 Verifcation 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.

Table RN-7.   EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
109890	3		Resolved	Defer	SCTP Init Issues14-Telcordia-5) ABORT was not sent for an INIT or an INIT ACK with an invalid stream value	When the SUT received an INIT with the number of outbound streams set to 1 or the number of inbound streams set 1, the the SUT did not send an ABORT, and continued with association establishment. Likewise, when an INIT ACK was sent such that the number of outbound streams was greater than the number of inbound streams in the received INIT, the number of inbound streams in the INIT ACK was set to 1, or the number of outbound streams was set to 1, the SUT did not send an ABORT, and continued with association establishment.
109891	3		Resolved	Defer	SCTP Init Issues15-Telcordia- 6) ABORT was not sent for an INIT with an invalid IPV4 address parameter	When an INIT contains an invalid IPV4 address parameter, the Eagle will not send an ABORT, and continue with association establishment.
109892	3		Resolved	Defer	SCTP Init Issues16-Telcordia-7) ABORT was not sent for an INIT containing host name address parameter	When an INIT contained a host name address parameter, the SUT silently discarded the INIT and did not send an ABORT.
109893	3		Resolved	Defer	SCTP Init Issues17-Telcordia-8) SUT did not apply the back-off timer rule to Timer T1	When the Eagle did not receive an INIT ACK or COOKIE ACK in response to an INIT or COOKIE ECHO chunk, it did not double the value of Timer T1. SCTP RFC retransmission mode may not perform exponential backoff when retransmitting packets. Tekelec's default retransmission mode is LINEAR.
109894	3		Resolved	Defer	SCTP Init Issues18 Telcordia-9)SUT did not use T1-init timer value for COOKIE retransmission	When the Eagle did not receive a COOKIE ACK in response to a COOKIE ECHO chunk, it retransmitted the COOKIE ECHO chunk after 0.8 seconds, instead of waiting for the T1-int timer (1.0 seconds) to expire. This timer is tuned in Eagle to allow quicker connection establishment.
109895	3		Resolved	Defer	SCTP Init Issues19-Telcordia-10) SUT did not send an ABORT for an INIT ACK with Intiate Tag = 0	Eagle does not send an ABORT in response to an INIT ACK with Intiate Tag = 0 but rather silently discards the INIT ACK without sending an ABORT. This is a minor non-compliance to RFC2960.
109896	3		Resolved	Defer	SCTP Init Issues20-Telcordia-11) SUT sent malformed ABORT for an INIT ACK containing host name address parameter	When an SCTP INIT ACK containing a host name address parameter is recieved by the Eagle, it correctly responds with an ABORT, but the ABORT is malformed – it does not contain padding bytes and the unresolvable address contains extra bytes before the address value. This is a minor non-compliance to RFC2960.

Table RN-7. EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
109897	3		Resolved	Defer	SCTP Init Issues21-Telcordia-12) SUT sent COOKIE ACK in response to a COOKIE ECHO with an invalid Verification Tag	Eagle does not verify the correctness of all fields in SCTP messages. This has no impact when interoperating with a correct implementation and improves performance.
109898	3		Resolved	Defer	SCTP Init Issues22-Telcordia-13) SUT sent incorrect INIT in response to an ERROR chunk with a stale cookie error	Incorrect handling of stale cookie error. Does not impact our ability to align and carry traffic.
109899	3		Resolved	Defer	SCTP Init Issues23-Telcordia-14) SUT send an ABORT in response to an OOTB COOKIE ACK	When the SUT received an "out of the blue" COOKIE ACK, it responded with an ABORT instead of silently discarding it.
109900	3		Resolved	Defer	SCTP Init Issues24-Telcordia- 15) SUT did not increment cookie lifespan when it received an INIT with a valid Cookie Prese	Our cookie lifespan is currently long enough to support the networks we support, so Eagle doesn't need it.
109901	3		Resolved	Defer	SCTP Init Issues25-Telcordia- 16) SUT populated the State Cookie Tie Tags in INIT ACK	Currently not impacting our ability to connect, but in the future might encounter an implementation that validates these fields.
109902	3		Resolved	Defer	SCTP Init Issues26-Telcordia- 17-17)_SUT did not send an ERROR chunk when an invalid COOKIE ECHO chunk with an expired State	Not impacting our ability to align and carry traffic. This is an issue with validation of invalid packets.
109903	3		Resolved	Defer	SCTP Init Issues27-Telcordia-18 18) SUT sent an ERROR chunk when a valid COOKIE ECHO chunk with an expired State Cookie was 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.

Table RN-7.   EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
109906	3		Resolved	Defer	SCTP Init Issues30 -Telcordia- 1) SUT does not use exponential back-off for heartbeat RTO	The Eagle did not use exponential back-off of the RTO when sending HEARTBEATs for which it did not receive HEARTBEAT ACKs. SCTP RFC retransmission mode may not perform exponential backoff when retransmitting packets. Tekelec's default retransmission mode is LINEAR.
109907	3		Resolved	Defer	SCTP Init Issues31-Telcordia-2)_SUT sent HEARTBEAT ACK in response to a HEARTBEAT without the Heartbeat Info parameter	The Eagle responded with a HEARTBEAT ACK when it received a HEARTBEAT that did not contain the heartbeat info parameter. No impact if a correct heartbeat request is sent. The ACK merely copies what's in the heartbeat request.
109908	3		Resolved	Defer	SCTP Init Issues32-Telcordia- 3) SUT Sent Heartbeat after receiving an ABORT chunk	When the Eagle was in the Established state and received a DATA chunk bundled with an ABORT chunk for the existing association (DATA was first chunk, ABORT was second chunk), the Eagle responded with a Heartbeat chunk. RFC states. DATA chunks MUST NOT be bundled with ABORT. A correct implementation would not send this packet.
109909	3		Resolved	Defer	SCTP Init Issues33-Telcordia-4)_SUT Sent COOKIE ACK after receiving an SCTP packet containing both a COOKIE ECHO and an ABOR	During association establishment, after the Eagle sent the INIT_ACK, and received a COOKIE ECHO bundled with an ABORT chunk (COOKIE ECHO was first chunk, ABORT was second chunk), it responded with a COOKIE ACK chunk before aborting the association. There is no customer impact due to the fact that Eagle does not validate that an ABORT is not bundled. Connection will still terminate.
109910	3		Resolved	Defer	SCTP Init Issues34_Telcordia- 5) SUT resent SHUTDOWN ACK before T2-shutdown timer expired	When the Eagle was in the SHUTDOWN-ACK-SENT state, it retransmitted the SHUTDOWN ACK before the T2-shutdown timer expired. Eagle uses shorter timers than the default RFC timers in order to improve timeliness of events including shutdown.
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.

Table RN-7. EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
109915	3		Resolved	Defer	SCTP Init Issues38- Telcordia - 10 SUT sent ERROR chunk with Verifcation 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 Verifcation Tag value of 0 and a SACK with an incorrect cumulative TSN value. Eagle does not validate stream identifier. There is no impact when an implementation sends correct data.
109916	3		Resolved	Defer	SCTP Init Issues39-Telcordia- 11) ABORT is not sent in response to a DATA or SACK chunk when no association existed	When the SUT received a DATA or SACK chunk from an endpoint for which no association existed, it did not send an ABORT. No impact when interfacing with a correct implementation.
109917	3		Resolved	Defer	SCTP Init Issues42-Telcordia-14) SUT did not use the back off timer for data retransmissions	When the Eagle did not receive a SACK for a transmitted DATA chunk, it retransmitted the Data chunk after the T3-rtx timer. However, when the Eagle still did not receive the SACK, for subsequent T3-rtx timer expirations it did not double the value of RTO. SCTP RFC retransmission mode may not perform exponential backoff when retransmitting packets. Tekelec's default retransmission mode is LINEAR.
109918	3		Resolved	Defer	SCTP Init Issues46-Telcordia-18) SUT did not retransmit an unacknowledged DATA chunk Association.Max.Retrans times	When the Eagle did not receive a SACK, it did not retransmit the DATA chunk Association.Max.Retrans times. We retransmit 1 too few times. In practice this is not an issue, since we retransmit enough times to guarantee we can meet our performance requirements.
109954	3		Resolved	Defer	Card 2205 Module BCAST.C Line 1767 Class 01b1 Severity 1	The sev1 message is generated when a card is attempting to broadcast invalid data to other cards within the Eagle. There is no system impact.
109955	3		Resolved	Defer	Card 1206 Module GP_CNV.C Line 608 Class 01c3 Severity 1	During an upgrade there is a delta of time between the OAM receiving the IS-NR notification and sending the LIM cards the minimum GPL version that the LIM card will not process received traffic correctly and discard. Normally this time is negligable; however, during the upgrade that these were seen the system was under stress with SNM overload, congestion, etc that the OAM was handling in line with the minimum GPL. For each trouble issued, an MSU will be discarded.
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.

Table RN-7.   EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
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.
110035	3		Resolved	Defer	IPDA: SCOPY.C Line 2353 on LIMOCU	The monitoring on LIM OCU's ITU link will not work for links configured to be monitored by IMF/ESSI. .
110114	3		Resolved	Defer	VXWSLAN: Module vln_dlk.c Line 380 Class 8008	The card boots because it apparently runs out of buffers in a situation when host connections are bouncing. The card may boot repeatedly if the connections continue to bounce. If this situation occurs, the customer must be advised to check the operation and status of his SLAN host.
110117	3		Resolved	Defer	IPLHC msucount shows RX higher then 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.
110136	3		Resolved	Defer	IPGW does not route mesages over network route.	IPGW does not route messages to a DPC that has just a network route and no cluster or full PC route.
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 occurence is rare - seen only once and not repeatable.
110219	3		Resolved	Defer	2 netstat commands are wrapping text on EPM cards	Development issue: bonus characters may appear on the output of the netstat command. Correct data is still displayed, even as the bonus characters mess up with the format.
110230	3		Resolved	Defer	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.

Table RN-7. EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
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.
110265	3		Pending_Investigation	More Information	IPDA: EMP connections resetting	IPDA EMP TCP sockets can fail due to extended periods of congestion and packet loss in the monitoring network. When an EMP TCP socket fails, an alarm is output indicating that IPDA is inoperative for the affected signaling link. During periods of EMP socket congestion and failure IPLIM, IPLIMI, SS7IPGW, and IPGWI stop copying events and MSUs to the IMF for the affected signaling link.
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 would not have any affect on message handling.
110292	3		Resolved	Defer	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 FTRA customers. DPCN24 values appear in the incorrect column, so automated tools may misinterpret data
110305	3		Resolved	Defer	SLTC Test failed when using Seconadry Point Codes	May incorrectly indicate a failure on a good link, hampering link debug.
110311	3		Resolved	Defer	init-card does not work after convertoam action	The customer is unable to continue the upgrade using the staged upgrade. If a customer used the staged upgrade (rather than convertstp) then to bypass this issue either the active OAM would have to be pulled and reseated or a send message could be used to boot the card.
110321	3		Resolved	Defer	FTA area going incoherent	System impact is minimal. An incoherent FTA can occur whenever an FTA operation is interrupted. It is easily cleared by issuing a dlt-fta:all=yes:force=yes.

Table RN-7.   EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
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-ported. 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-ported 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 negitive 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 measurments 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.
110375	3		Resolved	Defer	rept-stat-assoc should not list asname, aspstate, etc for M2PA adapters	The rept-stat-assoc:aname=xxx command for an M2PA association prints the UA specific header (asname, aspstate,..) even though there can never be any UA entities provisioned for the association.
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 E5-ENET.
110616	3		Resolved	Defer	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.
110619	3		Resolved	Defer	SUA #6 - Telcordia - Inconsistent Address Indicator in Destination Address of CLDT	SUA CLDT messages sent by the EAGLE do not always initialize the Address Indicator.PC_included field properly.

Table RN-7. EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
110622	3		Resolved	Defer	SUA #8 - Telcordia - SCON Message Ignored by EAGLE	SCON message sent from M3UA/SUA ASP to Eagle is ignored. This is a known non-compliance and is being considered as a future enhancement to Eagle.
110623	3		Resolved	Defer	SUA #9 - Telcordia - Incorrect Error Code – Inconsistent Address Indicator and Address Contents	When the EAGLE receives an SUA CLDT message containing a Destination Address indicating "inclusion of PC" but missing the PC parameter tag (i.e., no PC was included), the EAGLE responds with an SUA Error Message with Error Code "invalid parameter value" instead of "missing parameter" .
110625	3		Resolved	Defer	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	Defer	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.
110627	3		Resolved	Defer	SUA #16 - Telcordia - Spare Bits in Address Indicator of Destination Address in CLDR Not Coded Zero	The spare bits of the Dest Address.Address Indicator of an SUA CLDR message are not identical to the spare bits of the Source Address.Address Indicator of the SUA CLDT message for which the CLDR is a response.
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 begfan with a number	Screen references that start with a numeric value can not be provisioned. This will have minimal customer impact since an invalid screen reference was supplied in the SEAS command and the response contains the invalid portion of the command. The user would be able to diagnose that the screen reference is invalid and correct the command.
110881	3		Resolved	Defer	inh-trm/alw-trm sequence on IP terminal results in disconnection 1 minute later	The problem only occurs if the terminal is allowed and the customer telnets in within a minute of the terminal being inhibited. When this occurs the telnet session is dropped once, but stays up after the customer telnets back in.

Table RN-7. EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
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	3	Y	ReadyToTest	Active	LNPMR errors causing Non-GTT Service Alarm Level 1 to trigger	July 31, 2006 - Customer's will be assume GLFEX/GPORT/EIR are the only services under Non-GTT services Alarm threshold in chg-th-alm.
111079	3	Y	Resolved	Defer	Comments and issues concerning the EAGLE upgrade procedure for 35.0	Upgrade document does not allow for concise upgrade execution.
111081	3	Y	Resolved	Defer	Comments and issues concerning the EAGLE Health Check Procedure.	Upgrade document does not allow for concise execution.
111082	3	Y	Resolved	Defer	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.
111164	3		Resolved	Defer	Telcordia- Audit 35.0 - Eagle returns "DPC not in routing table" when "unequipped user" is expected	The customer will receive a UDTS with an incorrect return code.
111178	3		Resolved	Defer	Telcordia- 35.0 audit- MTP3-Issue 20: Duplicate preventive TFPs sent when B-links to adjacent STP	The Eagle will generate a duplicate TFP for a CPC. This will only take up a small amount of bandwidth and not interfere with normal processing.
111179	3		Resolved	Defer	Telcordia - 35.0 audit -Issue 21: Duplicate TFAs when B-links to adjacent STP restore	The Eagle will produce an extra TFA regarding a CPC. This will only take an small amount of the bandwidth and not interfere with normal processing.
111208	3		Resolved	Defer	TVGEROUTE requester gets out-of-the-blue grants	The Eagle will sporatically loose a small amount of Eroute capacity in the system. The LIM cards will handle this loss of capacity correctly and ensure delivery of the SCOPY Packet.
111293	3		Resolved	Defer	E5 E1/T1 and HC-MIM - Module t4b_bm.c Line 365 Class 01c4 Obit after receiving a continuous stream of SLTMs	If a node interfacing with Eagle 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".

Table RN-7. EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
111323	3	Y	Resolved	Defer	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.
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 Brodcast 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.
111459	3		Resolved	Defer	IPLHC obit (itx_mgr.c) during changeover	The IPLHC cards boot when the Ethernet cable is connected and then re-connected.
111531	3		Resolved	Defer	Divide by zero within DMS utils	The problem only appear when the data handed to the problem utility is corrupted. Otherwise, there is no impact to operational software. This has not been seen in the field.
111567	3		Resolved	Defer	Pass cmd "sctp -a | -p" displays all the configured addresses on the card for uni-homed associations.	If multiple associations on the same IPLIM/IPGW card use the same "lport", the sctp pass command specified with the -p or -a option will display the set of IP addresses used by all of these associations for each of the associations. This can be misleading if the associations are uni-homed (ie ALHOST not specified) and the pass command shows both IP addresses on the card being used as local addresses. This PR only affects the display of the IP address during pass command "sctp" and does not impact the Eagle functionality.
111623	3	Y	Resolved	Defer	Incorrect Procedure given for DSM reboot after Bulk Data Download.	If the customer follows the current procedure in Customer Documentation they will get stuck in a constant loop of rebooting the DSM cards. If the customer takes the step of rebooting all DSM cards while in this state and following the procedure an SCCP outage can and will occur.

Table RN-7.   EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
111624	3		Resolved	Defer	HC card putting out sev 1 trouble	This Trouble doesn't have any impact on the scopy functionality and is only seen under the following contions: 1. An HC-MIM card provisioned with 64 links. 2. Monitoring turned on and all the links are monitored. 3. Run 0.9 Erlang traffic. 4. Take couple of links down.
111634	3		Resolved	Defer	Module SUM_MGR.C Line 717 Class 0074 on VSCCP card	The trouble indicates that an malformed message was received by this card. It may be either a HW or SW problem, but it does not happen often at all and the system recovers gracefully.
111635	3	Y	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.
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 stabalizes after switchover.
111928	3		Resolved	Defer	TALI links bounce during traffic with packet loss	IPLIM SAAL/TALI links on DCM/SSEDCM cards may experience intermittent link failures when running maximum TPS (2000 TPS) and maximum size MSUs (272 bytes SIF) and the RTT and packet loss is worst case (70+ms, 0.025% pkt loss). After running 8 TALI links on a card for 7 hours, this problem was seen only when the card is hosting both 4 M2PA and 4 TALI links at the same time.
111993	3		Resolved	Defer	Module gp_cnv.c found during recovery	A few MSUs from the card running an old GPL on the card running a new GPL will be lost during rollback/backout/recovery.

Table RN-7. EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
112052	3	Y	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, eventhough 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.
112096	3	Y	Submitted	More Information	Enhanced GSM MAP Screening: forward or dupdisc actions doesn't work	
112103	3		Resolved	Defer	RTRV-ASSOC:ANAME= fails to display assoc when non DCM class HW resident in LHOST slot	Mimimal system impact. rtrv-assoc:aname=<> to display the full association report terminates without displaying the association detail record when invalid hardware is present in the lhost card slot. A sev 1 ath is displayed and the command terminates but no mtt error is displayed. The rtrv-assoc brief report is available (rtrv-asssoc when aname filter not specified). When invalid HW is removed from the slot (card in slot is unseated or replaced with correct DCM-class hardware), the command works as expected.
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.
112155	3		Resolved	Defer	HIPR TVG Granting - HIPR is decrementing the capacity count when a previously granted TVG packet is received	When the shelf contains a HIPR, this problem is minimized by the currently available TVG self-grant ability in HIPR. When a system contains HMUX cards, however, the effect can be more pronounced and in the very worst case scenario the TVG capacity for a particular group could be reduced in half. The worst case scenario would only occur when a) granters exist in multiple shelves, b) each granter shelf has an HMUX card, and c) all TVG requesters exist in the shelves where the granters exist. Only when the three conditions are met would the worst case scenario show up. This is transparent to the customer.
112193	3		Resolved	Defer	Module gp.c Line 517 Severity 1 during Eagle 31.6.11 to 35.1.0 upgrade	These troubles were generated by several VSCCP cards indicating 4 MSUs were lost during upgrade Phase 3 in a very specific scenario, SRI must have a RN associated with it, and CRP must be on. This G-Port scenario can happen at any time during normal traffic, not only during an upgrade. The upgrade did complete successfully.

Table RN-7.   EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
112195	3		Resolved	Defer	Module HMCG_DST.C Line 1358 Severity 1 during 31.6.11 to 35.1 upgrade	These troubles were generated by several VSCCP cards indicating 4 MSUs were lost during upgrade Phase 3 in a very specific scenario, SRI must have a RN associated with it, and CRP must be on. This G-Port scenario can happen at any time during normal traffic, not only during an upgrade. The upgrade did complete successfully.
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.
112228	3		Resolved	No-Fix	FSSPV_36.0: Sev SCM_BKGD.C observed after database restore from fixed disk	Minimal, a restore operation was performed using a DB that does not match the existing card population. This would not typically be done in the field. In addition, an init-sys operation is typically required following a restore operation to distribute the new DB to all of the cards in the system. The init-sys command will rectify this issue.
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.
112361	3		Resolved	Defer	Eagle 35.1- FSSPV: Discrepency in the SLK table occupancy % displayed by RTRV-TBL-CAPACITY command and SLK CSV file.	Possible "off-by-one" between Eagle and FTRA for % full values with some table counts.
112362	3		Resolved	Defer	Eagle 35.1- FSSPV: Discrepency in the TableSize displayed for SCRSET table by CSV and RTRV-TBL-CAPACITY	Minor customer impact. The CSV File for SCRSET displays the MAXENTIES as 256 whereas the RTRV-TBL-CAPACITY in Eagle displays the maximum enties as 255.
112366	3		Resolved	Defer	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		Resolved	Defer	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.

Table RN-7.   EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
112379	3		Resolved	Defer	Init -card appl ccs7itu causes trouble Module bip_vxw_com	A valid BIP does not exist in a card as reported by this error. This PR addresses the manner in which the missing BIP should be reported to the customer -- through a UIM and not just an ATH. If a card with a missing BIP is received by a customer, only the ATH would alert customers about the missing BIP instead of an alarm.
112388	3		Resolved	Defer	Deleting last entry in sccp-serv causes Module gtt_oai.c Line 6429 trouble	Mainly this nuisance trouble which indicates the routing status for the entry is unknown, but given that the LAST entry is being deleted for the sccp service, then functionally there is no impact.
112536	3		Resolved	Defer	SEAS Data Collection Commands cause uplu_mgr and uplo_mgr trouble	The SEAS measurements commands are not intended to work with the 15 minute measurements feature, so these commands will not be functional in this case. An unexpected ATH may however be generated, but any output indicating the actual problem will likely not occur.
112547	3		Resolved	Defer	RX MTPP counts not pegged for M3UA	The pegs for IPGW M3UA/SUA connections that are receiving SNMs that are being discarded does not show up in the "MTPP" portion of the MSUCOUNT pass command output. Instead it is pegged in the "Received PDU Error" count.
112608	3		Resolved	Defer	during upgrade bcast.c severity 1 were generated by the HCMIMs	There isn't any impact to the customer since the msg generated is undeliverable anyways. The Eagle recovers as designed.
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.
112662	3		Resolved	Defer	x_ua_reject_asp_up_and_active was removed from asp_inactive state	Remote chance that IPGW cards within a mateset may become unsynchronized with respect to IP connection state across all cards. The potential for this only occurs when there are a large number of connections on the IPGW card (approaching 50 on a single IPGW card) and all of the connections are failing/recovering very rapidly. The IPGW software will autocorrect and resynchronize the connection states when the connection state change frequency slows.
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-7.   EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
112795	3		Resolved	Defer	TOS4VB: OS not completely initialized when APPL code executed	This problem has the potential to exist in the following GPLs: IPLHC, IPGHC, SS7HC, and SS7EPM. VESCCP is currently under development and is not an official GPL yet. If this problem occurs, a severity 1 error will be generated and any RADB update that must pass through RADBV will be lost. This applies mostly to IP related updates.
112857	3		Resolved	Defer	ITU->ANSI MTP Conv improper handling for MSUs > 272 bytes	This problem exists only for MTP-routed MSUs (no ANSI-ITU SCCP Conversion on the Eagle is ON, and no OBMR is done to this MSU), converted from ITU-I or ITU-N14 format to ANSI or ITU-N24 format, and which length (including MTP Level 2 and SIO byte) was 274 or 275 or 276 bytes as it arrived to the Eagle. After 14-bit -to- 24-bit conversion the MSU's Length grows 3 bytes, but Eagle does not validate the Length in this scenario, so, the 1, 2 or 3 bytes after the 276-th byte will be chopped off the MSU. This problem will most likely never be seen in the field, because the required scenario never happens.
112873	3	Y	Submitted	More Information	chg-db:action=restore:src=remove causes TDM to become incoherrent.	The only way the command completed successfully was when the backup and current peg counts were the same.
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 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.
112922	3	Y	Resolved	Defer	Connection Manager will not disallow sockets (E2887)	If the error occurs, customers will have to inhibit the EDCM card in order to disallow the socket.
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.

Table RN-7. EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
113128	3		Resolved	No-Fix	WGTTLS Unequal distribution of MSUs with weighted MAPSET with CLASS 1 MSUs	None
113252	3		Resolved	Defer	rtrv-gta:gta=xxxxxx:egta=yyyyyyyy: with vgtt on does not return all matches in all trees	With vgtt on and entries to span 10 different gta lengths, the output should show you all entries in all trees as in the example below: 919 9194 919461 91946100 9194610000 919461000000 9194610000000 919461000000000 9194610000000000 919461000000000000
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.
113304	3		Resolved	Defer	Module ss7_sltc.c line 962 when tst-slk:loopback=sltc is executed on a link that is OOS-MT-DSBLD	This trouble comes out if a tester issues a tst-slk command on an out of service link (this is not normally done). This trouble indicates that SLT timer T2 is restarting, which do not have any functional impact since the link is down.
113321	3	Y	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 adress, 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.
113322	3		Resolved	Defer	STC-IMF - Failures establishing connections	During STC overload testing when trying to bring up additional STC's, the Eagle generated numerous Copy De-act/copy act UAMs. The system TVG went from 11,900 with 2 STC's in service to less than 1000 with 4 STC's in service. To clear this condition the user must stop the IMF, init-card:appl=eroute at the Eagle and re-start IMF.
113351	3	Y	Resolved	Defer	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.

Table RN-7. EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
113358	3		Resolved	Defer	During upgrade E5 E1/t1 cards booted with Module ath_vxw.c Class 0001	During upgrade, after the card is inhibited, it obits for watchdog timeout. Since the card is already inhibited, there is no system change. It will generate an obit report, but there is no change to the functionality of upgrade.
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 symptons 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.
113586	3		Resolved	Defer	HCMIM cards intermittently generating ss7_mgr severity 1 messages	When running HCMIMs at very high rates (>90%), a Sev1 message may be generated and some MSUs may be dropped.
113603	3		Resolved	Defer	Split parameter should not be allowed for CGSSN, CGPC and OPC translations	No impact on system. Command is accepted but doesn't update the DB. This gives wrong impression to the user.
113790	3	Y	Resolved	Defer	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.
113827	3		Resolved	Defer	MAP Combined Loadsharing does not loadshare when last node of preferred group is congested	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. If the node in the first RC group goes Prohibited, then load-sharing resumes. Thus, instead of 1 node congesting, 2 nodes may congest.
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.

Table RN-7. EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
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.
113981	3		Resolved	Defer	CSVGEN: malformed part of csv LS table for ANSI PCs	Skewed and incorrect output for ANSI linkset tables only via FTRA. Not applicable for this release because it is ITU only.
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.
114018	3		Resolved	Defer	Multi-homed association with RMOD=RFC doesn't switch back to primary path	When RMODE=RFC for a multi-homed SCTP association, when one of the network paths is broken, it may take an extremely long time for it to become usable/reachable in the STP once the network path is restored.
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.
114043	3		Resolved	Defer	SE-HSL loses traffic on cable pull	Significant number of MSUs (hundreds) are lost when a changeover occurs due to cable pull. MSUs (~10) are also lost when a changeover occurs due to the deactivation of a SLK.
114123	3	Y	Submitted	More Information	E5-ENet card problem	Found during lab testing, the sctpinbound.c ATHs indicate there are gaps in the SCTP data stream from the far-end to the Eagle (packet loss) and the expected gaps are not being retransmitted by the far end.
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.
114740	3		Resolved	Defer	Module iplim_m2pa_s Line 1163 and Line 2504 Class 0001reported 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.

Table RN-7.   EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
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.
114926	3		Resolved	Defer	Eagle clk status. Send-Msg results not sent to IP terminals	Debug ouput directed to output group 'all' is not displayed on IP terminals. The debug output is sent to the serial terminals so this impact is minimal.
114946	3		Resolved	No-Fix	HCMIM Battery alarm still enabled.	The R36.0 customers will receive alarms when the battery running low (or missing battery).
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.
114952	3		Resolved	Defer	SCCP cards crossload wrong DDL data structure during backout	When LIM/SCCP card running older (pre 56) release attempt to cross load routing data from SCCP cards running new release (56 and above), the SCCP card sends DDL routing packets of wrong version, causing bad data on recipient LIM/SCCP cards. When this condition occurs, suggested action is to reboot all cards with GPLs from the same release.
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 anomoly.
115007	3		Resolved	Defer	System Eroute capacity displays wrong when 11 or more STC are IS-NR	If the customer has > 10 STC cards capable of 6000 tvg (EDCMs) then the rept-stat-eroute will show an incorrect value for System Total EROUTE Capacity. No other system impact.

Table RN-7.   EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo- sition	Title	Customer Impact
115011	3		Resolved	Defer	EROUTE TVG is not maintaining same-shelf-grant with HC-MIM SE-HSL	With HIPR on the shelf, EROUTE should perform same-shelf-grant up to max 6000 TVG per STC, with a limit of 30 TVG per 5 msec, however, this assumption holds true only if the traffic is uniformly distributed over a period of 1 second. In cases where traffic is bursty in nature then request can spill over to the other cards. This condition DOES NOT result in copied MSU discards.
115012	3	Y	Resolved	Defer	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.
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 FTRA) 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.
115076	3	Y	Resolved	Defer	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.
115101	3		Resolved	Defer	Update Telecordia references	Manual references to Telcordia documents show down-level versions. No customer impact.
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.
115149	3	Y	Resolved	Defer	SS7_SLTC.C troubles	This troubles tells the user that link has gone down and SLTC machine is cleaning up. It has no impact at all.
115237	3	Y	Pending_Inv estigation	More Informa tion	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.
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.
115257	3		Resolved	Defer	os_utl troubles caused by unexpected message received during BIP get data method	ATH_ERR would be raised if "BIP_FUNCTION_NOT_ALLOWED" is returned in a bip response. No impact on the normal system functioning.

Table RN-7. EAGLE 5 ISS 36.0 Known PRs (04/16/07) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
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.
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.
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 customer impact from this logic error.
115976	3	Y	Resolved	Defer	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-8.   EPAP 8.0 Known PRs (02/16/07)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
116847	2		Resolved	Defer	The PROV task cannot reconnect to MAINT if PROVdies while MAINT is trying to write to it.	DSMs may not be able to load until a restart of the EPAP software is completed.
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 situtation 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	provRMTP 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.
115372	3	Y	Resolved	Defer	EPAPDEV User has not permission to Connect to MMI by GUI	Customer can not access the MMI Ports using EPAP GUI.

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HARRIS

NetBoss^{TM}
System Release Notes
Eagle Harris Smart Agent 6.7

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

1. PURPOSE

This document contains the System Release Notes for the NetBoss Eagle Harris Smart Agent 6.7. 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 5.6, to version 5.7)

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. Effects 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 1.4.1, to version 1.5)

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 1.2)

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)