Tekelec EAGLE® 5 Integrated Signaling System

Release 35.0

Release Notice

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TEKELEC

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Introduction

EAGLE 5 Integrated Signaling System (ISS) Release 35.0 includes ELAP Release 6.0 and EPAP Release 7.0.

This *Release Notice* was updated for ELAP 6.0.3, Build 6.0.3-55.41.3; and EPAP 7.0.1, Build 7.0.1-60.29.0, to identify the resolved PRs and update the Known PRs.

The *EAGLE 5 ISS Release 35.0 Release Notice* includes:

- Generic Program Loads

- Version compatibility for Harris Smart Agent

- Resolved PRs

- Known PRs

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

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

PR Severity Definitions

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

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

How to Locate Documentation on the Customer Support Site

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

1. Go to Tekelec's 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). GPL versions that changed from the previous build are highlighted.

Table RN-1.   GPLs - Builds 35.0.0-56.23.13 through 35.0.1-56.23.14

GPL SYSTEM NAME	VERSION Build 35.0.1-56.23.14	VERSION Build 35.0.0-56.23.13
Date Available	10/11/06	08/07/06
ATMANSI	**126.23.14**	126.23.13
ATMITU	**126.23.14**	126.23.13
BLBEPM	126.11.0	126.11.0
BLBIOS	126.11.0	126.11.0
BLCPLD	126.11.0	126.11.0
BLDIAG	126.17.0	126.17.0
BLDIAG6	126.17.0	126.17.0
BLVXW	126.23.11	126.23.11
BLVXW6	126.23.11	126.23.11
BPDCM	126.16.0	126.16.0
BPHCAP	126.14.0	126.14.0
BPHCAPT	126.14.0	126.14.0
BPHMUX	126.20.0	126.20.0
BPMPL	126.14.0	126.14.0
BPMPLT	126.14.0	126.14.0
CCS7ITU	**126.23.14**	126.23.13
CDU	**126.23.14**	156.23.13
EBDABLM	**126.23.14**	126.23.13
EBDADCM	**126.23.14**	126.23.13

Table RN-1.   GPLs - Builds 35.0.0-56.23.13 through 35.0.1-56.23.14 (Continued)

GPL SYSTEM NAME	VERSION Build 35.0.1-56.23.14	VERSION Build 35.0.0-56.23.13
Date Available	10/11/06	08/07/06
EMDC	**126.23.14**	126.23.13
EOAM	**126.23.14**	126.23.13
EROUTE	**126.23.14**	126.23.13
GLS	**126.23.14**	126.23.13
HIPR	126.20.0	126.20.0
IMT	**126.23.14**	126.23.13
IMTPCI	126.23.11	126.23.11
IPGHC	**126.23.14**	126.23.13
IPGWI	**126.23.14**	126.23.13
IPLHC	**126.23.14**	126.23.13
IPLIM	**126.23.14**	126.23.13
IPLIMI	**126.23.14**	126.23.13
IPS	**126.23.14**	126.23.13
MCP	**126.23.14**	126.23.13
MPLG	**126.23.14**	156.23.13
PLDE1T1	126.11.0	126.11.0
PLDPMC1	126.21.0	126.21.0
SCCP	**126.23.14**	126.23.13
STPLAN	**126.23.14**	126.23.13
SS7ANSI	**126.23.14**	126.23.13
SS7EPM	**126.23.14**	126.23.13
SS7GX25	**126.23.14**	126.23.13

Table RN-1.   GPLs - Builds 35.0.0-56.23.13 through 35.0.1-56.23.14 (Continued)

GPL SYSTEM NAME	VERSION Build 35.0.1-56.23.14	VERSION Build 35.0.0-56.23.13
Date Available	10/11/06	08/07/06
SS7HC	126.23.14	126.23.13
SS7IPGW	126.23.14	126.23.13
SS7ML	126.23.14	126.23.13
VCDU	126.23.14	156.23.13
VSCCP	126.23.14	126.23.13
VXWSLAN	126.23.14	126.23.13

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 35.0.

Table RN-2. Harris Smart Agent Version Compatibility

Smart Agent Component	Release 6.6
Manage.IT	5.6
Configuration Management Interface	1.4
Performance	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 35.0 Build 35.0.1-56.23.14 (10/11/2006).

Table RN-4 on page RN-9 lists resolved PRs for EAGLE 5 ISS 35.0 Build 35.0.0-56.23.13 (08/07/2006).

Table RN-5 on page RN-17 lists resolved PRs for ELAP 6.0.3 Build 6.0.3-55.41.3 (03/14/2008).

Table RN-6 on page RN-18 lists resolved PRs for ELAP 6.0.2 Build 6.0.2-55.41.2 (07/20/2007).

Table RN-7 on page RN-18 lists resolved PRs for ELAP 6.0.1 Build 6.0.1-55.41.0 (11/09/2006).

Table RN-8 on page RN-19 lists resolved PRs for ELAP 6.0 Build 6.0.0-55.40.0 (06/05/2006).

Table RN-9 on page RN-19 lists resolved PRs for EPAP 7.0.1 Build 7.0.1-60.29.0 (03/14/2008).

Table RN-10 on page RN-20 lists resolved PRs for EPAP 7.0 Build 7.0.0-60.28.0 (07/13/2006).

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

Table RN-3. EAGLE 5 ISS 35.0 Resolved PRs for Build 35.0.1-56.23.14 (10/11/2006)

PR #	Sev	CSR?	Title	Customer Impact
109957	2		Card 2111 Module ss7_tcoc.c Line 1584 Class 01b1 Severity 1	This appears to happen when a link fails and a COO occurs almost simultaneously, in this case the link was in the WAIT T1 state since the adj pc was not reachable. The links in question appeared to be oscillating. On the HC-MIM and E5-E1T1, it happened when reseting all links in a linkset and the first link to come up (establishing the connectivity with the far end) goes back down after traffic is being routed to it. Links can hang and have to be manually restarted.

Table RN-3. EAGLE 5 ISS 35.0 Resolved PRs for Build 35.0.1-56.23.14 (10/11/2006) (Continued)

PR #	Sev	CSR?	Title	Customer Impact
112630	3	Y	M2PA link goes OOS when Proving message retransmitted by SCTP far-end received	If M2PA proving messages (sent by the remote M2PA peer) are lost in the transport during M2PA link proving, it is possible that an M2PA link may go OOS immediately after transitioning to IS-NR due to "retransmitted" proving messages arriving on SCTP stream 0 AFTER the initial data message arrives on SCTP stream 1. If this occurs, the M2PA link will automatically realign.
112953	3	Y	Incorrect format for parameter "Unrecognized Parameter" in INIT ACK from EAGLE	When an unsupported parameter is received in an SCTP INIT message, the Eagle places 8 additional bytes of data at the beginning of the payload of the "unsupported parameter" which is included in the SCTP INIT-ACK. This MAY cause the sender of the INIT to abort the association, resulting in failure to establish the SCTP association. A potential non-Eagle workaround is to have the vendor disable use of the functionality that is being rejected as unsupported by the Eagle.

Table RN-4. EAGLE 5 ISS 35.0 Resolved PRs for Build 35.0.0-56.23.13 (08/07/2006)

PR #	Sev	CSR?	Title	Customer Impact
53952	2	Y	GPSM-II Obits during weekend traffic run: TKS_MM.C	The impact is that when the Active OAM boots there is a window of opportunity in which the former Standby OAM can accept updates to the DB. This will result in the DB being diff level across the OAMs. Corrective action for the secondary fault, DB_DIFF, is a database repair.
59779	2		VSCCP changeover/changeback at high traffic rates can result in traffic loss	A combination of high traffic rates and T6 can cause message loss during controlled reroute.
83974	2		SPARE PC STOPS WORKING AFTER ENTERING MAP DATA.	ITUN Spare point code commands are suddenly rejected with E2055 error for no apparent reason. The problem cleared up just as suddenly for no apparent reason.
93320	2		PMTC_MGR.C Line 406 Obit during IMT inhibit/allow on large station	The event is relatively rare, but the possibility exists that in a heavily loaded system, when an imt bus is taken out of service and a surge of network management messages occurs, one or more cards could lose connectivity to the IMT bus for a sufficiently long period that would cause the card to boot itself to recover connectivity. This has never been seen in the field.
103850	2	Y	Terminal freezes when rtrv-obit is executed. User has to disconnect & connect	Command RTRV-OBIT freezes userid. Customer has to disconnect and re-connect.
104155	2		SEAS Command parser not working correctly when using lex/yacc version 3.4 or 3.4.1	The SEAS parser has trouble recognizing alphanumeric tokens, and aborts upon the first numeric it encounters in, for example, a linkset name such as LSN00001.

Table RN-4. EAGLE 5 ISS 35.0 Resolved PRs for Build 35.0.0-56.23.13 (08/07/2006) (Continued)

PR #	Sev	CSR?	Title	Customer Impact
104805	2		TVG failure	If one IMT Bus goes down, TVG traffic may be lost intermittently. This may include SCCP, SLAN, SNM, and EROUTE traffic.
105682	2		IMTPCI - Loses 256 messages on INH of bus	When running under a heavy load using large packets and inhibiting an IMT bus, there is the possibility of losing 256 MSUs. It appears that the IMT seq numbers are wraping, dropping 256 messages.
105982	2		DSMs obit with TSI_SBFR.C and tks_dp.c on full reload	Invalid RTDB structure from EPAP is not detected. Corrective action - EPAP reload from PDB is not indicated.
106222	2		FIGTTLS - During fallback procedure gp_cnv Sev 1, some traffic lost	Loss of traffic will be seen when falling back after Phase 3 is complete during Procedure 22 (removeable) and Procedure 25 (fixed). Loss of traffic will also occur when procedure 21 is executed. Procedures 23 and 24 are executed only when fall back occurs BEFORE end of Phase 3.
108290	2		SCTP Association 'bounces' in low traffic scenario	When user traffic on an SCTP connection (M2PA, M3UA, SUA) is steady but low (at least 1 packet every 500ms but less than 2 packets every RMIN time) -AND- the far end SACK timeout is greater than RMIN+RTT/2, the SCTP association may be aborted by the Eagle event traffic is being reliably transported.
108304	2		Telcordia - 34.0 audit - ITU - FMR: T18 not stopped when all link sets available and TRAs received	IMPACT: T18 is a supervision timer for phase 1 of MTP restart which supervises link activation as well as routing table updates. T18 is expected to stop when sufficient links are available to carry traffic and sufficient TRAs are received. Failure to stop T18 when all link sets are available and all TRAs have been received results in the unnecessary delay of the overall completion of MTP restart procedures, thus delaying the resumption of user traffic.
109635	2	Y	GTI in Calling Party Catagory was modified by STP and the CGPA lost	It was found that the Global Title Indicator (GTI) in the Calling Party Catagory changed from 4 to 0 by the STP. It therefore caused the Global Title Address of CGPA lost. This will raise the customer billing issue.
110315	2	Y	Eagle does not recover from SCTP receive window overrun	When the receive window for an SCTP connection on the Eagle is full or near full and there exists a "gap" in the received data; when the transmitting SCTP node retransmits the missing DATA chunk(s) to fill in the gap, the Eagle does not discard DATA previously acknowledged via an SCTP "gap ack" record as described in RFC 4460. This renders the SCTP connection unusable for transferring data to the Eagle until the connection is removed from service. The removal from service of the SCTP connection could occur via data path failure detection at the upper layers (SLT, M2PA T7 timeout, M3UA/SUA heartbeat timeout, excessive congestion detection algorithms on SCTP transmitter, etc). If these auto-detection mechanisms are not active, the SCTP connection may remain in service in this condition until it is manually removed from service via a chg-assoc:open=no command on the Eagle or other maintenance action on the far-end.

Table RN-4. EAGLE 5 ISS 35.0 Resolved PRs for Build 35.0.0-56.23.13 (08/07/2006) (Continued)

PR #	Sev	CSR?	Title	Customer Impact
42828	3		Telcordia - Incorrect MTP Restart Procedures Are Occasionally Observed	
43739	3		Telcordia- Unexpected TFA to MSTP when normal route becomes available after being unavailable and T11 has not expired.	
51533	3		Apparent duplicate DPC restricted UAM on chg-rte	
55589	3		MeasPlat: NM-STP, SYSTOT-STP, SYSTOT-STPLAN reports show 'I' with 'K' complete reports for MTCD-STP/STPLAN	
56001	3		Telcordia - LIAs are delayed by 800ms and not sent on the correct link for HSLs.	
56027	3		Telcordia - AMR: Restart procedures are performed when an adjacent node becomes available due to link uninhibiting	
56593	3		Duplicate Preventive TFPs sent during transition from Normal-Restricted to Allowed	
57842	3		SS7IPGW Does not support MSG type LUDT.	
58064	3		Inconsistent handling of UIMs between IPGWx and other GPLs	
58732	3		MCP function mprg_lnp_print_entity_meas problem	
58847	3		Sentinel Monitoring Alarms not fully implemented	
58973	3	Y	Customer has errors with MMI port when entering long commands	Customer cannot use recall hot keys to retrieve last command, without confusion, if previous command was over one line.
59709	3	Y	Cluster is ALMINH, however, UAM's continue to generate for cluster members	The expectation is when a cluster is inhibited, the user will not see any alarms for PCs within that cluster. Currently, only the cluster DPC itself is actually inhibited.
61313	3	Y	Netboss and STP2 alarm mismatch	NetBoss network management system does not accurately reflect status of the network.
74497	3		Telcordia - SLS values from unaffected link get redistributed when one link set becomes unavailable (due to link failures)	
74765	3		CPU stats show invalid percent utilization	

Table RN-4. EAGLE 5 ISS 35.0 Resolved PRs for Build 35.0.0-56.23.13 (08/07/2006) (Continued)

PR #	Sev	CSR?	Title	Customer Impact
83768	3		Telcordia - AMR: Duplicate preventive TFPs are sent after adjacent sends TFA	
83787	3		Telcordia - SLTA sent on wrong link	
83795	3		Telcordia - FMR: T23 Not Stopped When TRAs Received on All Link Sets	
83951	3		No ECA for XCO after completed ECO	
88146	3		UDTS handling for IGTT traffic under local link congestion	
88299	3		If port B on STC is disconnected when DHCP lease expires, no IP address will be configured	
88381	3		EIS: 56K DS0 link is reported as 64K DS0 link in EMP Service Request	
89089	3		IPLIMABATE should be removed	
89706	3	Y	DUMPSLOG.EXE for viewing SECULOG is outdated	EAGLE TAC or customer is not able to view SECULOG files from the EAGLE offline.
89726	3		Card Detect algorithm: re-queue of entry needed in the IMT GPL	
89822	3	Y	EAGLE Upgrade Documentation requires updating	Several recommened documentation updates could minimize customer confusion. There is no functional impact to upgrades.
89914	3	Y	Customer has questions on documentation on the eagle.	No impact to customer; however, the customer notes a discrepancy in documentation for L2T T6 and L3T T16 timer default values. Documentation states the default value for L2T T6 is 4.5, the actual timer value on the Eagle is 4.0; Documentation states the default value for L3T T16 timer default value is 0.8 sec, the actual timer value on the Eagle is 1.4 sec.
90048	3		ETS_UTL.C Line 1059 troubles in 31.6.11 to 34.0.0-55.41.1 upgrade	
90095	3		Module mrs_mgr.cpp Line 2345 Severity 1 during 33.0 to 34.0 upgrade	
90339	3		trp_trbl.c and hung route when 100 ESP limit is exceeded	

Table RN-4.   EAGLE 5 ISS 35.0 Resolved PRs for Build 35.0.0-56.23.13 (08/07/2006) (Continued)

PR #	Sev	CSR?	Title	Customer Impact
90542	3	Y	EAGLE Obits when using Crosstalk and attempting to transfer a file using Kermit	The EAGLE will switch activity when using a misconfigured Crosstalk/kermit session.
91208	3		Response DUNA/DRST should use RTKEY OPC when filtering	
95508	3	Y	G-Port discards the MSU with unsupported TCAP Package Type	ATH messages are generated when the Eagle G-Port discards MSUs that do not contain a TCAP Package Type that can be identified as ANSI or ITU.
96361	3		rept-stat-sccp does not show GTT when only Prepaid IDP Relay feature is activated	
96480	3		ALIM M2M issues SEV 1 ATH if BLKLD RSP times out due to mate missing	
96484	3		During full backout the MB does not get converted correctly for an unprovisioned HC-MIM	
96616	3		Respone DUPU messages should only be able to route with routing keys of the same SI	
96618	3		Receive duplicate Broadcast DAVAs when the Affected PC is a cluster	
96661	3		BCAST fails on VSCCPHC	
103184	3		chg-appl-sock cmd is rejected with MTT_MAX_ADAPTER_STATES_PER_CARD_EXCEEDED	
103205	3		Msucount displays msg length field in the UA fixed header in hbo.	
103206	3		ITU and ANSI Associations allowed in the same AS	
103207	3		Incorrect message displayed during rtrv-log command	
103263	3		An AS configured without a routing key causes invalid ASP-Inactive behavior	
103284	3	Y	Eagle reporting Module poll_mv.cpp trouble	Some or all measurements from the late responding card are lost.
103345	3	Y	rept-stat-db failure	Currently not allowing the customer to run rept-stat-db on one of the Eagle's MASPs. Command can be re-entered and will likely succeed. Also results in a failure of hourly measurements initialization. Hourly measurements will be lost for the previous hour.

Table RN-4. EAGLE 5 ISS 35.0 Resolved PRs for Build 35.0.0-56.23.13 (08/07/2006) (Continued)

PR #	Sev	CSR?	Title	Customer Impact
103754	3		UALOG displays RC value TX when it was not transmitted.	
104289	3	Y	UIMs that specify a PC have 3 leading spaces before the equals sign and the PC	The impact of these changes is that customers that use scripts to parse data from the EAGLE output will be caused to re-work the scripts to account for the additional spaces added to implement the Spare Point Code feature.
104477	3	Y	rept-stat-clk report active primary HS clock with no clock input	Misleading High Speed clock status on rept-stat-clk report. No clocks are connected but the HS clocks are shown as Active. No other system impact.
104722	3		VxwSlan data link recovery problem	
104723	3		UA_CONN.C Buffer Leak and Double-Relist	
104762	3		Preventative TFPs should not be issued to IPGW connections	
104903	3	Y	Show "Command Complete" @ end of LOGOUT and CLR-IMT-STAT commands	When looking at the CLR-IMT-STAT command, the user sees the command has been issued, but there is no indication that anything has taken place other the semi-colon at the end of the output. Looking at the logout command, the user only sees the command has been entered, but the question comes up, "Am I really logged out?"
104966	3		RTRV-DSTN unable to accept *-gc point code format	
105184	3		DSMs continue to take updates after being marked corrupted	
105549	3		OAM sends an invalid Make Granter V0 message in ENG 56	
105585	3	Y	MPS Platform Software and Maintenance Manual	The purpose of the backup provisioning port is not accurately described.
105793	3	Y	SUA: DAUD mesgae with two Routing Contexts - one RC is ignored	An M3UA or SUA DUAD received at an IPGW card with more than one Routing Context present in the DAUD will only have response(s) generated for the first Routing Context. Found during lab testing.
105838	3		FIGTTLS-Wrong error code generated for chg-mrn command	
106020	3		Broken Mutual exclusion on SCOPY and EMP	
106455	3		rept-stat-slan report always shows zero HOST capacity	
106533	3	Y	EAGLE allowed a SE-HSL to be configured for ANSI, this is not a supported configuration	Customer is able to enter a configuration into the EAGLE that is not supported.

Table RN-4. EAGLE 5 ISS 35.0 Resolved PRs for Build 35.0.0-56.23.13 (08/07/2006) (Continued)

PR #	Sev	CSR?	Title	Customer Impact
106740	3		Eagle Does Not Issue UIM when there is no CGPA PC in MSU	
106939	3		TVG_HMUX.C ATHs during Upgrade phase 3 when Grantor cards are rebooted	
106944	3	Y	Incorrect screen shot in EPAP admin guide rel 34.0	None. Documentation is misleading.
107001	3	Y	Telnet Server Busy, Please try again later	IPSM card will sometimes lock up when IPUI sessions that are terminated irregularly by the client. The customer has to boot the IPSM card for it to work again.
107099	3		UPG_IP7.C trouble during upgrade from 31.6.11 to 34.3	
107127	3		HMUX Ocassional BAD shelf ID	
108221	3		M2PA T4e timer range incorrect	
108418	3	Y	Measurements files show Interval Report as Incomplete	If the collect15min option is on the following can cause 15-minute report status to be incorrectly set to "I" incomplete: 1. the primary MCP looses a link and the secondary performs a 15-minute collection 2. the system is upgraded to a new EAGLE release 3. the primary MCP is inhibited then enabled or booted
108454	3	Y	rtrv-ctrl-feat should only display current data	rtrv-ctrl-feat shows duplicate entries for: LNP ported NPANXXs 893009401 on 150000 LNP ported NPANXXs 893009402 on 300000 LNP ported LRNs 893010505 on 100000 LNP ported LRNs 893010501 on 150000 Customer does not know which entry the STP is currently using. This is similar to PR 74721 for which TSB TN002374 was issued. The customer understands that the underlying issue is resolved, but wants the lower/invalid number removed to prevent confusion.
108521	3	Y	Can an upgrade be performed via IPSM card (secure shell or non-secure)	The customer might attempt to execute an upgrade via the IPSM card and the upgrade will not be executed. The customer will then look at the Upgrade Document which really does not come out and say, "Do not use Telnet terminals for upgrades."
108786	3		SCCP conversion fails when CDPA/CGPA GTT crosses domain	

Table RN-4. EAGLE 5 ISS 35.0 Resolved PRs for Build 35.0.0-56.23.13 (08/07/2006) (Continued)

PR #	Sev	CSR?	Title	Customer Impact
109010	3		Explanation needed for the use of the MRN table for IGTTLS/FGTTLS and GFLEX Reroute	
109839	3	Y	Inquiring About UAM 0500.....	The user can receive clearing alarms not only for x-list devices that the Network Management system was unaware of, but the alarm counts won't match while the x-list entries existed in an alarmed state, unless a re-sync had been issued after the x-list had been created.
57096	5		* Origin-based MTP Routing	
57292	5		Patch the Windriver TCP /IP stack to prevent DOS attacks	
57703	5		TIME BASED INHIBIT ALARM	
57874	5		* RTRV-STP command	
59918	5		DSMs should use TVG for high speed reroute	
60160	5		Support CHG-GTT to change the GTA	
60521	5		Clarify Backup Data Instructions	
60681	5		RTRV-RTE/RTRV-DSTN Support of PC Wildcards	
61659	5		*EAGLE Frame Power Budget Alarm Feature	
74382	5		*Flexible Final GTT Loadsharing	
82275	5		HIPR/HMUX - Add extra shelf ID validation	
90403	5		HIPR "self-grant" for TVG Proxy	
90410	5		Allow HIPR to grant for multiple groups.	
90413	5		HIPR Accelerated TVG	
96409	5		HIPR High-Speed (fibre channel) Bypass FIFO Half Full Flag Set	
103935	5		RTRV-LOG command in Health check 2 procedure	
104350	5		Implement enhanced mechanism for reporting board capabilities by BPs	
104924	5		*228 Million LNP Numbers	

Table RN-4.   EAGLE 5 ISS 35.0 Resolved PRs for Build 35.0.0-56.23.13 (08/07/2006) (Continued)

PR #	Sev	CSR?	Title	Customer Impact
105109	5		IP Signaling Serviceability Feature	
105176	5	Y	TVG Auto-refresh on HMUX and HIPR needs timeout period.	
105177	5	Y	Protect diagnostic test register on HMUX and HIPR	
105353	5		Add HMUX and HIPR diagnostic code to unlock test registers	
105770	5		Eagle RTDB Data Validation Improvements	
105988	5		Notify that ICC_SHUTDOWN collects post-mortem data	
106589	5		rtrv-data-rtdb:lrn=xxxx does not return LRN info	
106811	5		Report MRN / SCCP Serv table capacity	
106891	5		I MTPCI - out of resources OBIT needs buffer audit data.	
107165	5		HIPR Possible Ocassional BAD shelf ID	
108372	5		RTRV-RTE:Discrepency in output for RTRV-RTE command in case of ITUN & ANSI variant	
108752	5		Add diagnostic data to the PMTC_COM_DISCONNECTED message	
108977	5		Alternate TVG requests to both IMT busses	

Table RN-5.   ELAP 6.0.3 Resolved PRs for Build 6.0.3-55.41.3 (03/14/2008)

PR #	Sev	CSR?	Title	Customer Impact
127561	5		Add JDK 1.5 Backward Compatibility to Java 1.4 Compiled ELAP	

Table RN-6.   ELAP 6.0.2 Resolved PRs for Build 6.0.2-55.41.2 (07/20/2007)

PR #	Sev	CSR?	Title	Customer Impact
120024	2		DSM cards OBIT pvdlvmsg line 2615 on warm start on system containing E5-SM4G cards with TN deletes.	During an Eagle upgrade, this may result in several cards failing to warm restart, during resynch phase, if data is being provisioned into the ELAP. These cards would then cold restart. This could cause the maintanance window for the upgrade to be exceeded. In addition, there is no guarantee that after the cold boot that the cards will come back when they hit the resynch phase again. This could result in an upgrade failure.

Table RN-7.   ELAP 6.0.1 Resolved PRs for Build 6.0.1-55.41.0 (11/09/2006)

PR #	Sev	CSR?	Title	Customer Impact
112672	2		ELAP DB went corrupt but did not report corruption.	Without this fix the rtdb can become corrupt possibly resulting in LSMS update transaction failures. These transaction failures will cause the LSMS to continuously toggle the active ELAP connection between A and B.
114015	5		Enhance rtdbdiag to identify records with null MRG index	

Table RN-8. ELAP 6.0 Resolved PRs for Build 6.0.0-55.40.0 (6/5/2006)

PR #	Sev	CSR?	Title	Customer Impact
104451	2	Y	Deletes failed with E0147: Return_Failed_Read_MRGroup_Entry	Delete attempt will fail and be reported to the LSMS. An audit and reconcile will have to be completed for any failed records.
61333	3		If MR table gets full, LPU batch utility says it successfully processes subsequent updates	
61376	3		With NPANXX table full, the GUI shows new updates as successful incorrectly	
61408	3		Update MPS (ELAP) Server Info	
103723	3	Y	LRN totals do not match between mated sites.	Customer unable to verify data consistency between mated sites.
106530	3	Y	MPS Platform Software and Maintenance Manual - T1100 AS, is incorrect.	MPS DOC 910-2712-001 Revision C, does not state to disable the LSMS connection before attemping to stop the ELAP software for a backup of the RTDB.
106576	3		ELAP does not return correct DB level during resynchronization	
107382	3	Y	Core file generated due to the jrs being shutdown while other activity on same thread..	No operational impact. Core file must be removed to clear alarm.
104924	5		*228 Million LNP Numbers	
106136	5		"HTTP TRACE" security vulnerability needs to be addressed	
107629	5		Turn Off Server Tokens & Server Signature for Apache	
108577	5		2007 Daylight Savings Time changes	

Table RN-9. EPAP 7.0.1 Resolved PRs for Build 7.0.1-60.29.0 (03/14/2008)

PR #	Sev	CSR?	Title	Customer Impact
127562	5		Add JDK 1.5 Backward Compatibility to Java 1.4 Compiled EPAP	

Table RN-10. EPAP 7.0.0 Resolved PRs for Build 7.0.0-60.28.0 (07/13/2006)

PR #	Sev	CSR?	Title	Customer Impact
107272	2		Filesystem corruption detected upon reboot after installation of 96MGflex feature	If /dev/vgapp/free filesystem corruption is detected during the first reboot after installation of the 96M G-Flex feature, customer must execute a manual fsck.
108619	2	Y	Export/Reload fails - mysqld server using incorrect indexes on certain queries	Unable to complete PDB Export or RTDB reload from PDB.
55618	3		pdbiImport script hangs on blank lines	
83583	3		EPAP GUI has 'manditory' spelled incorrectly in errors generated	
88131	3		exinit is not starting eaglelog process	
103464	3		Must run through epapconfig menu to set DSM network to defaults	
105206	3		Set Debug Levels form does not prevent invalid entries.	
105306	3	Y	EPAP 5.3 : PDBA DSM List, wrong error code when entering 12 characters for CLLI	Menu PDBA -> DSM Info -> PDBA DSM List: when entering a CLLI with 12 characters instead of 11, the error displayed is 1013 = PDBI_NOT_FOUND, but it should be 1012 = PDBI_INVALID_VALUE.
106749	3		ELAP GUI shows the current login time instead of the previous login time	
107205	3		Initial install of provisionable EPAP pair causes Text UI to die	
107724	3		EPAP RTDB and PDB backups fail if auto-backup feature never used	
108060	3		Restore of PDB backup from Standby PDBA causes Standby PDBA to get ahead of Active PDBA	
108264	3		False Mate PDBA Unreachable Alarm issued intermittently	
44616	5		Enhance PT list on Add or Update DN on EPAP 3.0	
56251	5		Update PDBI Manual: More details for Response Return Codes	
88641	5		VSCCP: Improve RMTP download performance	
104256	5		EPAP Provisioning Blacklist	

Table RN-10. EPAP 7.0.0 Resolved PRs for Build 7.0.0-60.28.0 (07/13/2006) (Continued)

PR #	Sev	CSR?	Title	Customer Impact
108577	5		2007 Daylight Savings Time changes	
109026	5		Need to Reset Time Zone During EPAP 7.0 Upgrade	

Known PRs

Table RN-11 on page RN-22 lists known PRs for EAGLE 5 ISS 35.0.

Table RN-12 on page RN-61 lists known PRs for ELAP 6.0.

Table RN-13 on page RN-64 lists known PRs for EPAP 7.0.

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

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
108963	2	Y	Resolved	Defer	M3UA - Telcordia - Loadsharing is not performed when the traffic mode is Loadshare	When the source SS7 traffic for an ANSI non-mated IPGW linkset (i.e. single link linkset w/o a matelsn or multiple link linkset) contains traffic streams with only 5-bit SLS's, the traffic from these streams may not be evenly distributed across the M3UA/SUA connections in the M3UA/SUA Application Server being used to deliver the traffic. This MAY include some of the M3UA/SUA connections not being used at all to deliver the traffic and in heavy traffic conditions, may result in congestion of the M3UA/SUA connection and/or the IPGW linkset. This problem has also been observed when only a portion of the full range of SLS values arrives at the Eagle destined for an M3UA/SUA application server in the IPGW configuration noted (i.e. SLS's 0-7 or 8-15 only in an ITU network, 0-127 or 128-255 only in an ANSI network).
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.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
110039	2		Resolved	Defer	Module hprumgr.c Line 1519 Class 0075 obit	1. The HIPR and the system recovers without manual intervention. 2. Even though the HIPR card obits, traffic in the system is not lost. a. The FPGA on the HIPR continues to process by-pass traffic on the high- speed ring even while the card is re-loading. b. While cards in the shelf with the affected HIPR can not transmit or receive on the affected IMT bus while the HIPR reloads, they can still communicate on the other IMT bus. c. The problem on the HIPR does not affect by-pass traffic, so only the shelf with the HIPR will have any affect. d. The problem on the HIPR does prevent cards in the affected shelf from receiving packets on one IMT bus for up to 1 second. However, the other IMT bus was unaffected and the IMT protocol would have retransmitted any failed packets on the affected bus on the other bus. e. The only other system level effect will be the loss of TVG granters on the affected bus on the affected shelf while the HIPR reloaded. This will be a very short term loss and the TVG capacity should be pi
110051	2		Resolved	Defer	Pass:loc=:cmd=" causes EPM card to boot	The EPM card will still boot if the command is entered with an empty double-quoted string as follows:pass:loc=XXXX:cmd=""Such a string is not a valid command.
110051	2		Resolved	Defer	Pass:loc=:cmd=" causes EPM card to boot	When an unterminated pass command string is sent to the EPM card, the card will boot.The record of this PR for C&C has already been fixed, so this PR is not an imminent problem and can be deferred. In order to cause the card to boot we will need to undo that fix .
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 placeAfter 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.
110066	2		Resolved	Defer	IPDA: IP Monitoring Allowed with one HIPR and one HMUX on the Shelf	The HMUX card may not be capable of processing all of the data. If only one HIPR is present in a shelf, then it becomes possible to monitor IP7 links with IMF. Two HIPR cards should be installed in a shelf prior to enabling monitoring of any IP7 links.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
110209	2		Resolved	Defer	IPDA: tksdp.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 acknowledge through a single STC card.
110210	2		Resolved	Defer	Module t4bbm.c Line 325 on HCMIMs monitored with IMF2.0	Card reboots and recovers. Issue was seen once and has not been reproduced again since first observed.
110237	2		Resolved	Defer	IPDA: IPLIM links bounce after alw-card on STC card	When the TVG capacity provided by the STC cards in the Eagle is not sufficient to support the traffic monitored by all links in the Eagle, IPLIMx cards which are routing rated capacity SS7 traffic and are hosting multiple M2PA links, all of which are monitored, may experience M2PA link failures due to T7 (excessive acknowledgement delay) timeouts when sufficient TVG capacity is restored (by allowing STC card(s)). The root cause of this problem is under such conditions the TCP/IP stack and SCOPYapplication queues fill up and then are unloaded as fast as possible by the VxWorks Operating System. When this happens the IPLIMx CPU becomes saturated long enough that the MP2A links are not serviced in a timely manner. This problem has only been observed on IPLIMx cards hosting multiple M2PA links.
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 pmtcmgr or other obits. This should not happen in the field.
110923	2		Resolved	Defer	Telcordia - 35.0 audit - No polling for nested cluster member when affected by a TCA	When the EAGLE receives a TCA for a prohibited cluster, the Eagle stops polling nested cluster elements. The Eagle should continue polling nested cluster members even if the cluster is allowed.
111098	2	Y	Resolved	Defer	REPT-STAT-SCCP:MODE=PERF output shows LAST 10 DAILY PEAK SCCP LOADS out of order	The customer would possibly encounter 2 problems:1) The Overall 10 peaks queue might contain 2 "peak" extries for a single day.2) The Last 10 Daily peaks queue, could have invalid entries in it.
111109	2		Resolved	Defer	Integrated Data Aquisition: High Speed LIM cards can starve IPLIM/IPGW cards' STC capacity	When the system's need for STC capacity approaches the available STC grant capacity, non-IP High-Speed LIM cards can consume an unfair share of STC capacity, effectively starving IP cards which can degrade or prevent IDA on the IP cards. Although all LIM cards should implement this per tick cap on how many STC grants can be consumed, it is felt that only the high-speed LIM cards are capable of capacities that would result in starvation. These cards are HC-MIM, E5-E1T1, ATMANSI, E1ATM, SE-HSL.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
111268	2	Y	Resolved	Defer	M2PA link shows connecting on one end and established on the other. Traffic passes in only one direction.	IPLIM comes in service, shows association established on one side and shows connecting on the other. The IPLIM passes traffic in only one dirrection.The only corrective action is to boot the card.
111304	2	Y	Resolved	Defer	four byte MSUs are currently considered valid and will cause ATM link to bounce	Four Byte MSU cause ATM Links to Bounce
111515	2		Resolved	Defer	Telcordia - 35.0 audit - GTWY LS SEAS tests blocked by trouble Card 1115 Module DMSUTL.C Line 2380 DMS Error	When SEAS command CHG-GTWYLS with parameter nk (New Next Screening Function Identifier) set to STOP is issued, the gateway screening database can no longer be used by SEAS. Any Gateway Linkset assignment to the screenset modified by this command cannot be removed from the Gateway Screening database. The Eagle UI for GWS is not affected, but is also not able to remove a faulted SEAS screenset because the numbered naming convention applied to SEAS is not fully supported by the Eagle UI. It is possible to reassign the linkset gateway screening capability using the Eagle UI, to an Eagle UI provisioned screenset, but not through SEAS.
111526	2		Resolved	Defer	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.
111532	2	Y	Resolved	Defer	UIMs 1045 and 1001 being seen - no links congested to HLR - HLR not congested	STP continuously sent TFCs to adjacent nodes without any congestion alarms being reported or any indication it was sending TFCs.
111592	2		Resolved	Defer	Upgrade to 35.0.0-56.23.11 caused cards to go into DDLHUNT 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.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
111982	2		Resolved	Defer	DAUD with single RC parm and no NA parm does not always audit correct ITU destination	When the Eagle receives an M3UA or SUA destination audit (DAUD) request which contains a single Routing Context parameter, but does not contain a Network Appearance parameter, the network of the destination audited will ALWAYS be that of the true adjacent point code of the IPGW linkset receiving the audit. This is not an issue for ANSI IPGW linksets. For ITU IPGW linksets, this could result in providing the incorrect destination availability and congestion status to the requester IFF the ITU IPGW linkset is serving multiple networks (i.e. ITU-I and ITU-N or multiple ITU-N group codes).
112066	2		Resolved	Defer	Module T4MINT.C Line 279 Class 0080 obit reported during procedure 7 of an upgrade	During a MASP role switch, the new active EOAM may boot multiple times while establishing the IP7 alarm baseline IFF there are a significant number of active IP Connection alarms. The test system had 1300+ active IP connection alarms. We know that prior to 31.6, when the max number of IP connections was 250, this problem was never observed.
113332	2		Resolved	Defer	IPLIM boots during link bounce and congestion trafic (tksmm.c)	Under congestion, a timing scenario can cause a double-relist of a multicast buffer, which will boot the card. Congestion updates occur in high priority. Most multicasting is done from medium priority. This discrepancy can cause a congestion update to interrupt a normal update, and the normal update finished with a stale (relisted) buffer.
113361	2		Resolved	Defer	after init-card:appl=ccs7itu dynamic data shows mismatches	Some card may have out-of-date information after crossloading. There is a small window during DDL where updates may be missed. Some missing information will be self-correcting (poll mechanism may refresh data) while some (link state) may cause OAM to indicate bouncing PC status or other issues. This is an intermittent problem, that was seen during init-sys of a large system. The main problem seen was LinkClass being incorrect for SE-HSL links on one or 2 cards for 1 or 2 links. If the system does not have SE-HSL links, the problem would not be seen.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo- sition	Title	Customer Impact
113527	2		Resolved	Defer	An improper usage of GPEXPLENGTH macro	This bug affects only GMS MAP Screening and TALI transmission on IPGW. In order to experience this bug the following 3 conditions must occur at the same time: 1- SCCP MSU without CdPA PC (and/or without CgPA PC for TALI), 2- the MSU must NOT be under processing of one of the features, using Expansion Data: CLASS1 Sequencing, XUDT, Origin-Based MTP Routing or ISUPNPWITHEPAP; 3- the place in the system buffer must have a word (tu16) small enough (but bigger than the message length) so when it is subtracted from the actual message length the result is larger than 276.If the three conditions above occur, the consequences will be as follows: GSM MAP Screening Actions Forward, Duplicate and DupDiscard will fail with their normal failure scenarios: - for Forward: the MSU will be routed to it's original (determined by GTT or by MTP DPC) destination instead of being routed to a destination provisioned to this Forward Action;- for Duplicate: the Duplicated MSU will NOT be routed to the destination provisioned to th
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.
48972	3		Resolved	No-Fix	Telcordia - During restart messages are received for routing while T25 is running & Eagle incorrectly transmits a TFA	Traffic may be routed prior to Restart completion and before the condition of the network is known.This only happens on nodes that wait longer that T25 (30 seconds) to issue first TRW in restart. This should not be normal behavior for a node that actually supports full restart.
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.
50769	3		Resolved	No-Fix	RTRV-RTE command displays ITU-N PCs wrong	no impact

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
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.
53161	3		Resolved	No-Fix	IPS cards keep regenerating the same SSH Host Keys	Every time an IPSM card is re-seated (w/the SSH feature on) it is suposed to generate an unique host key. It has been observed that in some instances the same key has been re-generated. No system impact.
53231	3		Resolved	Defer	IPSM public key retention and UIM not implemented.	This simply means that EAGLE will not retain public keys received from SFTP Servers that EAGLE has connected to across card resets. This leaves a slight security risk because, after an IPS card resets, the Eagle could establish a connection to the wrong the far end without notifying the user of any potential wrong-doing. Of course, this would mean that the server is being spoofed in the network when Eagle attempts this connection. As long as the IPS card is not reinitialized, or the server is not being spoofed, the risk is not a issue.
53915	3		Resolved	Defer	IP Terminals missing 30 minute chunks of output on large station with lots of output	Under extreme testing conditions where large system with all output groups set to same IP terminal will cause output data loss.
54268	3		Resolved	Defer	Loading Mode Support needs to be updated.	No impact as long as SCCP cards are in service and there is at least one SCCP card for 16 LIM cards. The problem has never been reported in the field.
55330	3		Resolved	Defer	SCCP cards obits if init'd during chg-db:action=repair	If the operator tries to init any SCCP cards while attempting a db repair or restore, these cards will remain out of service until the db commmand hascompleted.
55702	3		Resolved	Defer	ITUI, 14 Bit ITUN , & 24 Bit ITUN (with & w/out Group Code) EGTT GTTSELSelectors should not overlap	Possible user confusion or limitation of feature forsingle 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.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
56012	3		Resolved	No-Fix	Telcordia - FMR: Traffic is prematurely restored when a TRW is not received within T25 of the first link becoming available.	Protocol ViolationAnalysis Criteria: GR-246-CORE, T1.111.4, Section 9.1.If the far end does not send a TRW during T25 (like it is supposed to, if it is restart capable), it may receive traffic before it completes restart procedures.If the TRW is sent during first T25 cycle, all is OK.
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 TSPC2) the IPC is removed RMT-APPL table while the Eagle's TSPC is still in a SS7-IP routing keyIf 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.
56653	3		Resolved	Defer	Check if MUX card type exists in IMT hourly report	Text in the IMT hourly report is misleading if HMUX or HIPR cards are in the system. No impact on the functionality of the Eagle.
56910	3		Resolved	Defer	CANC-CMD on telnet fails with command recall	When trying to cancel a command using the UP arrow to recall "canc-cmd" out of the command history, the user will get "System busy" instead of actually being able to cancel the command. If the user actually types"canc-cmd" into the keyboard, this never happens.
57586	3		Resolved	Defer	User auto logged out double message	None. Message get printed twice in a row, instead of just once.
57819	3		Resolved	Defer	SFTP password error yields Severity 1 message	None. System functions normally, and ATH is expected. Although customer may become alarmed at the ATH.
58065	3		Resolved	No-Fix	Unable to display EOAM measurements in Rel 31.6	Loss of measurement due to bad RTC date
58155	3		Resolved	No-Fix	OAM Meas LRN report missing one entry	LRN count is for the case where there are more LRNs than could be reported for the OAM FTA/kermit measurements. Customer is already missing LRN count due to report truncation and should be using MCP is this case.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
58228	3		Resolved	No-Fix	HC-MIM VxWorks Kernel reboot failure	This problem has not been observed in the HC-MIM even though it is known to possibly exist. If the problem exists and reveals itself, the card would boot without an obit.This has been partially fixed in the release. The card will now generate an obit when the watchdog timer pops, making it obvious that the card has booted. The information in the obit will be of limited utility and not directly related to cause of the failure. The limitation in utility is in debug information that can be used by Tekelec to isolate the root cause of the fault and does not directly impact the running system.This problem has only been observed in the lab, during development, when programming errors have been made. The problem is not known to occur or even known to be possible to occur in current production code.
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.
59512	3		Resolved	No-Fix	Incorrect MTT Error generated for GSMOPTs parameters if G-PORT is off	When a customer tries to provision the GSMOPTs DEFMCC, DEFMNC, EIRGRSP, EIRRSPTYPE, EIRIMSICHK, SRFADDR, SRFNAI,SRFNP, MSRNDIG, MSRNNAI, & MSRNNP, or DEFMAPVR parameters. UAM E4191 is erroneously generated rather than UAM E3991.
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.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
59985	3		Resolved	No-Fix	Telcordia - Duplicate TRWs sent	No effect in customer's network. TRWs are sent on 2 different links to APC due to link alignment order. Adjacent node will simply restart T26 upon reception of 2nd TRW, which is fine during restart.
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.
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.
60593	3		Resolved	Defer	ent-assoc:port=a without port provisioned causes Sev 1	The Sev 1 comes out if the port option is used in the ent-assoc command and the port has not been provisioned.
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.
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.
61696	3		Resolved	Defer	UIM 1311 will not display on a terminal with heavy output	It is a known issue that loss of terminal output can occur under periods of high output.This appeared to occur when the hourly report was generated and was outputting DPC information. No other system impact.
74397	3		Resolved	Defer	Module iprh.c Line 1283 Class 0001 Severity 1	The problem is self clearing after a short while (5 minutes or so), at least on the few occaisions when I observed ith happening, so there is little if any true customer impact.
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.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
74541	3		Resolved	No-Fix	Telcordia - The affected link is not taken out of service when too many errored octets are received in the octet counting mod	A customer's link receiving constant errors once in octet counting mode may not correctly go out of service once 1024 consective incorrect octets are received.
74712	3		Resolved	No-Fix	Investigate DSM CPU utilization during error conditions	When various errors occur, the DSM card application (VSCCP) may not recover as quickly as possible, but that time may only be milliseconds later.
74770	3		Resolved	Defer	RTRV-E1 column alignment off	Cosmetic flaw - no system impact.
82390	3		Resolved	No-Fix	Command Reject E2127 needs to be updated.	Change would improve usability and self-document error without the need for customer reference to Commands error recovery manual.
83640	3		Resolved	Defer	no rept-stat-alm support for TPSSS	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.
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 UIPACEOUTPUT macro	Under extreme 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.
88298	3		Resolved	Defer	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.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
88836	3		Resolved	No-Fix	Table copy error output is misleading	The error output for any table copy failure may show the incorrect text. But the error output will indicate the file and line number of the failure so it can be properly identified.
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		Resolved	Defer	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.
89261	3		Resolved	Defer	IP telnet, trm 20: Cannot login. Receive E2002, Authority Violation	A command that terminates abnormally on a telnet terminal may hang the terminal. The abnormal termination of a command is rare. In fact, attempts to reproduce this problem have been unsuccessful.
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.
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.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
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.
90345	3		Resolved	No-Fix	"s-" indicating Spare Point Code is case sensitive	The ent-dstn:dpcn=S-xxxx-aa command is rejected when attempting to provision a spare point code using a capital "S".
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.
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 CMTMD.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.
96633	3		Resolved	Defer	Card 1113 Module POLLQUE.C Line 731 Class 0001 Severity 1	After running the "rept-meas" command for the UE1 HSL link with type=comp, enttype=link & period=active, the Severity 1 errors were displayed on the console.
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.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
96696	3		Resolved	No-Fix	A small amount of messages are lost during graceful shutdown of multi-link IPGW linkset	In a multiple link IPGW linkset, during graceful shutdown of an application server, there may be a small amount of message loss if the SLK is left active on an IPGW card with no active connections when the last active connection on a mate IPGW card is inactivated. This is due to the fact that MSUs being hopped from the IPGW card with no active connections to the IPGW card that loses its last active connection at approximately the same time will fail to find an active connection to route the MSU. The workaround for this problem is to cancel the IPGW SLK after inactivating the last connection on the card PRIOR to inactivating connectoins to the same AS on a mate IPGW card.
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	SCMUAM trouble when deleting links during collection period	This scenario will result in the failure to output alarms, which would disrupt element management tools such as NETBOSS from accurately depiction alarm status. This would require a re-sync when that mismatch is detected.Note: this would only happen in the case that: - a device has detected an alarm, - queued the alarm to be displayed, - and the device is removed PRIOR to the displaying of the alarm condition.
96860	3		Resolved	No-Fix	ASP status updates	Any conflicting/incorrect ASP state information that may be observed in the rept-stat-as:asname=xxxxx output is corrected and will be reported correctly in subsequent command executions.
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 tbl1049 - SCCP did not route - SS not in MAP tbl1227 - SCCP did not route - DPC not in MAP tbl1230 - SCCP did not route - SS not in MAP tblAt 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.
103267	3		Resolved	No-Fix	rtrv-csl and dlt-csl allow use of PC parameter	No functional impact
103753	3	Y	Resolved	No-Fix	No OAM access when both IMT buses are down	Customer has no visibility of the system status. This is a double fault condition when both IMT busses are faulted and based on the system design there is no way to obtain system status.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
104535	3		Resolved	Defer	SEAS commands limit linkset names to 8 chars	SEAS commands issued for linksets with names longer than 8 characters will be rejected.
104625	3		Resolved	Defer	misleading output on copy-gpl from mo to standby	The first line of output says that the gpl is being copied "ON" the removable. According to the command manual the output should be "COPY GPL: MASP B - COPY STARTS FROM REMOVABLE CARTRIDGE TO STANDBY TDM"
104796	3		Resolved	No-Fix	FIGTTLS: Wrong Parameter Type displayed for GTTSN Parameter in RTRV-GTA command	Misleading info in parser help.
104860	3		Resolved	Defer	Rept-stat-card:loc=:mode=full reports LS clock active even though clock status is not valid	With both clocks down, the rept-stat-card:loc=xxxx:mode=full will show Lowspeed Clock A active. This will be misleading to a troubleshooter
105152	3	Y	Resolved	Defer	Telcordia - The SEAS command VFY-PE retrieves 64 equipped signaling links for non HC-MIM cards	THe VFY-SEAS command is retrieving status which reflects LIM-DS0s that are equipped with 64 links but are not provisioned.
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.The IP Connection unavailable alarm should alert the user that something is amiss, but these may get lost in dirty system.
105482	3		Resolved	Defer	Telcordia - 2.Tekelec did not send the remaining SLTAs after the SIPO period ended for the 1000 ms, 1250 ms, and 1500 ms SIP	During link processor outages, not all SLTAs are being sent on link. It may be that L2 is telling STLC not to send during inhibit state.No impact to customer, as 5 SLTMs with minimal delay during a PO event does not make sense and is not carrying customer traffic
105484	3		Resolved	No-Fix	Telcordia - 4.Tekelec did not send an SIOS after receiving a FISU containing an ABRT followed by 9 224-octet MSUs containing	The Eagle HC-MIM card will remove a link due to reception of errors but no always at the correct time.
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		ReadyTo Test	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-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (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.
105873	3		Resolved	No-Fix	STC card route net table contains 0.0.0.0 entry for one or both interfaces, even if a valid entry is present	No adverse effect in functionality.
105986	3		Resolved	Defer	FIGTTLS- Incorrect value displayed for Spare PC in FTRA on UNIX machine	Incorrect display of point code data via FTRA.
106013	3		Resolved	Defer	L2STATS should differentiate between link failure reason and link status during a BLK-SLK or ACT-LPO	This is just a reporting issue where both the link failure and failure reason report the same status. The output could be made more user friendly and report SIPO for the failure reason in this situation. No other system impact.
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 SIHUTL 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-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
106313	3		Resolved	Defer	IS412GSM parameter allows for large values that can cause unexpected return results	Truncation of digits in IS41/GSM Migration feature is a RN+DN combination is > 21 digits.Standard IS41GSM prefix is 2-5 digits, and DNs are usually 15 digits or less, so this is a non-standard setup.
106477	3		Resolved	Defer	Invalid Return MSU for Unsupported GTI	If GTI=1 is used for ANSI query for a migrated subscriber, the Return Result is garbled.(GTI=1 is not supported)
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.
106617	3		Resolved	No-Fix	SCOPY shouldn't receive a message, if the feature is turned off	This PR has no Customer Impact.
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	ATHSS7.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.
106773	3		Resolved	No-Fix	Ethernet PMC Driver Setting Line Rate failure	The situation described by the PR does not normally occur in a production environment when the card and its links are normally provisioned only once. If this situation were to occur, the work around is to provision the card/links as required and boot the card to clear the condition.
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.
106992	3		Resolved	No-Fix	OAM reports OS Link IS NR	If this double-failure scenario occurs, the card would need booting, which would clear this condition.
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.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
107133	3		Resolved	Defer	Module rmtputl.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.
107142	3		Resolved	No-Fix	OBSR:chg-ls allows gwsa,gwsm,gwsd = ON without specifiying a screen	None.
107153	3		Resolved	Defer	NTPULT.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. The trouble occurs because when NTP server updates do not come to the EAGLE often enough for a sufficiently long period of time (several minutes) and the coarse clock on the ILAs used to check the range valus of the timestamps drift excessively to be accurate. Since timestamps are derived from the TSC clock, they should still be accurate. The problem is corrected once the NTP broadcasts to the EAGLE resume
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.
107966	3	82436	Resolved	No-Fix	LS STAT & NON-ADJ all show ALLOWED but the ROUTE STAT shows PROHIBITED.	The alarm is causing confusion for the customer, because the DPC is passing traffic successfully.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
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.
108248	3		Resolved	No-Fix	E5-ENET TELCORDIA - Module SCMLINK.C Line 2348 Class 01c2 Severity 1	Troubles scrolling the Printer trm.
108252	3		Resolved	Defer	VSCCP card obits after set-time and measurements boundary	If & only if the set-time command is used to change time to xx:59, rather than xx58 can situation occur.
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.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
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 linkinhibited until the expiration of T22 at which time the remote end is expected toinitiate a LLI. This will create temporary one-way signaling relationship on this link.
108337	3		Resolved	Defer	SCCP traffic causes gttdb.c trouble	Constant Severity1 trouble mesages scrolling across the terminal.
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.
108435	3		Resolved	Defer	Multihomed M3UA assoc is dropped due to cable pull in low traffic	At very low uni-directional traffic rates, multi-homed associations may be dropped if the RTIMES/RMIN parameters are not tuned properly.
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
108462	3		Resolved	Defer	TOS4VB - BM & BR corruption impact uninitilized	This is a minor defect in operational software that affects software development in that certain operational errors may not be detected. It does not affect any production software.
108520	3		Resolved	Defer	Telcordia - 34.0 audit - Unexpected TFA Broadcast	Sending unnecessary network management messages results in inefficient use of network resources.
108526	3		Resolved	Defer	SAPC: TFP and TFA not broadcast between ITU-n and ITU-i	Impact depends on behavior of the far-end node. A single node acting with alias in different domains that collapses SNM handling will likely see no impact.If the far-end node depends on network domain specific SNM message handling, then some small amount of secondary domain traffic, associated with the APC domain would be losts when sent and handled by response method TFPs rather than broadcast.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
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	IMPACT: Sending unnecessary network management messages results in an inefficient use of network resources.
108556	3		Resolved	Defer	Telcordia - 34.0 audit - TFR sent when alternate route becomes prohibited. (not an ITU specification)	IMPACT: This results in unnecessary use of network resources and may allow backrouting in this scenario
108559	3		Resolved	Defer	Telcordia - 34.0 audit - Message sent on alternate route prior to sending preventive TFP	Preventive TFPs are intended to prevent circular routing and should be sent prior to sending new traffic.
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.
108683	3		Resolved	No-Fix	FFGLS requires both MapsetID and Primary PC to enter additional PCs	no impact
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.
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.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
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)
108965	3		Resolved	Defer	M3UA - Telcordia - When an AS is already available, Notify messages concerning the AS are not sent to newly-available ASPs.	When an AS is already available, Notify messages concerning the AS state are not sent to newly-available ASPs in the AS. This functionality is not required in RFC 3332, but was added in RFC332-BIS.
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.
108976	3		Resolved	No-Fix	M3UA - Telcordia - ASP Active Acks are not sent in response to incorrect ASP Active messages	None
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.
108979	3		Resolved	No-Fix	M3UA - Telcordia -An "Invalid Stream Identifier" error is not sent when an M3UA message is received on stream 0.	The Eagle does not send "Invalid Stream Identifier" errors in response to M3UA messages received on SCTP stream 0.
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.
109001	3		Resolved	Defer	CPUM on E5-ENET is flaky	On E5-ENET: 1) CPUM reports about 10% more CPU idle for approx 1 hour after it is initially loaded with the IPGHC/IPLHC application. Afterwards, it is accurate and stable. 2) Intermittently, CPUM shows very high (99%) idle values for one report (all samples in cpum -d) and then back to normal.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
109023	3		Resolved	No-Fix	Incorrect Error Code and Length reported in UIM	When an M3UA or SUA message is received at an IPGWx card with an invalid length or parameter size, the UIM reason is "Parameter Field Error" instead of "Protocol Error". In addition, the length specified in the UIM is vague. This may end up being resolved via documentation.
109064	3		Resolved	Defer	OBMRIssue19-OBR4 - 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.
109117	3		Resolved	No-Fix	VxWorks 6.1 - Unexpected delay time before Ethernet Interface is ready to use	Yes, customers could see a delay before data begins flowing any time the card boots or is first inserted in the slot, but that's it. No more delays after the initialization period.
109120	3		Resolved	No-Fix	M3UAIssue08- Telcordia-) SCON messages from ASPs are ignored	Requires an update
109122	3		Resolved	No-Fix	M3UAIssue10 - Telcordia - DUNAs concerning destinations not populated in the routing key are broadcast but not sent via respo	Requires an Update
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.
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.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
109176	3		Resolved	Defer	E5-ENET- TELCORDIA - The E5-ENET card sent an XCOO on the second link after receiving an LSOS, ABORT, or SHUTDOWN message dur	No customer impact. Changeover will occur if processor outage lasts too long.
109214	3		Resolved	No-Fix	Pass sctp cmd displays incorrect state (reachable) while network cable is pulled	SCTP pass command (-a option) will show far end IP address as "REACHABLE" while establishing the connection, even if far end is unreachable. This condition exists for RTIMES*RMIN from the time the connection attempts to connect. PST/SST states for the association are correctly reported as OOS-MT/CONNECTING.Once the association is established, the unreachable network(for a multi-homed association) is correctly reported as "Not Reachable".
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.
109346	3		Resolved	Defer	SCCPiss1 - Telcordia -1. SRM parameter not applicable to shared subsystems. Also applies to MRC.	May cause customer confusion when SRM parameter is allowed to be entered but ignored by actual cards.
109352	3		Resolved	Defer	SCCPITUNiss1firstmsgafterfail - 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	SCCPITUNunequippeduser - 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.
109374	3		Resolved	No-Fix	SUA15part2 -Telcordia - SUT Used TSNs Instead of SSNs to Determine the Order of DATA Chunks	No impact - actual data is not lost.
109376	3		Resolved	Defer	SUA16part2 -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-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (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 gttgta.c, gttdb.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.
109487	3		Resolved	Defer	E5-E1T1 Inh/Alw card causes ports to report yellow alarm until card is reset or another port created	With ports provisioned, if card is inhibited then allowed, some of the provisioned ports may come up with a yellow alarm / Loss of Frame condition. Problem can be cleared by provisioning another port on the same framer (ports 0-3 and 4-7 are on different framers), or by INIT'ing the card. No card reseating is required.Problem was seen on only 3 cards (of 40 in the lab) and is intermittent.The problem only occurs on inhibit/allow.
109499	3		Resolved	Defer	Received module iccmexh.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	NOCLLLI - 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.
109533	3		Resolved	Defer	CHG-GTT does not change the PC/SSN via SEAS - Telcordia - 2. CHG-GTT does not change the PC/SSN	A SEAS command is issued to change a GTT point code and the CHG-GTT command does not change the PC/SSN.
109535	3		Resolved	Defer	chg-gtt&dlt-gtt SEAS - Telcordia - DLT-GTT doesn't verify the PC/SSN before deleting	The DLT-GTT command doesn't verify the PC/SSN before deleting.
109545	3		Resolved	Defer	E5-ENET: Lose traffic during a CO/CB with a cable pull	When the ethernet cable is removed from an IPLIM card, the M2PA signaling link on that interface may congest and discard traffic prior to failing the link and initiating changeover. This can be mitigated by tightening the M2PA (m2pa-tset, T7 <= 1200) and/or SCTP parameters (Rmin < 120, Rtimes < 10), to remove the M2PA link from service prior to the link congesting.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
109611	3		Resolved	Defer	SCTP pass cmd -r does not reset port measurments	The pass command "sctp -r " does not clear the ip datagram counter field for the sctp instance.
109619	3		Resolved	Defer	'Rcvd Msg discard' UIM updates incorrect peg	Some M3UA/SUA messages that are rejected by the Eagle because of an Invalid Routing Context in the received message peg a "PDU Error" counter (pegs retrievable via msucount pass command only) instead of the "Invalid Routing Context" counter.
109685	3		Resolved	No-Fix	Dual slot DCM card will not establish connections	Sigtran is not supported on dual-slot DCMs.
109686	3		Resolved	No-Fix	Dual slot DCM should be able to support 4 associations	IETF is not supported on dual-slot DCMs.
109693	3		Resolved	Defer	TSISBFR.C Line 593 on inhibited IPGW mated cards	IPGWx card in a mated linkset (ie. Linkset matelsn parm is non-null) will boot every minute or so when it is inhibited and its mate IPGWx card is not.
109695	3	Y	Resolved	Defer	Network Surveillance Enhancement feature not working as expected.	The NMA user will be required to enter a \1 prior to all command strings. The NMA user will no longer be able to retrieve extended reports from the Eagle via NMA.The terminal type MGMT will need to be changed to KSR prior to the R32 upgrade
109716	3		Resolved	Defer	IPGWx rejects received M3UA/SUA PDUs having more than 16 routing contexts	M3UA or SUA messages received with more than 16 routing contexts will be rejected with INVALID ROUTING CONTEXT error even if the RC's are valid and configured in the Eagle. It is very unlikely that this will occur in the field as the most RCs we have seen per connection thus far is 2-3.
109763	3		Resolved	No-Fix	MSUTRACE cmd is not tracing a msu based on a PC	The current MSUTRACE implementation only captures received messages that encountered an error during conversion if the default filter is active since it uses the converted (i.e. SS7) message to compare with the filter and if the conversion failed there is nothing to compare the filter with.In this case the message that was sent is not getting successfully converted from M3UA to SS7 by the IPGW recv processing.
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

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
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.
109882	3		Resolved	No-Fix	MTP3Issue04-Telcordia- During changeback, traffic to previously-inaccessible destinations are not restored immediately.	If adjacent node can respond to TFA immediately and begin routing traffic to EAGLE (with no delay) then there may be a small delay on the traffic while link alignment completes.
109883	3		Resolved	No-Fix	MTP3Issue05-Telcordia-Messages are mis-sequenced during time-controlled changeover procedures.	If traffic is arriving from same OPC/SLS on different cards (thus, different links) EAGLE may change order of messages if they must be buffered for changeover/changeback.
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-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (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 = 0but rather silently discards the INIT ACK without sending an ABORT. This is a minor non-compliance to RFC2960.
109896	3		Resolved	Defer	SCTP Init Issues20-Telcordia-11) SUT sent malformed ABORT for an INIT ACK containing host name address parameter	When an SCTP INIT ACK containing a host name address parameter is recieved by the Eagle, it correctly responds with an ABORT, but the ABORT is malformed – it does not contain padding bytes and the unresolvable address contains extra bytes before the address value. This is a minor non-compliance to RFC2960.
109897	3		Resolved	Defer	SCTP Init Issues21-Telcordia-12) SUT sent COOKIE ACK in response to a COOKIE ECHO with an invalid Verification Tag	Eagle does not verify the correctness of all fields in SCTP messages. This has no impact when interoperating with a correct implementation and improves performance.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
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.
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.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
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 INITACK, 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 Issues34Telcordia- 5) SUT resent SHUTDOWN ACK before T2-shutdown timer expired	When the Eagle was in the SHUTDOWN-ACK-SENT state, it retransmitted the SHUTDOWN ACK before the T2-shutdown timer expired.Eagle uses shorter timers than the default RFC timers in order to improve timeliness of events including shutdown.
109911	3		Resolved	Defer	SCTP Init Issues35-Telcordia-6) SUT did not apply the back-off timer rule to Timer T2	When the Eagle was in the SHUTDOWN-ACK-SENT state, and did not receive a SHUTDOWN COMPLETE in response to a SHUTDOWN ACK, it did not double the value of Timer T2. In addition, the STP only retransmitted the SHUTDOWN ACK Association.Max.Retrans -1 times. Eagle supports multiple retransmission algorithms for improved performance. The default does not match the RFC, but RFC algorithm is supported.
109912	3		Resolved	Defer	SCTP Init Issues36-Telcordia-8) SUT sent ABORT with wrong error cause in response to a DATA chunk without the User Data param	There is no impact when interfacing with a correct implementation. If Eagle receives a packet with no user data in error, Eagle will send back the wrong error cause.
109915	3		Resolved	Defer	SCTP Init Issues38- Telcordia - 10 SUT sent ERROR chunk with 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.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
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 GPCNV.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 - PSYSTOT – originated MSU count and octet counts should be the total from all links	SYSTOT originated MSU count and octet counts should be the totaled from all links but instead reported ORIGMSUS and ORMSUOCT. This is limited to IPGW cards only.
110007	3		Resolved	Defer	IPDA: UAM #478 reported rather than #479 for processor congestion clear due link not monitored	Alarm# 477 (Congestion: Copy Function De-activated) may be cleared with clearing alarm #478 (Copy Function Activated) instead of clearing alarm #479.
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. .

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
110038	3		Resolved	No-Fix	LSC4a - M2PA Issue 10 - BSN Not processed in Msu with invalid FSN	No impact. M2PA does not retransmit since SCTP is required to deliver in order. Therefore messages are expected to arrive in order and if this occurs it is a problem with the far end M2PA implementation.
110074	3		Resolved	Defer	E5-ENET GEI Netstat -i pass comand doesn't display duplex or line speed	When troubleshooting the customer cannot tell what the speed/duplex of the ethernet interfaces on E5-ENET are.
110114	3		Resolved	Defer	VXWSLAN: Module vlndlk.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.
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.
110226	3		Resolved	Defer	UIM 1340 is defined as PRGU user group and should be SYSM	There will be no impact to the user except that between 35.0 and the release that this PR is repaired, the UIM 1340 will change user group from PRGU to SYSYM.
110232	3		Resolved	Defer	Card 1207 Module HMCGMGR.C Line 1151 Class 01b1 Severity 1	This ATH is related to Circular route detection modification done for Origin Based MTP routing, where Eagle checks for multiple routesets defined for a given destination. ATH is notifying that an SS& card received a CRD verification message, which is applicable when MOBR feature is ON. One of the scenarios did not have the check for MOBR feature to be ON and was broadcasting this event. This does not affect system functionality, as MOBR is not ON, Only one routeset is really performing CRD test.
110259	3		Resolved	Defer	Pass command "sctp -a " 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.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
110260	3		Resolved	Defer	IPLIM EDCM loses traffic during CO/CB with 150ms RTT and IP packet loss	SSEDCM / IPLIM cannot achieve sustained throughputs at very high RTTs (>~100ms) with large MSUs and when packet loss occurs in the IP network. RTTs supported prior to 35.0 (i.e. > ~70ms) are still supported under these traffic conditions.
110264	3		Resolved	Defer	E5-ENET: Congestion occurs with 0.025% packet loss on IPGHC	Packet loss in the IP network may cause IP connection congestion and potentially traffic loss when SCTP buffer sizes are within specified ranges for the RTT in TR005007. The congestion immediately abates without loss of the SCTP connection.
110286	3		Resolved	Defer	SRI has extra data on the end of message	This problem happens when RN is deleted from a relayed SRI message. When the RN is deleted, tcap length is updated but the total message length is not updated. Hence the message goes out with extra bytes in the very end. The amount of extra bytes is equal to length of RN digits deleted. Since the TCAP length is updated, decoding of this message at the far end should not fail and the extra bytes in the very end would be ignored. This 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.
110296	3		Resolved	Defer	Module OSUTL.C Line 673 Class 01ba with database backup	Minimal impact. The error message will be displayed for an attempted chg-db command, but the database backup completes successfully.
110298	3		Resolved	Defer	M3UAIssue09- Telcordia -IPGWABATE functionality results in slow TFC response	When an M3UA node is sending traffic to Eagle and Eagle attempts to deliver the traffic over a link that is locally congested:1) a TFC/M3UA SCON message is not sent back to the M3UA node for each MSU (ANSI requirement only)2) M3UA DAUD audits for the destination initially report a congestion level that is lower than the outbound Eagle link's congestion level initially but then report the correct cong level (only applicable for ANSI when IPGWABATE is on, not a requirement at all for ITU).
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.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
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.
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		Resolved	Defer	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	No system impact. The EDCM card type is used to distingush between DCM and EDCM. With the new HW information added in Rel 35.0, the EDCM could be reported as a DCM, and the board type information could be displayed in a more detailed report. (i.e. mode=full)

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
110590	3		Resolved	Defer	CSVGENX - RTRV-SID output does not display the correct point codes for GFLEX and GPORT CPCs	SID table CPC for Unix FTRA will be incorrect for GFLEX/GPORT re-route CPCs.
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.PCincluded field properly.
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.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
110634	3		Resolved	Defer	SCTP #8 - Telcordia - "sctp –a aname" reports association name not found when assoc not ESTABLISHED	The pass command, pass:loc=xxxx:cmd="sctp -a aname" reports association name not found if association is not ESTABLISHED even though the association is provisioned for the card. Message should be more informative indicating report is not available when association is not ESTABLISHED.
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.
110687	3		Resolved	Defer	Card 1115 Module FPBUTL.C Line 208 Class 0001 Severity 1 output when card or MASP boots	Only systems that have the 870-2372-08 single slot EDCM assemblies in them will output this trouble.This results in the frame power in a system being calculated lower. Since the power consumption calculation uses max power values for all of the other cards, the inaccuracy caused by missing this card should not be significant.
110762	3		Resolved	Defer	HC-MIM/E5-E1T1 could cause a wd2 time out	Since in a customer system the flash-card command would be used to update all of the card's GPLs simultaneously, this problem is unlikely to be observed. In either case, the card can be inhibited and properly reflashed to remove the issue.
110810	3		Resolved	Defer	Card boots if corruption impact parameter is NULL with corrupt routing wrapper	Development issue only. The nature of the bug is such that it manifests itself immediately if the API is invoked with the corruption impact parameter set to NULL. Existing code in production (SS7HC, SS7EPM, IPLHC and/or IPGHC) does not set the impact parameter to NULL and thus the bug does not manifest itself
111001	3		Resolved	Defer	DLT-TRACE does not delete buffers from LIM cards	This will not impact MSU processing, although the record will appear to be deleted on the OAM, it will not be deleted on the card. The only way to remove these records on the card is to reset it.
111012	3		Resolved	Defer	IPLHC sev 1 trbls when chg-m2pa-tset entered	No impact other than the potential for annoying ATHs from IPLIM cards when executing chg-m2pa-tset command. For the affected links, inactive links will generate this ATH once each time the chg-m2pa-tset command is executed.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
111079	3	TBD	Resolved	Defer	Comments and issues concerning the EAGLE upgrade procedure for 35.0	Upgrade document does not allow for concise upgrade execution.
111081	3	TBD	Resolved	Defer	Comments and issues concerning the EAGLE Health Check Procedure.	Upgrade document does not allow for concise execution.
111082	3	TBD	Resolved	Defer	FPBBIP.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.
111103	3		Resolved	No-Fix	Dual-Slot DCM SS7IPGW does not support 50 TALI connections in Release 35.0	Customers will be limited to 35 connections per dual slot IPGW card running TALI. If the customer needs to provide more than 35 connections, a single slot IPGW card running TALI will be needed.
111111	3		Resolved	Defer	rept-meas from a Telnet terminal does not show which files are sent to FTA	The meas reports would still be generated if they had not existed, however the indication to the IP Terminal that the reports had been created would not be displayed. Also if the reports already existed, and could not be added, the user would not get this indication either.
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.
111172	3	Y	Resolved	Defer	IBNF: Problem with EGMS in R34.0.6: Action "forward" with class1seq=on => message discarded.	MSUs are dropped that should be forwarded in the network. In EGMS, with action = forward and classe1seq=on (in the sccpopts table) messages are not forwarded.
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.
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.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer 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.
111516	3		Resolved	Defer	GFLEX Re-Route MRN entry can't be deleted	While provisioning the SCCP-SERV entry, system doesn't display the MRNSET ID to the user. But while provisioning the GTT entry, if user specifies the MRNSETID and PC which belongs to SCCP-SERV, the reference count is updated when FGTTLS feature is enabled. Eagle shouldn't update the reference count for an MRN entry which belongs to SCCP-SERV.
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.
111673	3		Resolved	Defer	Can not delete all entries in an MRN entity set using individual PCx fields	The user can not delete all entities in an MRN set using individual PCs on the command line. 2 or more entities must always remain when deleting unles the all=yes parameter is used.
111692	3		Resolved	Defer	Congestion Multicast is not validated by receiving card	If a bad TFC message is processed, TFCs will be generated until affected card is initialized.
111696	3		Resolved	Defer	Multicast buffering/transmitting can be interrupted by high priority	Congestion multicasts from high priority, which can cause a multicast buffer to be sent before medium priority completes its processing. While unlikely, it could cause a corrupt multicast to be sent.
111935	3		Resolved	Defer	Response SCONS from local congestion not returned when sockidx is in multiple routing keys	SCON/DUPU messages are not properly transmitted on M3UA/SUA connections when the association is in more than 1 routing key and one of the routing keys contains an OPC that does not match the CPC of the TFC/UPU that is being converted to SCON/DUPU. This can result in network management information never being sent to these associations.
112052	3	Y	ReadyTo Test	Active	HC-MIM Card reporting E1 Unavailable and SLKs are Available	The problem is that we can not be sure if the E1 is available or not - and if E1 is unavailable, the links should be unavailable.

Table RN-11. EAGLE 5 ISS 35.0 Known PRs (10/31/2006) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
112079	3		Resolved	Defer	STP MUST increment the value of the RGLBLSET and updated the EFFDATE/EFFTIME…NPM will not request the new set of register lab	Different errors at the SEAS NPM will be generated under two scenarios:1) Customer upgrades from any release to 34.0.x => additional data found. This is a nuisance, but benign and would clear with an upgrade to 35.x2) During running 34.0.x OR a new install of 34.0.x, uncorrelated data found by the SEAS NPM. The effect is better determined by Telcordia at this point. Upgrades from 34.0.x from this scenario, even though the register set is corrected, would not change without changing the register set id per this PR OR forcing the NPM device to reset after removing the current register set ID. This option is not deemed feasible for many customers.
112170	3		Resolved	Defer	DLT-MRN accepts all=no and behaves as if all=yes is specified	This PR is not a major problem for the system.
112299	3		Resolved	Defer	chg/rtrv-th-sccp references need to be replaced with chg/rtrv-th-alm in customer docs	No system impact; customer confusion when wrong command is referenced.
112367	3		Resolved	Defer	Telcordia - mdbscp.c severity 1 trouble generated when performing ent-map	Trouble only for FFGTTLS application - temporary dynamic MAP entry status
112507	3		Resolved	Defer	MPS Maintenance Manual needs to better define combination alarms	Minor - will be fixed in next release.
112944	3		Resolved	Defer	IPSM card does not release session after IP cable disconnect/re-connect	Cannot log into telnet terminals for up to 2 hours
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.

Table RN-12. ELAP 6.0 Known PRs (03/14/2008)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
113227	2	Y	ReadyTo Test	Active	Mated Pair - UAM 0084 Seen for All DSM at both sites at the exact same time	On two different Eagles, the DSMs were not able to take updates. The IP connections for all the DSMs dropped at the same time on a mated STP pair.
49447	3		Resolved	Defer	Terminated session login button doesn't work in rare circumstances	If Customer is using IP forwarding, has changed the http port to something other than 80, and allows a GUI session to terminate. Attempts to re-login receive an error rather than the login screen.
51782	3		Resolved	Defer	ELAP: NPANXX dropping from 100% to 80% does not drop the alarm on the VSCCP cards	Erroneous alarm does not clear at the Eagle once the NPANXX capacity has been reduced from 100%.
52497	3		Resolved	Defer	DSM cards have trouble loading when RTDB is at Level 0	None. This issue can only occur on a new turn-up prior to data being provisioned on the system and is easily corrected. No production impact.
58206	3		Resolved	Defer	Failed to retrieve NPBs that has the same npanxx from ELAP gui	Customers should use the RTDB->Retrieve Records->Subscriptions menu item or the RTDB->Local Provisioning->Batch Mode menu items instead.
58379	3		Resolved	Defer	RTDB is inconsistent when running audit by time and receiving updates from npac at the same time	RTDB copy would be required to correct inconsistent database. This PR has an extremly low probability of occurrence.
61063	3		Resolved	Defer	ELAP WITH INCONSISTENT RTDB CAN BE MADE ACTIVE	This would cause alarms requiring you reload the DSMs.
61375	3		Resolved	Defer	Browser timeout during local provisioning batch file causes false error- E1025: File lock failed: Could not obtain file lock	Local provisioning batch files must be limited so as to not exceed the time of the browser timeout. Very large locally provisioned batch files would rarely be used as LSMS is normally used for provisioning. Most likely only an issue for a lab test without an LSMS connected.
61818	3		Resolved	Defer	MR, SPID and MRG tables do not cause 100% RTDB full ALARMS	No alarms for 100% capacity of MR, SPID, or MR Group tables on RTDB.
89918	3		Resolved	Defer	Tree balance alarming not correct for TNs	No operational impact. Alarm for tree depth would not be seen until a depth of 54-56 which is later than it should be.
90002	3		Resolved	Defer	Minor RAM Shortage Warning is ignored in ELAP alarms	Alarm not present for minor RAM shortage warning.

Table RN-12. ELAP 6.0 Known PRs (03/14/2008) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
90024	3		Resolved	Defer	ELAP 4.0 displays NOACCS but dsm cards are being updated	Rept-stat- commands temporarily unable to give correct status.
91012	3		Resolved	Defer	Internal Error generated on ELAP after starting a Bulk Download.	No operational impact. ELAP temporarily is unable to provide RTDB status and reports Internal Error.
96390	3		Resolved	Defer	UIDB mysql replication from a to b failing	Replication will not be possible until Tekelec Technical Support recreates the EuiDB.
96620	3		Resolved	Defer	DSM CARDS BOOT WITH PH2 UPDATE TIMEOUT OBITS DURING WARM RESTART (23 Cards)	DSM will automatically cold start, extending the reload time for the affected card(s) by 30 minutes.
96826	3		Resolved	Defer	Maint process core dumps when mysql not running	Minimal impact. Once MySQL is up, normal operation commences.
96925	3		Resolved	Defer	LSMS does not send tcp keep alive to standby jrs	If network failure causes switchover of active HSOP connection from A to B, only a single connection will be established.
99128	3		Resolved	Defer	ELAP drops connection to LSMS for no apparent reason	Connection is automatically re-established and no data is lost.
100682	3		Resolved	Defer	TPD should NOT support SSH Version 1	No operational impact. SSH version 1 connectivity is allowed to ELAP.
103940	3	Y	Resolved	No-Fix	T1100 ELAP upgrade script aborts with rcscheck errors	Missing step(s) in upgrade procedure to verify the server's date/time in relation to the previous upgrade date/time could extend upgrade time.
104018	3		Resolved	Defer	Range Audit from the LSMS Runs at 10.5M / Hour for 120 ms Latency	HS Bulkload performance rates for networks with 120ms latency is approximately 10% below specification.
104406	3		Resolved	Defer	LSMS to MPS bulk load (w/ IPSEC configured) fails to meet PFS performance requirements	LSMS/MPS connections with IPSEC configured experienced a rate of 3.6M/hr versus the PFS performance specification of 4M/hr.
106749	3		Resolved	Defer	ELAP GUI shows the current login time instead of the previous login time	No operational impact. Last login time is incorrect.
107493	3		Resolved	Defer	Bulkload is running slow - 2.85M per hour (70ms/01% latency, no ipsec)	For very large databases, bulkload fails to meet performance requirement at 70ms latency.

Table RN-12. ELAP 6.0 Known PRs (03/14/2008) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
109089	3		Resolved	Defer	"DST" Incorrectly Displayed for First Hour After End of Daylight Savings Time	ELAP GUI footer banner will incorrectly display EDT/CDT/MDT/PDT for first hour after end of DST in 2007 and subsequent years.
110247	3		Resolved	Defer	No alarm displayed when LNP NPANXX table is full	NPA-NXX's entered above the system limit of 300K will appear to be successfully added.
110330	3		Resolved	Defer	DSM Cards take 1 Hour, 13 Minutes to Reload from Cold Start	No impact. DSM cards get loaded a little slower as LSMS is getting 'resynced' slower.
110447	3		Resolved	Defer	syscheck shows minor alarm: 7 instance(s) of httpd running. Only 1 instance(s) allowed!	No operational impact. Customer will see a minor alarm about too many httpd processes. The condition is normal, so customer will have to ignore the alarm.
111062	3		Resolved	No-Fix	ELAP 6.0 - FOA Production Upgrade removes Network configuration	None if operator does not interrupt FSCK.
112888	3	Y	Resolved	Defer	Current provisioning stream not created when ELAP Reboot followed by RTDB copy results in all PVLOGs destroyed.	Customer would have to force standby the active ELAP after the PVLOG has created a cache so the current provisioning stream will communicate with the DSM.
114344	3	Y	Resolved	Defer	Cmd Rej: RTDB returned error code RTDB_RET_AT_LEAST_1_OVR_GTT_REQ	Other than the presence of the reject messages, there are no impacts to the system.
116339	3		Resolved	Defer	Application Process Alarm Minor is generated in Major cycle	Customer may miss or ignore valid minor alarms.
117627	3	Y	Resolved	No-Fix	ELAP: Cmd Rej: RTDB returned error code RTDB_RET_AT_LEAST_1_OVR_GTT_REQ when runnig mass spid update.	Customer is not able to successfully perform Mass SPID update for all LRNs.
119972	3	Y	Resolved	Defer	Audit fails because port 1030 is in use.	Customer is unable to perform audits to that CLLI until the ELAP software is restarted.
121841	3	Y	Resolved	Defer	OGTT w/out services reject during SPID migration	Mass SPID Migration for LRN, for which there is no OGTT defined on the LSMS, will not update the SPID on the ELAP.

Table RN-13. EPAP 7.0 Known PRs (03/14/2008)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
111996	2		Resolved	Defer	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.
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
59355	3		Resolved	No-Fix	EPAP 5.2 out of Spec for Flexible PC Feature for Natl Spare	Convenience issue only, no operational impact.
59659	3		Resolved	No-Fix	DSMs receive IP Unavailable post reload on DSM-B network	No functional Impact. DSMs toggle between IP Unavailable/Available alarms for approximately 3 minutes before stabilizing post reload from the DSM-B network.
59820	3		Resolved	No-Fix	EPAP needs a way to handle 100% alarm	Overallocation alarm could be raised without an accompanying 100% full database alarm.
59907	3		Resolved	No-Fix	Server disk space warning on EPAP's with ~94 mil entries	Disk space warning will be reported at approximately 94 million database entries.
60095	3	Y	Resolved	Defer	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.
60324	3		Resolved	No-Fix	Remove Private PC Functionality from EPAP 5.2 UI	This is an optional parameter, if the p flag is only used in provisioning IPGW for end Office use, then don't provision it.
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.
61526	3		Resolved	Defer	Reload RTDB from PDB does not error out when standby PDB it is loading from goes down.	No error presented to user when remote PDB is stopped during reload from remote. Also the "reload of RTDB from PDB in progress" alarm did not clear.

Table RN-13. EPAP 7.0 Known PRs (03/14/2008) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
61825	3	Y	Resolved	Defer	syscheck verbose indicates "defaultroute: Module is disabled."	No operational impact. False errors are reported by syscheck due to defaultroute disabled message as seen in verbose syscheck. This error should be disregarded since defaultroute is not supposed to be enabled.
74528	3		Resolved	No-Fix	Stopping RTDB software does not "quiesce" database before stopping, resulting in mismatch between cache and RTDB on DSMs.	Updates received after DSM connection is dropped may be lost if RTDB maintenance is performed during software downtime. A simple manual workaround exists which resolves this issue.
74650	3		Resolved	Defer	Both PDBs active after forced switchover	Minimal to none. It was intentionally caused to happen by doing very specific things. Very doubtful that a customer could/would do them.
74705	3		Resolved	No-Fix	Under continuous traffic, RTDB audit will not catch discrepancy or generate alarm	Direct changes to RTDB tables on the filesystem may not be caught.
83531	3		Resolved	Defer	View RTDB status shows internal error.	RTDB process will need to be rebooted once all transaction ids are used.
103215	3		Resolved	No-Fix	VSCCP card fails to warm restart during upgrade to 55.51.0	Tekelec recommends that only 25% of the cards be restarting at any single time; thus, eliminating this issue.
103249	3	Y	Resolved	Defer	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.
103732	3		Resolved	Defer	Automatic PDB/RTDB Backup not scheduling on standby	There is very little customer impact. This condition only exists when no DSMs are attached. Manual backups still work.
104335	3		Resolved	Defer	Epapconfig, Display Config shows loss of config if mysqld restarted	This could cause the Customer to attempt to reconfigure and cause an outage.
104551	3		Resolved	Defer	EPAP- Automatic Backup- Backup not occurring on Standby EPAP when mate server is inconsistent	Automatic backups of PDB and RTDB will not occur unless both EPAPs are operational with healthy databases.
104581	3		Resolved	No-Fix	EPAP- Automatic Backups of large databases wont fit in allocated disk space	With the current disk space allocation on the T1000, only one full 96M database can be backed up locally. The alternative is to backup remotely using this feature.
104725	3		Resolved	No-Fix	Manual Backups should be denied while Automatic Backup is In Progress	Extra disk space may be required if a customer starts a backup manually while an automatic backup is in progress.

Table RN-13. EPAP 7.0 Known PRs (03/14/2008) (Continued)

PR #	Sev	CSR?	Status	Dispo-sition	Title	Customer Impact
104986	3		Resolved	Defer	verifyMM should remain down on both sides while upgrade is occurring	Customer should manually remove the "MySQL data replication error detected; Attempting to restore" message if logs reveal that verifyMutualMaster has run and did not detect any problems.
105046	3		Resolved	Defer	Export PDB to File should deny if full pathname is not specified	If an invalid path/filename is entered, the PDB export will fail without reporting a clear error condition.
105345	3		Resolved	No-Fix	RTDB 80% full alarms do not clear if database size reduced below 80%	The work around is to restart the EPAP software, which will reset the alarm. It is a rare case where the database capacity would decrease on an EPAP system, most likely in a mass deletion activity in the event a customer splits their database. In this event, the software can be restarted to clear the alarm.
105393	3		Resolved	No-Fix	"MYSQL Replication from B to A is Failing" alarm displayed after backout	None, since a script is now provided that clears the problem.
105535	3		Resolved	No-Fix	"MYSQL Replication from A to B is Failing" alarm displayed after incremental upgrade	Interim and minor problem.
105815	3		Resolved	Defer	automaticbackup - alarm not cleared on mate when Backup Type of NONE is selected.	May get valid automated backup alarm that must be cleared manually.
105865	3		Resolved	Defer	Manual import causes repeated "Mate PDB unreachable" and "PDBA connection failure" alarms	During a manual (not automatic) import of a large import file, customer may receive repeated "Mate PDB unreachable" and "PDBA connection failure" alarms from both provisionable nodes.
106034	3	Y	Resolved	Defer	Cannot load DSMs from EPAP-A due to socket issue	DSM cards may have to load from Eagle OAM more than once before GFlex database begins to load successfully.
108685	3		Resolved	Defer	hitting enter after entering IP address on reload RTDB from remote results in blank screen	Pressing enter does not cause a problem, user must re-enter IP address & click button (or use "Back" to get to previous screen).
109429	3		Resolved	Defer	provRMTP core dumps if RTDB being shut down while logs wrap	None, other than the customer may have to clean up core files.
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.