Oracle® Communications EAGLE

Release Notice

Release 45.1

910-6750-001 Revision A

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ORACLE®

Oracle® Communications Release Notice, Release 45.1

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Introduction

This *EAGLE 45.1 Release Notice* includes Resolved and Known PRs for EAGLE Release 45.1, Build 45.1.0-64.81.0.

The *EAGLE 45.1 Release Notice* also includes:

- Generic Program Loads for EAGLE 45.1

- Resolved PRs for Eagle Release 45.1

- Known PRs for EAGLE Release 45.1

- Upgrade Paths

- Eagle Software Compatibility

Release Notices are distributed to customers with a new software release at the time of General Availability (GA) or Limited Availability (LA). EAGLE Release 45.1 is an LA Release.

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

PR Severity Definitions

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

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

How to Locate Documentation on the Customer Support Site

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

1   Go to the **Customer Support site**.

2   Enter your assigned username and chosen password, then click **Login.**

Or, if you do not have access to the Customer Support site, click **Need an Account?**

Follow the instructions on the screen.

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

3 After successful login, select a product from the Product Support drop-down menu (for example, EAGLE 5 shows all EAGLE products after release 34.0).

4 Select a release number from the Product Support Release drop-down menu.

5 Locate the appropriate documentation section (i.e., a Feature or Release Notice would be under **Notices,** and user documentation would be under **Manuals**).

6 To open the documentation in the same window, double-click the document name. To open the documentation in a new window, right-click the document name and select **Open in New Window**.

7 To download the document, right-click the document name and select **Save Target As.**

Generic Program Loads

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

Table RN-1.   GPLs - Build 45.1.0-64.81.0

GPL SYSTEM NAME	VERSION Build 45.1.0-64.81.0
Date Available	12/20/13
ATMANSI	134.81.0
ATMHC	134.81.0
ATMITU	134.81.0
BLBEPM	133.43.0
BLBIOS	133.43.0
BLBSMG	133.43.0
BLCPLD	133.55.0
BLDIAG6	134.47.0
BLIXP	134.80.0
BLMCAP	134.80.0
BLROM1	133.56.0
BLVXW6	134.60.0
BPDCM	134.55.0
BPDCM2	134.55.0
BPHCAP	134.55.0
BPHCAPT	134.55.0
BPHMUX	134.12.0
BPMPL	134.55.0
BPMPLT	134.55.0
CDU	164.81.0
EROUTE	134.81.0
ERTHC	134.81.0
GLS	134.81.0
GLSHC	134.81.0
HIPR	134.58.0
HIPR2	134.69.0
IMT	134.81.0
IMTPCI	134.60.0

Table RN-1.   GPLs - Build 45.1.0-64.81.0 (Continued)

GPL SYSTEM NAME	VERSION Build 45.1.0-64.81.0
Date Available	12/20/13
IPGHC	134.81.0
IPGWI	134.81.0
IPLHC	134.81.0
IPLIM	134.81.0
IPLIMI	134.81.0
IPS	134.81.0
IPSG	134.81.0
IPSHC	134.81.0
MCP	134.81.0
MCPHC	134.81.0
MPLG	164.81.0
OAMHC	134.81.0
PKTGEN	164.81.0
PKTGHC	164.81.0
PLDPMC1	133.56.0
SCCPHC	134.81.0
SIPHC	134.81.0
SLANHC	134.81.0
SS7HC	134.81.0
SS7IPGW	134.81.0
SS7ML	134.81.0
VCDU	164.81.0
VSCCP	134.81.0
VXWSLAN	134.81.0

Resolved PRs

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

Table RN-2 on page RN-7 lists Resolved PRs for EAGLE 45.1.0-64.81.0

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

Table RN-2. Resolved PR for EAGLE 45.1 Build 45.1.0-64.81.0 (12/20/13)

PR	CSR	Sev	Title	Customer Impact
204917	Y	2	Chg-GTT/GTA does not increment the MRNSET count.	The active EOAM's card database is marked inconsistent. The command causing this is aborted and no update occurs. Also the remaining GTT entries pointing to the MRNSET cannot be removed. Please see TN003384.
200033		3	PCT DB commands not validating correctly. dlt wrong entry, accept invalid new entries	
232002		3	Order of DCB mismatch in ath_alm.h and scm_dat.c file	
220205		5	Eagle EIR - Support of S13/S13' interfaces	
221353		5	Eagle - Support of J7 protocol for Japan (ITU national adaptation in Japan)	
231423		5	Support for J7 SRT/SRA messages as per JT-Q707	
231614		5	Configurable J7 pointcode format	
231925		5	CGPCACTION parameter support for all point code types.	
234392		5	Oracle Re-branding: Copyright	

Known PRs

Table RN-3 on page RN-8 lists known PRs for Eagle 45.1

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

Table RN-3. EAGLE 45.1 Known PRs (12/20/13)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
209808		2	Resolved	Defer	cards reporting ddl noxld, ddl unstbl, status and ddl_mgr sev 1 during loading	This problem occurs intermittently (and not always) on a large system after an init-sys command is issued. Problem identification: The state of the application cards (not all) remains "IS-NR DDLunstbl", and can be seen using the rept-stat-card command. The problem can be rectified either by re-issuing the init-sys command or manually initializing the OOS cards in case traffic has started running on the In-Service cards.
225504		2	Resolved	Defer	R45:STC card booted on Module ath_vxw_orpt Line 232 Class 01c3	If monitored links on multiple cards (3 or more) start to bounce, the STC card hosting the return route from the IMF to the network card can congest and boot.
226479		2	Resolved	Defer	R45: MSU loss observed during changeover due to remote link failure on Inter Eagle LInks.	If there are multiple link failures in a link set at the same time, it may be possible to lose some traffic.
230601		2	Resolved	Defer	R45_SIP:SIP card hanged at 2K CPS after few hours of run.	The SIP card will be unresponsive to new traffic and have to be booted to recover.
232060		2	Resolved	No-Fix	Rel_45.1_J7:Tc timer implementation for congestion scenarios	No noticeable impact. This was a suggestion for a better implementation.
233031		2	Resolved	Defer	R45.1:SCCP and monitored traffic loss observed while running traffic at around 9200 TU on an ENET-B IPSG card with Fast copy.	Fast copy may not deactivate in overload conditions before discarding traffic.
234543		2	Resolved	Defer	R45.1:Active E5OAM card is getting booted with obit "ath_vxw_mgr. Line 1743" after executing a invalid CHG-GTA command.	A sequence of commands on entering and trying to change with invalid command causes the OAM to boot.
234657		2	Resolved	Defer	R45.1: ITUN24 srvsel lookups failing	Impacts only GTT provisoned for ITU-N24 (China) selectors.

Table RN-3.   EAGLE 45.1 Known PRs (12/20/13) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
165295		3	Resolved	Defer	IMT MSU retransmission (BICC causing MSU flood)	Little real system impact other than clouding IMT debugging.
166606		3	Resolved	Defer	Module trp_tbl.c Line 1133 Class 01c3 Severity 1	A Sev1 ATH is generated by the TRP module when the Ethernet interface goes down.
167776		3	Resolved	Defer	SSP report issue for ITUN PCs from MCP and OAMHC	The MCP and OAMHC SSP report formats will differ for the ITUN PCs. The MCP report uses the 14-0-0-0 format, but the OAMHC report uses the 3-8-3 format.
168022		3	Resolved	Defer	Missing output terminal messages... Missing/Partial echo messages (E5-OAM and Legacy OAM)	Loss of some output on terminal.
168336		3	Resolved	Defer	MCP Meas:15-min on demand report generated during 2nd and 4th quarter hour LAST period is not correct.	When the 15 minute measurements feature is on, on demand reports for the xx15 and xx45 periods cannot be generated. The reports are generated correctly when scheduled. This problem is limited to E5-OAM Integrated Measurements; MCP is not impacted.
168529		3	Resolved	Defer	TST-IMT command is inconsistent across releases & requires multiple interruptions of the bus.	The new test requires that the bus be taken down twice instead of once as with the prior test. The old test is no longer the default. A new parameter for type was added.
168784		3	Resolved	Defer	IPGWx: Only 1 AS goes active when a mismatched RC received and assoc is prov in multiple AS'es with no RC	If the customer does not provision the routing context or there is no routing context to match the far end, not all associations will go to an inservice state. Provisioning to match the far end will address the issue.
168961		3	Resolved	Defer	smrg_utl.c Sev 1 during daily UI reporting	Sev 1 ATH is only impact. No adverse impact to measurements functionality or reliability
192796		3	Resolved	Defer	IMTPCI Level 1 stats: implementation missing	The IMTPCI GPL is currently missing: - Rx Inv Len - Large Pkt Error - CPU Rx MSU FIFO Full - CPU Rx LSSU FIFO Full - CPU Rx XSU FIFO Full - CPU Rx ASU FIFO Full This could make it slightly harder to diagnose an IMT problem.

Table RN-3.   EAGLE 45.1 Known PRs (12/20/13) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
198267		3	Resolved	Defer	Eagle generated Module tks_time.c Line 927 Class 6000 Severity 1 when FTPing files	A timer(on the OAM) times a response from the FTP_TRNS task(at the IPS card) indicating the reachability of the FTP server from the IPS card. In the current scenario, the timer is not started in the state machine of the FTPT task. When the IPS card responds (PASS/FAIL) to the FTPT task the timer is stopped (which causes the said Sev1 in the PR) and the command proceeds. However, if accidentally the IPS card boots and fails to respond to the OAM, the FTPT state machine can get stuck in its current state, awaiting a response from IPS, affecting further FTRA File retrieval operations.
198394		3	Resolved	Defer	Eagle generated Module imte_err.c Line 7732 Class 01c3 Severity 1	The IMT_Rx_Packet_format_Error stats for HIPR Hourly Buckets A and B are off by one count. In this case the Cumulative stat value is one more than the Hourly stat.
198435		3	Resolved	Defer	Module t4b_bm.c Line 434 Observed on VSCCP Card after INIT-CARD	Card may take a few minutes longer than normal to come back up after initilization.
198490		3	Resolved	Defer	hw_ixp1200_c Line 1653 Class 01cf Sev 1 with ath_vxw.c obit from the APPL side on VSCCP card	Card may take a few minutes more to recover after using init-card than would normally be expected.
198850		3	Resolved	Defer	E5ENET - rm_rte.c Severity 1 reporting frequently	This is an indication that the linkset ID being checked for circular routing is invalid. Since the traffic is allowed to continue processing, there is no operational impact. However, Tekelec should be contacted to determine why the linkset ID is invalid.
198905		3	Resolved	Defer	During upgrade, VSCCP cards booted with Module itx_mgr.c Line 909 Class 0065	The COM side reports an obit occurring at the time when the card is already booting. There is no adverse effect to the flashing operations.
199513	Y	3	Resolved	Defer	LMSURCVDSC register and MSUCOUNT not updated when large MSU exceeding 4095 bytes is discarded	LMSURCVDSC register and MSUCOUNT not updated when large MSU exceeding 4095 bytes and less than 5000 bytes is discarded
199652		3	Resolved	Defer	DCLRFAIL register was pegged to MMR due to 'COO' - Changeover order	ATM links will report MMR rather than COO for a changeover order link state. The protocol works correctly.
199920		3	Resolved	Defer	DDL and SS7_LP Out of Resources Obit on SCCP card following a cold boot	Card may boot twice when trying to come into service.

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
201334		3	Resolved	Defer	R44_E5E1T1B:Severity 1 Module meau.c with 32 links on E5E1T1-B card	A series of Sev 1s indicating an invalid disk access. No meas data is lost, and the meas report is complete.
204371		3	Resolved	Defer	Getting sev 1 from bndr and DB-timeout alarm during copy-disk/copy-tbl cmds and when database is in DB-DIFF/Incoherent	All of these scenarios (Download request while E5 OAM has disk-lock, db incoherent or db-diff) are negative scenarios. Once the initial failure is correct the GWS will be loaded.
205113		3	Resolved	Defer	Alarm "333 DPC Subsystem Normal" is not occurring when ssn is configured and route comes to allowed from prohibited state	DPC 333 clearing alarm is getting missed, but the SSN, DPC and route status are correct.
205625		3	Resolved	Defer	R44:FTRA4.4 -Mismatch in DBTIME parameter value	No operational impact. Only the DBTIME value is incorrect in the CSV output. This is true for all CSV files. The data is correctly displayed.
206610		3	Resolved	Defer	R44:FTRA4.4 - Mismatch of numentries values in rtrv-tt and the actual values present in CSV file	The incorrect value of NUMENTRIES field in CSV output of rtrv-tt command may cause confusion to the user. As a workaround, user can see the GTT Selector entries in rtrv-gttsel output.
207178		3	Resolved	Defer	tDms can page fault when a card is shutting down	Nomally none. However, the card could lock up and require physical reseating.
209229		3	Resolved	Defer	Eagle_44.0-E5SM4GB : Module trp_tbl.c severity observed while physically remove cable from port "A" or "B" E5-SM4G B card.	A severity 1 ATH is observed when Ethernet cable is removed from either port A or B from an E5-SM4G-B card. There is also the obvious impact of losing the connection to the ELAP the cable was providing.
209337	Y	3	Resolved	Defer	R44_SLAN-MFC: SEV1 Module meascdwr.c on Active E5-MASP	5-minute measurements could possibly be impacted
210261		3	Resolved	Defer	R44.0_Mobr-E:Exception routes being provisioned without the route key on IPGW links.	If the routing key for a DPC is not provisioned, the route to the DPC via IPGW link is marked as prohibited and the alternate exception route (or direct route) is used.
210290		3	Resolved	Defer	R44_SLAN-MFC :with two slan cards and SSEDCM (IPLIM) card as receiving client card SLAN trafiic is restricted below its CAP.	UAM does not provide all details correctly. However it does provide the information and alarm for the dropped packets for SLAN.
210549		3	Resolved	Defer	Rel44.0_STC_ENETB: Rept-stat-card:mode=full:loc=<lim> incorrectly shows 'D' for TVG stats when all STC cards are inhibited.	Maybe some confusion as to why denied when in fact there are no service cards. Same information can be retrieved by other commands also like (rept-stat-slan, rept-stat-mfc etc.) which are working fine.

Table RN-3.   EAGLE 45.1 Known PRs (12/20/13) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
211236	Y	3	Resolved	Defer	No UIM when oversize (non-BICC) MSU received on a M2PA link.	System is working correctly. However, this problem makes it difficult to determine why the link went down if the far end does not follow the protocol correctly.
211271		3	Resolved	Defer	R44_IPSG_HT:Command rejected when we are trying to change the card type from enet-b to enet having 4 LS's.	Customer will rarely require downgrading the card from enet-b to enet. If the card is to be downgraded and the sum of maxslktps exceeds 5000, use workaround below to change the card type. Change the maxslktps of all linksets which have provisioned links on that card such that the sum of maxslktp becomes less than or equal to 5000. After that, change the card type from enet-b to enet using the command: chg-card:loc=<loc>:type=enet Again set the maxslktps of linksets to desired value.
211288		3	Resolved	Defer	False alarm - UIM 0096 CARD 1211 SCCPHC "Card has been reloaded"	The system falsely indicates a card reload. This may divert concern from the fact the system operating environment is outside of recommended range.
211431		3	Resolved	Defer	IMTPCI - microcode not counting all MSU's for MFC	MFC counts could be slightly off at very high traffic levels. No operational impact.
211769		3	Resolved	Defer	rept-stat-mfc doesnt show the card in its output if the card is crossed level1 temp	rept-stat-mfc command is not showing the correct status or statistics of a card which is in IS-ANR state because of Level 1 temp threshold crossing. So if problem with MFC occurred during this condition, troubleshooting would be harder. NOTE: Correcting the temperature problem should be the first priority.
211874		3	Resolved	Defer	Misleading MTT Error "E5279 Cmd Rej: MEASPLAT or Integrated Measurements feature must be ON"	Customer may be confused regarding the required prerequisites for the command option to work.
212095		3	Resolved	Defer	Rel_44.0_MCPHC:- SEAS measurement reports don't match the Eagle Measurement reports.	There is difference between GR_310_CORE and what the EAGLE provides via SOIP. However this is the same content as previous releases.
213306		3	Resolved	Defer	Remove MFC Transition timer during ADL Load for MFC MTP3	None.

Table RN-3. EAGLE 45.1 Known PRs (12/20/13) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
213583		3	Resolved	Defer	HIPR and HIPR2 - rept-imt-lvl1 - bug in the MUX part of the report	The MUX stats that are displayed by the rept-imt-lvl1 command get cleared on the hour instead of only when the clr-imt-stats command is issued. Observe the stats frequently to learn if the fields are being incremented.
214270		3	Resolved	Defer	Rel_44.0_STC: Copy function gets de-activated/activated on IPGW cards when an IMT failure is produced in EAGLE.	Small amount of STC traffic loss can happen when substantial traffic load is running and one IMT bus fails.
214323		3	Resolved	Defer	R44_STC:Traffic is not getting copied to the IMF server after booting one of the two server cards.	If traffic on one or more STC cards is running beyond 110% of their advertised capacity (and overall used capacity is below 100% of system capacity), and one or more servers boot (causing overall system traffic to go above 110% on the remaining STC Cards), then fluctuation is observed even when the booted STC cards come up. System traffic does not restore to normal state and will observe fluctuating STC traffic even when capacity is available. To recover from the problem, one will have to wait for the the traffic to reduce to below 80% of the advertised traffic capacity for STC card(s), or add EROUTE cards to increase EROUTE capacity so that less than 80% of advertised traffic capacity is used.
214402		3	Resolved	Defer	High number of UPU cause a loading SCCP card to boot	SM4G and BPSCM SCCP cards could reboot under extreme conditions of subsystem status changes (over 1250 per second).
215214		3	Resolved	Defer	R44_STC:Sev-1 trp_tbl.c Line 1213 and traffic loss observed while switching the copied traffic from one network to another.	There may be traffic loss if the IP networks between the IMF and EAGLE have failovers.
215217		3	Resolved	Defer	R44_STC:Obit adl_mgr.c Line 913,Sev-1 iplk_com.c Line 188 and iplk_utl.c Line 751 and 1309 observed.	Changing the PVN through the chg-netopts command will cause Sev 1s to be reported on E5-STC-B cards. Initializing these cards next will cause adl_mgr.c obit but the card(s) will load and become IS-NR after the obit and start functioning normally. There is no other impact. To avoid the troubles and the extra obit, inhibit the E5-STC cards before changing the PVN and then allow the cards after the PVN is changed.

Table RN-3. EAGLE 45.1 Known PRs (12/20/13) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
215527		3	Resolved	Defer	Rel44_E5ATMB:- E5-ATM (EPM A) card Boots with pmtc_mgr.c Obit	It would take extreme traffic overload with MSU sizes around 27 bytes to see this case. This is unlikely to be seen by customers.
215664		3	Resolved	Defer	Rel44.0_E5ATMB:- Lim(s) have been denied SCCP service observed on E5ATMB card	The GTT traffic on an ATM card would have to average 36 bytes or less and exceed 8000 MSUs/sec to hit this condition. So it is highly unlikely for this condition to occur with valid traffic at a customer site.
215787		3	Resolved	Defer	MMI terminal truncating the hourly reports	The serial terminals will potentially not display the entire hourly reports under heavy UIM/UAM conditions. The Telnet terminals do not exhibit this issue.
216145		3	Resolved	Defer	ddb_mtp.c Line 1402 Class 0001 Severity 1	This only occurs as the extreme upper end of performance (with the smallest size MSUs). If MSU size is increased, this issue is not seen. This makes it highly unlikely to occur in the field.
220521		3	Resolved	Defer	1115 Module scm_lcng.c Line 793 Class 0001 Severity 1 generated during upgrade	The customer may see Sev 1s if SEAS reports are turned on during upgrade.
221301		3	Resolved	Defer	R45:Incorrect 'Reserved for National Use' val for ServiceRelayed MSU processed by SCCP Conversion,GTT action and EGMS	The service relayed MSU generated after performing MAP screening will have NI same as translated MSU NI in case of CNVCLGITU=OFF.
221330		3	Resolved	Defer	R45_SNMP:Severity 1 iplk_utl.c Line 1404 observed on E5MASP card.	Customer may see a few troubles when card is first loaded, or if the dack-ip-lnk command is used for debuging the system.
221437	Y	3	Resolved	Defer	Severity of UAM 329 needs to be changed to minor and should be raised only if at least one IS-ANR SCCP card in the system	UAM 329 is never getting reported under rept-stat-trbl or rept-stat-sccp commands when there are IS-ANR SCCP cards in the Eagle.
222065	Y	3	Resolved	Defer	Need to make Clearing alarms for "XXXX capacity normal, card(s) abnormal" Minor alarms instead.	The display of alarms for the various subsystems is inconsistent with respect to alarm levels.
222067		3	Resolved	Defer	SCCP Service Subsystem Cards Abnormal alarms need to be consistent	Alarms displayed for the various systems are not consistent with respect to level, e.g., major, minor, etc.
222942		3	Resolved	Defer	R45_1M_TPS:rept-stat-iptps cmd o/p not showing correct traffic counts and fluctuating when running high traffic.	This issue is observed only on an unstable system with a large number of UAMs/UIMs/ATHs from the application cards. During this condition rept-stat-iptps could show 0 instead of the correct value.

Table RN-3.   EAGLE 45.1 Known PRs (12/20/13) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
223142		3	Resolved	Defer	EOAM boots every 30 mins with Module ATH_386A.ASM Line 1012 Class 040d obit	If a customer turns on measurements platform, measurements are turned on, and there are no signalling links provisioned, then the E5-OAM will boot. The work around is to build a signalling link. The link or card it is provisioned on does not have to be active.
223158		3	Resolved	Defer	Module mftp_mgr.cpp Line 338 Class 01d0 Severity 1 is observed.	Sev 1 when using the Meas Reset pass command. No adverse impact.
223195	Y	3	Resolved	Defer	R45:Module dmrg_utl.c Line 1393 Class 01c5 Severity 1 observed during inter release upgrade.	This is full-DB upgrade issue, only seen booting into upgrade mode, and has no customer/system impact.
223227		3	Resolved	Defer	R45: CCGT=YES not implemented correctly for CNCLGITU=ON in GTT Action leg	The Forward/duplicate MSU generated will have the CGPA GT information present (TT, GTA) though CCGT is set to Yes which is not expected. Translated MSU generated will have CGPA GT information as expected.
223271		3	Resolved	Defer	R44.0.3_MR: Incorrect NUMENTRIES in rtrv-measopts CSV generated by FTRA	The NUMENTRIES displayed in CSV may be off by one number.
223452		3	Resolved	Defer	Continuous scm_hw.c Sev 1 reports	No adverse impact to system operations other than a Sev 1 every 15 seconds when the wrong card is used. The user could stop these nuisance Sev 1s multiple ways: - Insert the correct card type for the provisioning. - Remove the card/link provisioning for the offending card. - Remove the offending card and perform an OAM switchover.
223456		3	Resolved	Defer	120M EPAP Record Specific Rules & Notes Section Relocation	The "120M EPAP Record Specific Rules & Notes" section in the EPAP Alarms and Maintenance on the E5-APP-B Platform manual seems out of place. It would be better if it were located in either the PDBI or the EPAP Administration Manual.
223479		3	Resolved	Defer	R_45:In secured mode with security parameter ON, Measurement file gets transfered even when path differ	The files are transferred to the directory by using the forward or backward slash matched to the OS.

Table RN-3. EAGLE 45.1 Known PRs (12/20/13) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
223646	Y	3	Resolved	Defer	TTR test msg tool – BCD CdPN TON to NAI conversion is not done for CAP messages before CGPACCCK check	Impact is only for TTR test tool. There is no impact on the real traffic.
223833		3	Resolved	Defer	R45_ExAP: Error counters for REPT-STAT-SCCP are not being incremented when UIM 1074 is displayed	In the case the MSU lands on an unsupported SM (like EPAP MSU on ELAP/GTT card), The 30 sec feature specific stats in rept-stat-sccp will not be updated. These stats can be collected through measurements and similar information can also be gathered from instances of UIM 1074
223919		3	Resolved	Defer	R_45.0 SURV: SCCP EPAP data cards did not change to DB_DIFF state when 240M Split DB FAK is turned ON	The customer would not see the Associated state of DB_DIFF if the critical "90% full" database alarm is present when either the Database went incoherent or the "Database Split' feature was activated. Note: The "Database Split" feature turn on procedures call for each card datatype to be changed from "COMB" to either "DN" or "IMSI", and reload. The db-diff in this case is just a safety reminder in case the user does not complete that process.
224272		3	Resolved	Defer	R45_ST: Severity 1 Module ftpt_mgr.c Line 2208 Class 01c1 5-10 minutes before terminal disconnect	The timeout is an expected occurrence if the server disconnects after the act-ftp-trns command is started. The trouble is just indicating this timeout has occurred.
224373		3	Resolved	Defer	R45_ST: Incorrect header field in CSV file for rtrv-srvsel	Output label is incorrect. Should be "GTIA" and not "GIA". Output is otherwise correct.
224496		3	Resolved	Defer	R45:init-flash command failed to flash BLMCAP cards from 134-055-000 to 090-056-000 and vice versa.	If the card boots while the CPLD is being updated after a new flash image is transferred to the card, the CPLD can be left partly programmed and the card will not come back in service. The window of opportunity for this situation to happen is very small, and would require a second fault.
224642		3	Resolved	Defer	SCCP Class 1 traffic not being paced or flow controlled when sent to originating LIM	In a mix of class 1 and class 0 messages, a card may be overwhelmed by class 0 message routing (Refer PR 224591). Not pacing Class 1 traffic will just add to the problem. In extreme cases the card may boot.

Table RN-3. EAGLE 45.1 Known PRs (12/20/13) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
224688		3	Resolved	Defer	R45_ST: Module seci.c Line 523 Class 01d8 Severity 1 on IPSM card	Sev 1 ATHs flood the UI and then the IPSM card boots. The card returns to normal function after the boot. Note this problem has not been recreated after the 2 times seen in the lab.
224750		3	Resolved	Defer	R_45: E5-SM8G-B card going in DB-DIFF state with alarm "0034 Card database is inconsistent"	Some commands can be entered while the SCCP card is loading which can cause the SCCP card to go into a DB-DIFF state. In those cases the SCCP card should be rebooted. To avoid this, the commands should not be entered while the SCCP card is loading.
224751		3	Resolved	Defer	R_45: checksum error observed after issuing restore command:	There is relatively no system impact, it's just that after the table was replaced, an audit just happened to check that table before the reboot portion of the restore had occurred.
224779		3	Resolved	Defer	R45: After booting IPSG cards Sev 1 Module scm_utl3.c Line 3977 was generated on E5OAM card.	No effect on operational software. Problem is self-healing and the trouble can be ignored.
224879	Y	3	Resolved	Defer	E5-APP-B STP reports EPAP_B as isolated but server is Up and running (similar status on PDB sites after Auto PDB/RTDB backup)	Incorrect status of standby server as isolated may be shown on Eagle STP.
224893		3	Resolved	Defer	The OAM determined that a card failed to load and produces a trouble	A trouble is displayed when an UIM would be best suited to let the user know the card did not load.
224944		3	Resolved	Defer	R_45-SIPNP: Severity 1 "Module SipTU.cxx Line 569 Class 01b4" is observed on SIP card.	Protocol is handled correctly. However this is open to ensure that UIM is added later so user knows what is occuring to help with troubleshooting.
225041		3	Resolved	Defer	While deleting a SIP card, a SEV 1 is observed from ttt_grp.c line 271	Sev-1 is seen only when there is 1 SIP card in the system and when that card is being deleted.
225101		3	Resolved	Defer	ELAP10.0_ST:In a system 18 E5SM4G cards are not coming up with ELAP 10.0	There may be some troubles output on the EAGLE due to the high buffer usage. However there is no impact to downloanding the cards.
225192		3	Resolved	Defer	R45_206814:Dlt-shlf:loc=6200 command shows incorrect MTT E2675.	Error message text is incorrect, but the command otherwise works as intended.
225193		3	Resolved	Defer	R_45-SIPNP: No UIM is displayed on eagle, for truncation of encoded value in contact URI of 302 response.	While the system functions as documented, it would be a good enhancement to have a UIM in case the truncated message impacts a down stream node.

Table RN-3. EAGLE 45.1 Known PRs (12/20/13) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
225295		3	Resolved	Defer	R45_SIP_NP: Eagle is sending multiple 302s for the same INVITE.	If the receive traffic is at or above the rated capacity, there may be queueing delays. If the message delay is long enough (timer G), the SIP card will retransmit with a new branchID per protocol.
225496		3	Resolved	Defer	Sigtran measurement peg-SCPKTSNT counts are not reporting correctly as described in TR005822_ver5.2	Abort packets are not included, which could lead to confusion as other tools include Abort packets.
225497		3	Resolved	Defer	inh/alw-imt causing imt utilization threshold alarm with low volume of traffic running	The customer may experience UAM 28 for 5 minutes upon allowing the IMT Bus with HIPR2s at the 1 Gig rate. (Once UAM 28 is triggerred, it has a timer so that it persists for 5 minutes before it can be cleared, as long as it is the highest alarm.) This alarm does not cause any system performance issues, it just shows there was a high burst for the IMT Bus Utilization rate for the alw-imt command.
225499		3	Resolved	Defer	shelf provisioned as FPB, upgrade fails with error HMUX card is out of service, rept-stat-card shows HMUX Isolated	This will only affect customers that skip a shelf and replace it with an FPB shelf. The user can delete the FPB shelf, perform upgrade, and then re-provision the shelf.
225619		3	Resolved	Defer	R45_206814:Commands getting rejected while deleting a shelf and configuring the Frame power threshold value for EF04 frame.	The user can not provision the frame power for the EF04 frame if there is no 6100 shelf. Also, to remove a shelf in the last frame, the frame power for EF04 must be deleted first.
225624		3	Resolved	Defer	R45_ST:Incorrect GTT Load sharing due to Mapset with an alternate route to MRN set .	If there is an odd number of PCs in the MAPSET, an extra 1% traffic is load shared to one of the PCs in the MAPSET.
225709		3	Resolved	Defer	Meas hourly collection may hang if no SCCPs are in service	Loss of hourly meas reports as well as inaccurate daily reports. This only occurs if ELAP feature is on and no ELAP SCCP cards are in service.
225748		3	Resolved	Defer	Rel_45.0: Severity 1 Module srvc_utl.c Line 1899 Class 01c3 is observed while executing tst msg cmd for MOSMSNPP/IDPR feature	If tst msg command for MOSMSNPP/IDPR feature is used there may be a sev 1 output. This is the only impact.

Table RN-3.   EAGLE 45.1 Known PRs (12/20/13) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
225804		3	Resolved	Defer	E5-OAM will not maintain time over power outage	If the customer loses power or removes both OAM cards at the same time, they will have to reset the system time.
225887		3	Resolved	Defer	Rel_45.0_ST:Severity 1 "icmm_mtp.c Line 1047 ","mfc_mtp3.c Line 2285 ", "mfc_c2a.c Line 411 " are observed.	If running at maximum capacity there could be some troubles output. There is no other impact.
226099		3	Resolved	Defer	R45: Wrong value displayed in the output of RTRV-FRM-PWR command for table capacity.	The table capacity is shown incorrectly. The maximum number of entires is 6 not 10.
226101		3	Resolved	Defer	R45:Wrong value displayed in the frame pwr consumption as well as card pwr consumption field when HIPR2 cards are provisioned	The power budget used for HIPR2 is overstated. The HIPR2 cards actually consume a little less power overall. The error results in the power consumed by the machine being calculated to to be about 3.5 Watts higher per shelf.
226112		3	Resolved	Defer	R_45-SIPNP:SYSTOTSIP register's are not getting pegged, when SIP card is in IS-ANR/MPS Unavl state during cross over time.	Card will not peg measurements when the SIP card is IS-ANR. Since that is the only time this would occur the measurement will be removed.
226326		3	Resolved	Defer	R45: SNM-DAUD traffic getting dropped while changing the MAXSLKTPS value of a SLK.	The M3UA client will resend DAUDs periodically for destinations it has marked as unavailable in its DB. Thus, if the Eagle (the server side) discards some DAUDs, the client will repoll for updates.
226413		3	Resolved	Defer	Extension Frame EF-01 Numbering Plan Omitted from Hardware manual	Unknown Extension Frame information could cause confusion and mishandling of hardware.
226575		3	Resolved	Defer	SIP cards are appended to the SCCP application cards during network conversion (Phase 3) portion of Upgrade.	SCCP cards do not upgrade in a way that TPS capacity is above peak TPS. This issue only occurs during upgrade.
226979		3	Resolved	Defer	ATMHC links validation should check 3 Links Per E5-ATM card FAK	Grouping of ATM cards with three links during Upgrade may not be optimal.
227063		3	Resolved	Defer	in phase 3, act-upgrade command attempts to reflash MUX cards if the command is re-entered after failure	May do an extra upgrade of MUX cards causing the upgrade to extend.
227440		3	Resolved	Defer	R45:Rtrv-stp:display=power:frm=cf00 command shows incorrect card location for E5-OAM card.	Location for OAM card at location 1115 will be shown as 1114. This could cause some confusion.

Table RN-3. EAGLE 45.1 Known PRs (12/20/13) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
227457		3	Resolved	Defer	MFC SCCP does not use RTDU to validate messages	The customer impact is limited because 1. no functionality on the SCCP is being affected 2. RTDU is being used from SCCP to LIM card (it's just not being used from LIM to SCCP card)
227478		3	Resolved	Defer	none is missing as valid range from E2591 and E2363	Potential confusion due to missing of "none" from valid range of E2591 and E2363.
227578		3	Resolved	Defer	Meas Sev 1s after set-time	The Sev 1s indicate that the collection sequence has been disrupted. The 60-minute and/or 30-minute data may be inaccurate for the period in which the Sev 1s occur.
227626		3	Resolved	Defer	Watchdog timeout may fail to reset a card	When/if an operation results that should be aborted by a card reset, the fail safe mechanisms created may not operate and an init-card command will have to be issued.
227779		3	Resolved	Defer	13.6K SCCP TPS: Issues seen during sccp overload testing	Card will shed overload traffic as expected. However there may be sev 1 trouble output in overload conditions.
227929		3	Resolved	Defer	dact-cmd does not work for published commands	The customer can use the <F9> key instead. Also canc-cmd will work.
227997		3	Resolved	Defer	Module ath_vxw obit has been observed while performing warm boot with serial=yes	In this case a couple of cards in a large group double booted and cold started when they should have warm started. This can cause longer recovery time due to full database reload.
228093	Y	3	Resolved	Defer	Module mfc_dist.c Line 1720 Class 01c3 Severity 1 observed during upgrade phase 3	The variable is reading before the new code is fully loaded. Sev-1 automatically stopped after reload of card with Target release.
228181		3	Resolved	Defer	HIPR2 - MFC byte counts corrupted when executing "extended BERT test"	Performing the Extended BERT test on a HIPR2 equipped bus will corrupt memory values on which MFC relies on to operate properly. Init the bus on which the extended BERT test was run. i.e.: init-mux:bus={a,b}. The bus is already inhibited for the BERT test and this operation is easy to perform at that time.
228217		3	Resolved	Defer	R_45-SIPNP: for multiple 302, we cannot see multiple pegging of RDRCTSENT register in output of SYSTOTSIP report.	The issue is seen only for retransmissions.

Table RN-3.   EAGLE 45.1 Known PRs (12/20/13) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
228672		3	Resolved	Defer	R_45-SIPNP:261 *C MPS ELAP-A MPS unavailable appears,when we have all SIP cards provisioned as EPAP.	Scenario is highly unlikely in that once a node is configured with EPAP or ELAP, services will only be added and not switched. But, if they are (ELAP deprovisioned and EPAP provisioned), a critical alarm will be raised for the missing service. The alarm can be cleareed by booting the OAM.
228750		3	Resolved	Defer	R45_E5E1T1-B: Unexpected MTT Error with chg-t1:t1tsel=recovered	An attempt to change the t1tsel to 'recovered' for a t1port already configured as channel bridged with timing source 'external' results in the command being rejected with the MTT error- E3488. This is incorrect since the port's timing source is not allowed to be set to 'recovered'. Workaround: specify chanbrdg=on in the same command.
228815	Y	3	Resolved	Defer	Severity from meascdwr.c Line 378 is generating continuously at 10 minute interval	The Sev1s are being generated at every 10 minute interval, therefore they are filling the Trouble queue and potentially masking "real" problems. This can be avodied by not issuing set-time with new time in the 5 minute boundary.
228879		3	Resolved	Defer	Rel_45_E5E1T1-B: Incorrect MTT error – E2376 with act-lbp cmd for invalid card locations on Eagle.	Error message is not exactly as documented in the customer manuals but it is still sufficient to inform the operator of the reason why the EAGLE rejects the command.
228925		3	Resolved	Defer	E3861 should be obsolete	No impact. This error message is no longer used since OAP is obsolete.
228954		3	Resolved	Defer	SLSTRACE for MSUs processed by SLSCNV feature prints same SLS value for incoming and Calculated SLS values	SLSTRACE will reflect true originating SLS and not computed value.
229107		3	Resolved	Defer	Eagle 45: IMEIBlk Version is being displayed at eagle side.	This is a cosmetic issue. The IMEI block version number from GUI or PDBI is neither provisionable nor affects message processing. It takes 0 as a default value. The output of the rtrv-data-rtdb command shows this default value when it shouldn't.
229525		3	Resolved	Defer	R45_1M_TPS:Total system TPS exceeded alarm observed in incorrect scenario.	Once the maximum capacity of 1M TPS has been provisioned in the system, the operator will be unable to add links to existing link sets.

Table RN-3. EAGLE 45.1 Known PRs (12/20/13) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
229569		3	Resolved	Defer	Rel-45.0.0-64.69.1 FTRA :We are getting extra entries in csv file for command rtrv-gta.	The rtrv-gta command output as exported as CSV reflect an empty NUMENTRIES parameter.
230108		3	Resolved	Defer	R45_SIP: Blank Line in ACK message consuming extra CPU.	This is an invalid message, so it should not been seen by a cusotmer. However if such a message is received (request line of CR/LF or 0x0d0a), the SIP card would eventually discard it.
230490		3	Resolved	Defer	OAM system buffer leak	For normal operation there is no impact as the buffers are just held for a long time. There may be some buffer leaks for debug commands.
230513		3	Resolved	Defer	R45_SIP:Threshold Level 1 alarm seen on SIP card at 1300 TPS.	Over time, memory becomes fragmented causing the SIP library to believe it is running low on memory. The SIP library will then erroneously post congestion alarms.
230522		3	Resolved	Defer	SIP card boots on high traffic.	Reduced performance under abnormal conditions, e.g. blank lines in ACK or INVITE. Card may boot.
230808	Y	3	Resolved	Defer	rept-meas getting rejected with error code E2303 (Unknown LSN) for an existing linkset with no links on it	Current error message "E2303 Cmd Rej: Unknown LSN" for a linkset which already exists (though with no links provisioned for it) is misleading.
230842		3	Resolved	Defer	R_45-SIPNP:Isolated SIP card displaying TPS and PTPS, when no traffic is running from sipp tool.	Commands will incorrectly show counts for cards that should be zeroed.
230852		3	Resolved	Defer	System buffer leak in PVDLV	Cumulative effect of a buffer leak may result in SCCP card obit. This particular leak is small and does not present a threat to card stability or reliability.
230876		3	Resolved	Defer	R45_1M_TPS: SLAN server card booted up with obit Module pmtc_mgr.c Line 521 Class 0240, when over loaded.	In extreme overload conditions it is possible for the SLAN card to boot. This is due to a traffic burst in the range of milliseconds.
230877	Y	3	Resolved	Defer	Rept-stat-clk is not reporting HS clock usage on a ATM card if the link that uses HS clock is one other than link A	rept-stat-clk incorrectly reports HS clock usage of ATM cards. Command may not report actual number of ATM cards which use internal or external HS clock source for links.
230951		3	Resolved	Defer	R45_SIP: Warning is not pegged in the output of rept-stat-sip command, when TEL URI is of more than 30 digits.	Measurements won't reflect the processing of this SIP message.

Table RN-3. EAGLE 45.1 Known PRs (12/20/13) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
230958		3	Resolved	Defer	R45_1M: Severity 1 Module hmcg_mgr.c Line 3470 observed when links were in congestion for few hours.	This trouble is indicating problem with the congestion. Traffic is being discard per protocol due to congestion. No other impact was identifiable.
231374		3	Resolved	No-Fix	Rel_45.1_J7:rtrv-scr-aftpc command shows unexpected behaviour.	Expected behavior - Not a problem.
231484		3	Resolved	Defer	R45-E5E1T1B:Lim denied SCCP service observed for E5E1T1-B/E5E1T1 with 40 bytes MSU even at below the card supported limits	defering to 46 as that is when this card is supported
231613	Y	3	Resolved	Defer	Associations deleted from system in past still appear in the comp-sctpasoc CSV reports	Additional entries which are not currently provisioned in the Eagle will appear in the measurement reports with a status of "N". However there no actual impact due to this issue as measurements for the currently provisioned entities are accurate. As a workaround we can either reseat or cold reboot (send-msg:ds=8:da=h'17:f=22:loc=<mcp>) both MCPMs cards together. Please note that init-card won't help as currently it will not refresh the meas tables on MCPM card.
232111		3	Resolved	Defer	R45.1:Unable to distinguish different domain same point code Alarms.	If the customer using both N24 and ANSI and have the same point code in each, it is not possible to tell which point code the alarm is from. The user must do a rept-stat- on both point codes to determine which has an issue.
232117		3	Resolved	No-Fix	R45.1_S13:Traffic is running more than the MAXTPS set for a Diameter connection.	No system impact - rounding errors and minor difference between the measured and configured MAXTPS for a Diameter connection
232292		3	Resolved	Defer	J7 updates for SCOPY	IMF/PIC can't be used for ITUN16 traffic.
232365		3	Resolved	No-Fix	Rel_45.1:J7:E2011 Cmd Rej:Missing mandatory parameter-gti/gtia/gtii/gtin/gtin24/gtiis/gtins/,needs to be updated with gtin16	Only a limited number of characters are displayed for this error code, but it gives enough indication as to why the command got rejected.
232377		3	Resolved	No-Fix	Rel_45.1_J7:SRT messages with wrong pattern value is being acknowledge by Eagle with a SRA.	The Eagle will respond with a SRA to any SRT regardless of the test pattern. So validation on the test pattern of SRT/SRA messages will not work as desired.

Table RN-3. EAGLE 45.1 Known PRs (12/20/13) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
232525		3	Resolved	No-Fix	Rel_45.1_J7:we are able to configure ITUTFR parameter using chg-ls for ITUI linksets.	No impact on traffic. This parameter should not be made available to ITU-I link sets.
232728		3	Resolved	Defer	Eagle is not reporting any RTDB related alarm when RTDB levels on DEIR cards are not same	Eagle is not alarming RTDB inconsistency on DEIR cards.
232731		3	Resolved	Defer	rept-stat-deir - per DEIR connection TPS display issues	The operator must use multiple commands to get per connection statistics one connection at a time.
232904		3	Resolved	Defer	Rept-stat-mps is displaying the status of SCCP cards and its ports which are not using MPS functionality	Rept-stat-mps is displays the status of SCCP cards and its ports that do not use MPS functionality.
233027		3	Resolved	Defer	R45.1: Alarm "0590 Fast Copy Application De-activated" is not getting cleared even if the Fast copy port status is activated.	The alarm for automatic fast copy deactivation under load may not get cleared even when the load is reduced. Card may have to be reset to clear the alarm.
233074	Y	3	Resolved	Defer	EAGLE is not allowing to turn ON measurement collection without link	Customer not able to turn ON Integrated Measurements collection function without provisioning at least one link in the STP.
233181		3	Resolved	Defer	R45.1_J7:FTRA4.5 - Mismatch of num entries and max entries values in rtrv-stpopts and actual values present in the CSV file.	The number of entries displayed will be off by one (less) when the SCCP CNV feature is turned on.
233383		3	Resolved	Defer	IMT-LVL1 status report error (shows invalid number of HIPR2's in the system)	The OAM shows an incorrect number of MUX cards when shelves 6200 and/or 6300 are provisioned to install E5-APP-B cards. The OAM shows (#shelves x 2) MUXes, which is incorrect.
233384		3	Resolved	Defer	imt-lvl1 stats report - summary of peak values is summing results from all shelves	The stat is showing the sum of peaks of all ten 100 msec periods for which peak values are collected, instead of the highest value of the 10 buckets. This makes it look like the IMT was busier than it really was.
233516		3	Resolved	Defer	False UIM generated at thermal threshold level 1 on DEIR card.	There may be confusion as to the availability of the card. However the card's status is reported correctly in rept-stat- and looking at IMT stats.
233522		3	Resolved	Defer	R45.1:Severity 1 ipsg_m3ua_sl Line 1768 Observed when an IPSG-M3UA link went into congestion.	No operational impact as the protocol is working correctly. Just maybe some operator concern as the system outputs a trouble during congestion.

Table RN-3.   EAGLE 45.1 Known PRs (12/20/13) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
233523		3	Resolved	Defer	Rel_45.1:J7: processor outage message is getting accepted and processed on J7 Node.	System will be in process outage after receiving LPO from remote and clear outage after receiving LPO clear from remote.
233555		3	Resolved	Defer	DEIRHC card does not show DB_DIFF when EPAP connection is lost	No DB alarm is raised when DEIR cards have different RTDB levels or become disconnected from the ExAP (meaning possibly old/stale or unupdated data on a SM).
233591		3	Resolved	Defer	R45.1:UIM 1256 "NP Circular Route Detected" not coming for INPQ messages/service when circular route is detected.	The operator won't get a UIM if this occurs. However, the message is being processed correctly, and the error is being pegged, thus the operator can check for aggregate errors.
233598		3	Resolved	Defer	R45.1_J7:FTRA4.5 - Mismatch of num entries in rtrv-dstn and actual values present in the CSV file.	rtrv-dstn shows an incorrect count of the number of entries.
233637		3	Resolved	No-Fix	R45.1: Not able to delete MAP entry with PCA as SID and SSN as a value which is not being referenced in SS-APPL table.	No impact. Additional command safe required to delete the unnecessary entries.
233639		3	Resolved	Defer	Rel_45.1:average CPU usage per service for INPQ service is showing as 0 (zero)	While the metric is incorrectly reported, there is no impact as the customer cannot do anything with this data. The metric should have been removed.
233714		3	Resolved	No-Fix	R45.1:Severity1 mfcfcmgr.c observed on various cards during Upgrade phase3 from upgrade pathR44 to R45.1	No impact. This is a transitional state during the upgrade procedure which automatically clears.
233715		3	Resolved	Defer	Rel_45.1_J7:In domain crossing scenario, CDPC left as in incoming message, when CGPCOGMSG=cgpcicmsg and USEICMSG=off.	There is a specific case for Forward/Duplicate GTTACTION legs having USEICMSG=off, a UDTS will be generated due to the message being incorrectly discarded.

There is a specific case when when CGPCOGMSG=cgpcicmsg and USEICMSG=on, the CgPA in MSU is not updated as expected in forward/Duplicate leg GTT action MSU. |
| 233955 | | 3 | Resolved | Defer | R45.1:Corrupted PC is displayed in MTCD-SSP report generated via REPT-MEAS cmd when only TIF Range CgPN Blklist feature is ON | The very first entry of the FTA report is corrupted. |

Table RN-3. EAGLE 45.1 Known PRs (12/20/13) (Continued)

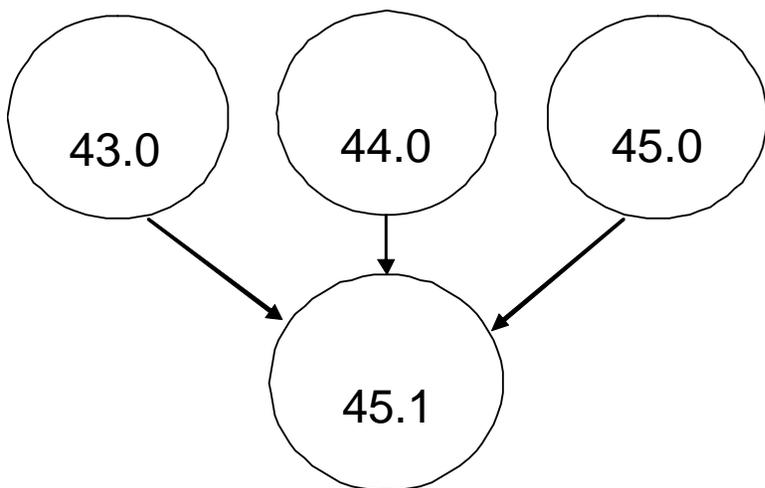| PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
234086		3	Resolved	Defer	R45.1:Sev 1 Module tk_hcblade_u Line 2319 Class 01c3 seen on E5OAM when its allowed from inactive prtn.	There is no system impact when this severity occurs.
234090		3	Resolved	Defer	Rel_45.1_J7: CGPC is not getting updated from CGPA GTA translation, which is defined in case of FORWARD/DUPLICATE GTTACTION.	MSU's CGPC will not be updated correctly with crossing network domains and forward GTT ACTION parameter CGPCOGMSG=opcicmsg and CGPA-RI=GT.
234165		3	Resolved	Defer	Rel_45.1_J7: CSPC functionality not working for SSP/SSA received for J7 remote SSN	SSA/SSP won't be forwarded to the CSPC table members.
234167		3	Resolved	No-Fix	R45.1:Junk Value getting displayed in mtchdeirsys and mtcddeirsys reports after doing an intra upg from 64.72.0 to 64.79.0	This upgrade path is not possible in the field hence there is no customer impact.
234353	Y	3	Resolved	Defer	modification required in IP7 Secure Gateway document(910-6672-001 Revision A)	Default buffer size is shown as 16 when it is 200.
234356		3	Resolved	Defer	R45.1:FTRA4.5 - Mismatch of num entries in rtrv-ls and actual values present in the CSV file.	The report miscounts the number of entries. Otherwise, all data is present in the report.
234412		3	Resolved	Defer	Possible wild write and grant count not refreshed	If using TVG and a link fails, during traffic rerouting, the grant count for an incorrect entry in the linkset dynamic data could be written.
234507	Y	3	Resolved	Defer	15 minutes measurements reports with E5-OAM Integrated shows Incomplete status	The measurements data is correct. It is only the status flag that is incorrect
234540		3	Resolved	Defer	R45.1:FTRA4.5 - Mismatch of num entries in rtrv-SLK and actual values present in the CSV file.	Report data is correct except for the NUMENTRIES displayed.
234557		3	Resolved	Defer	Integrated Measurements failed during upgrade to 45.1	Integrated measurements will not collect data during the upgrade.
234596		3	Resolved	Defer	R45.1:R-S-ALM and R-S-TRBL counts do not match for critical alarms after turning on 240M Split DB feature.	Turning on the Data Split feature would not allow an existing alarm to be cleared out connected to the EPAP SCCP subsystem device control block.

Table RN-3. EAGLE 45.1 Known PRs (12/20/13) (Continued)

PR #	CSR?	Sev	Status	Disposition	Title	Customer Impact
234833		3	Resolved	Defer	IPSG-M3UA SLK not auto recovering	This could occur if ICMP messages were blocked in the path - that is, path MTU discovery was disabled. Then, if a frame larger than MTU was sent, subsequent heartbeats could reset the path/association error counts such that the frame is 'stuck' in the card's transmit buffer and the association would never be taken down for exceeding allowable retries. Subsequent new data received from the upper layers to be transmitted would be held in the transmit buffer, eventually causing the association to congest, with L3 then attempting to recover (taking down the link but not the association). Operator interaction would then be required to manually recover the link.
234919	Y	3	Resolved	Defer	Add description for UIM 1349 in Unsolicited Alarm and Information Messages manual	The UIM is missing from the manual so customer may be confused.
234986		3	Resolved	Defer	The output from SEND-MSG for correcting the MRNSET count conflicts with Statue (REPT-STAT-xxx) commands.	The output of the send-cmd used for PR 204917 may be redirected to the wrong terminal. The send-msg will still operate as intended, but its output (success or failure) may find its way to an undetermined terminal and the operator will not be able to see it. To avoid issues the operator should refrain from entering any other commands from different terminals when the send-msg command is still in progress.
235072		3	Resolved	Defer	R45.1-SIPNP: MTT E2046 observed on "ent-sip-npp" and "chg-sip-npp".	SIP is not usable in 45.1

Upgrade Paths

Figure RN-1 on page 28 illustrates the upgrade paths to Eagle 45.1.

Figure RN-1.   EAGLE 45.1 Upgrade Paths

Product Compatibility

Table RN-4 on page RN-30 shows EAGLE 45.1 compatibility with other related products.

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Table RN-4. Eagle 45.1 Compatibility with Other Related Products

Product	Release	Compatibility
ELAP	7.0	NC
	8.0	NC
	9.0	NC
	10.0	NC
LSMS	11.0	NC
	12.0	NC
EPAP	13.0	PC *
	14.0	PC*
	15.0	FC
E5-MS	45.0	PC**
EAGLE EMS	EAGLE EMS 42.0	NC
	EAGLE EMS 43.0	NC
	EAGLE EMS 44.0	PC***
FTRA	4.3	NC
	4.4	PC
	4.5	FC
ECAP	40.1	NC
	41.1	PC****

NOTE: Eagle 45.1 customers should upgrade their other products to the Fully Compatible releases identified in the table above.

FC - Fully Compatible

PC - Partially Compatible- compatible but not fully functional (feature dependent).

NC - Not Compatible

* Feature limitations. Migration or upgrade to EPAP 15.0 is recommended.

** Alarms, counters, measurements or commands introduced in Release 45.1 are not supported by E5-MS Release 45.0, but all core functions are available.

*** Untested but partial compatibility inhereted from Release 45.0 compatibility matrix.

**** CDR ITU 16-bit point code format introduced in Release 45.1 (Japanese point code format) is not supported by ECAP Relese 41.1.