Oracle® Communications EAGLE
Release Notes

Release 46.0

E54332 Revision 5

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ORACLE®

Oracle Communications EAGLE 46.0 Release Notes

Contents

Introduction

This Release Notes lists the following for EAGLE Release 46.0:

- Generic Program Loads for EAGLE Release 46.0, Build 46.0.0-65.26.0, Release 46.0.1, Build 46.0.1-65.26.26, Release 46.0.2, Build 46.0.2-65.26.28, and Release 46.0.3, Build 46.0.3-65.26.29.
- Resolved Bugs for EAGLE Release 46.0, Release 46.0.1, Release 46.0.2, and Release 46.0.3.
- Customer Known Bugs for EAGLE Release 46.0
- Upgrade Paths
- Eagle Software Compatibility

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

Directions for accessing key Oracle sites and Services are also identified in the *Oracle References and Services* section.

Severity Definitions

The problem report sections in this document refer to Bug severity levels. Definitions of these levels can be found in the publication, *TL 9000 Quality Management System Measurement Handbook*.

Problem Report: A report from a customer or on behalf of the customer concerning a product or process defect requesting an investigation of the issue and a resolution to remove the cause. The report may be issued via any medium. Problem reports are systemic deficiencies with hardware, software, documentation, delivery, billing, invoicing, servicing or any other process involved with the acquisition, operation, or performance of a product. An incident reported simply to request help to bring back the service or functionality to normal without the intent to investigate and provide a resolution to the cause of the incident is not a problem report.

- Critical: Conditions that severely affect the primary functionality of the product and because of the business impact to the customer requires non-stop immediate corrective action, regardless of time of day or day of the week as viewed by a customer on discussion with the organization such as
1. product inoperability (total or partial outage),
2. a reduction in the capacity capability, that is, traffic/data handling capability, such that expected loads cannot be handled,
3. any loss of emergency capability (for example, emergency 911 calls), or
4. safety hazard or risk of security breach

- Major: Product is usable, but a condition exists that seriously degrades the product operation, maintenance or administration, etc., and requires attention during pre-defined standard hours to resolve the situation. The urgency is less than in critical situations because of a lesser immediate
or impending effect on product performance, customers and the customer's operation and revenue such as
1. reduction in product's capacity (but still able to handle the expected load),
2. any loss of administrative or maintenance visibility of the product and/or diagnostic capability,
3. repeated degradation of an essential component or function, or
4. degradation of the product's ability to provide any required notification of malfunction

- Minor: Other problems of a lesser severity than 'critical' or 'major' such as conditions that have little or no impairment on the function of the system

- Minor, No Loss of Service: Oracle severity beyond what is defined by TL 9000.

The numbered severity levels in the tables below correspond to these definitions:

- 1 - Critical
- 2 - Major
- 3 - Minor
- 4 - Minor, No Loss of Service

Generic Program Loads

Table 1. lists the latest Generic Program Loads (GPLs) for EAGLE 46.0, 46.0.1, 46.0.2, and 46.0.3. When multiple builds are listed, GPL versions that changed from the previous build are indicated.

Table 1.   GPLs - Builds

GPL SYSTEM NAME	VERSION Build 46.0.0-65.26.0	VERSION Build 46.0.1-65.26.26	VERSION Build 46.0.2-65.26.28	VERSION Build 46.0.3-65.26.29
Date Available	8/5/14	5/19/15	12/23/15	2/12/16
ATMHC	135.26.0	135.26.23	135.26.27	135.26.27
BLBEPM	133.43.0	133.43.0	133.43.0	133.43.0
BLBIOS	133.43.0	133.43.0	133.43.0	133.43.0
BLBSMG	133.43.0	133.43.0	133.43.0	133.43.0
BLCPLD	133.55.0	133.55.0	133.55.0	133.55.0
BLDIAG6	135.22.0	135.22.0	135.26.27	135.26.27
BLIXP	135.22.0	135.26.21	135.26.27	135.26.27
BLMCAP	135.24.0	135.24.0	135.26.28	135.26.28
BLROM1	133.56.0	133.56.0	133.56.0	133.56.0
BLVXW6	135.22.0	135.26.21	135.26.27	135.26.27
DEIRHC	135.26.0	135.26.23	135.26.27	135.26.27
ERTHC	135.26.0	135.26.23	135.26.27	135.26.27
GLSHC	135.26.0	135.26.23	135.26.27	135.26.27
HIPR	135.22.0	135.22.0	135.22.0	135.22.0
HIPR2	135.15.0	135.15.0	135.15.0	135.15.0
IMTPCI	135.22.0	135.26.21	135.26.27	135.26.27
IPGHC	135.26.0	135.26.23	135.26.27	135.26.27
IPLHC	135.26.0	135.26.23	135.26.27	135.26.27
IPSG	135.26.0	135.26.23	135.26.27	135.26.27
IPSHC	135.26.0	135.26.23	135.26.27	135.26.27
MCPHC	135.26.0	135.26.23	135.26.27	135.26.27

OAMHC	135.26.0	135.26.26	135.26.27	135.26.27
PKTGHC	165.26.0	165.26.23	165.26.27	165.26.27
PLDPMC1	133.56.0	133.56.0	133.56.0	133.56.0
SCCPHC	135.26.0	135.26.23	135.26.27	**135.26.29**
SIPHC	135.26.0	135.26.23	135.26.27	135.26.27
SLANHC	135.26.0	135.26.23	135.26.27	135.26.27
SS7HC	135.26.0	135.26.23	135.26.27	135.26.27

Resolved Bug Listing

Table 2. lists Resolved Bugs for EAGLE Release 46.0.3 Build 46.0.3-65.26.29.

Table 3. lists Resolved Bugs for EAGLE Release 46.0.2 Build 46.0.2-65.26.28.

Table 4. lists Resolved Bugs for EAGLE Release 46.0.1 Build 46.0.1-65.26.26.

Table 5. lists Resolved Bugs for EAGLE Release 46.0 Build 46.0.0-65.26.0.

NOTE: The Resolved Bugs table shows a Customer Impact for Severity 1 and 2 Bugs, as well as for Severity 3 Bugs that are associated with an SR.

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

Table 2.   Resolved Bugs for EAGLE 46.0.3 Build 46.0.3-65.26.29 (2/12/16)

Bug#	SR?	Sev	Title	Customer Impact
22526112		3	Module mfc_serv_cnt Line 466 Class 01d0 Severity 1 generated on E5 E1	

Table 3.   Resolved Bugs for EAGLE 46.0.2 Build 46.0.2-65.26.28 (12/23/15)

Bug#	SR?	Sev	Title	Customer Impact
21984862		2	Delete an MFC Server card, other client cards think the deleted card is OUT FC	It is possible for cards trying to use SCCP, SLAN, and STC service cards to fail to detect that the service card is out of service. The cards would continue to send the traffic to the respective service cards and all that traffic would be lost. The card sending the traffic would have to be reloaded to fix the condition.
21984985		2	MFC Stuck IN FC and DEACTIVATED on A-card	Due to overload, a card could stop communicating correctly with other cards. The only recovery would be to boot the card.
22066964	Y	2	SR: ANSI SNM messages TFP, TFR & TFA are having SIO priority value of 0	Network management messages can be discarded earlier than they should be during link congestion.
21985061		3	IMTPCI code does not properly account process LATE MFC packet counts	
21985100		3	R46.2_ST2:BLMCAP card not getting flashed due to error <DID NOT PROGRAM FWH>	
22308335		3	port BUG 22240198 to 65.2 (VSCCP cards are not coming up on IMT after initializing)	
22066988	Y	4	SR: Eagle: UAM 318 (link set prohibited) though actual linkset SST is Restricted	Confusion as output could show the linkset as prohibited when in reality it is only restricted.

Table 4.   Resolved Bugs for EAGLE 46.0.1 Build 46.0.1-65.26.26 (5/19/15)

Bug#	SR?	Sev	Title	Customer Impact
20424744		2	R46.2_ENUM:Getrel fails while upgrading from 45.0.1-64.70.35-46.2.0-65.40.0	This could cause the upgrade to fail as full file could not be unzipped on system that had previously upgraded from earlier release.
20582567	Y	2	Card DB load timeout (GWS not loading) with 16 bind request at the same time	In certain conditions the OAM may timeout loading GWS tables we requested by 16 or more cards. This could cause the GWS to not update on card and cause an alarm.
20645699	Y	2	SR:RANDSLS traffic on 6-way LS routes cause LS DDB issue during linkset recovery	This issue causes DDB inconsistency in linkset dynamic database table for a particular linkset(s) during its status change from prohibited to allowed (or to restricted). This issue will be observed only when the following conditions are true: 1) The linkset is recovering from a complete failure (all links of the linkset failed previously and the linkset status is now getting changed from prohibited to allowed or restricted). 2) While on recovery (the linkset is still on hold status completing the link change back procedures), the card has RANDSLS traffic (traffic on which RANDSLS is being applied) to route on the particular linkset (and no other fully recovered linkset is the same route cost group). 3) This route/linkset (on which MSU reroute attempts are being made) is part of a routeset which uses n-way loadsharing (more than 2 routes in the routeset has the same route cost).
20800279	Y	2	SR: IPSG-M3UA association may not send a ASPUP_ACK in response to a ASPUP	For this to occur the following needs to happen: 1. The far end sends traffic in excess of the TPS. 2. The far end shuts down the association while in state 1. 3. The far end tries to restart the association before the buffer with the excess traffic can be processed. Then the association may get stuck in a failed state and not recover automatically. Shutting down and opening the association manually will recover it.
20373371	Y	3	[239801]Associations on card becomes OOS and Card not responding to PASS command	If a chunk is received with an invalid length of 1 to 3, the card may go into a loop trying to process. The card can be recovered by using the init-card command.
20464210		3	Upgrade stopped due to IMTPCI flash failure	
20507754		3	IMTPCI flash fails when IMT is under heavy load	

Bug#	SR?	Sev	Title	Customer Impact
21056190		3	during upgrade E5OAM booted with restart.c Line: 1299 during BTREE rebalancing	
20211240	Y	4	Eagle R46.0.0 OAM outputs tks_md.c Line 2339 sev-1 at the start of every hour	
20373398	Y	4	Pegging of IDPR measurement register for "No NPP rule found" scenario	
20373415	Y	4	Eagle R45.0 may wrongly report ELAP MPS alarms (say UAM 0372) as EPAP MPS alarms	
20623952	Y	4	Wrong alarm "Link expected IP TPS threshold exceeded" for SS7 E1/T1 link	
20996137		4	IMT lvl1 stats are being reported corrupted at times	

Table 5.   Resolved Bugs for EAGLE 46.0 Build 46.0.0-65.26.0 (8/5/14)

Bug#	SR?	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.
225101		2	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 downloading the cards.
230601		2	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.
234543		2	R45.1:Active E5OAM card is getting booted with obit "ath_vxw_mgr. Line 1743" after executing an invalid CHG-GTA command.	A sequence of commands on entering and trying to change with an invalid command causes the OAM to boot.
234657		2	R45.1: ITUN24 srvsel lookups failing	Impacts only GTT provisioned for ITU-N24 (China) selectors.
235059	Y	2	EIR result not expected when IMSI in TCAP layer	EAGLE ignores the IMSI from the TCAP layer, and as a result is returning Blacklist when it should return Whitelist.
238993		2	Some EPMB cards double boot on cold restart	The card may boot went trying to load after power is first applied. This could extend load time by a little bit.
239756		2	HIPR - Booting when under load	Under extreme load conditions, it is possible for the HIPR card to boot.
166606		3	Module trp_tbl.c Line 1133 Class 01c3 Severity 1	
167776		3	SSP report issue for ITUN PCs from MCP and OAMHC	
192796		3	IMTPCI Level 1 stats: implementation missing	
198394		3	Eagle generated Module imte_err.c Line 7732 Class 01c3 Severity 1	
199513	Y	3	LMSURCVDSC register and MSUCOUNT not updated when large MSU exceeding 4095 bytes is discarded	LMSURCVDSC register and MSUCOUNT are not updated when large MSUs exceeding 4095 bytes are discarded.
205625		3	R44:FTRA4.4 -Mismatch in DBTIME parameter value	
206610		3	R44:FTRA4.4 - Mismatch of numentries values in rtrv-tt and the actual values present in CSV file	

Bug#	SR?	Sev	Title	Customer Impact
209229		3	Eagle_44.0-E5SM4GB : Module trp_tbl.c severity observed while physically remove cable from port "A" or "B" E5-SM4G B card.	
210287		3	SEV xsvf_ports.c observed during Phase 3 of Incremental Upgrade	
211236	Y	3	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	R44_IPSG_HT:Command rejected when we are trying to change the card type from enet-b to enet having 4 LSs.	
211288		3	False alarm - UIM 0096 CARD 1211 SCCPHC "Card has been reloaded"	
211431		3	IMTPCI - microcode not counting all MSU's for MFC	
211497		3	MFC Engine cannot currently account for System Service Messages that are self-generated by the Application	
211769		3	rept-stat-mfc doesn't show the card in its output if the card is crossed level1 temp	
213583		3	HIPR and HIPR2 - rept-imt-lvl1 - bug in the MUX part of the report	
215527		3	Rel44_E5ATMB:- E5-ATM (EPM A) card Boots with pmtc_mgr.c Obit	
220521		3	1115 Module scm_lcng.c Line 793 Class 0001 Severity 1 generated during upgrade	
221330		3	R45_SNMP:Severity 1 iplk_utl.c Line 1404 observed on E5MASP card.	
221437	Y	3	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	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	SCCP Service Subsystem Cards Abnormal alarms need to be consistent	

Bug#	SR?	Sev	Title	Customer Impact
222942		3	R45_1M_TPS:rept-stat-iptps cmd o/p not showing correct traffic counts and fluctuating when running high traffic.	
223142		3	EOAM boots every 30 minutes with Module ATH_386A.ASM Line 1012 Class 040d obit	
223158		3	Module mftp_mgr.cpp Line 338 Class 01d0 Severity 1 is observed.	
223271		3	R44.0.3_MR: Incorrect NUMENTRIES in rtrv-measopts CSV generated by FTRA	
223646	Y	3	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.
223919		3	R_45.0 SURV: SCCP EPAP data cards did not change to DB_DIFF state when 240M Split DB FAK is turned ON	
224272		3	R45_ST: Severity 1 Module ftpt_mgr.c Line 2208 Class 01c1 5-10 minutes before terminal disconnect	
224373		3	R45_ST: Incorrect header field in CSV file for rtrv-srvsel	
224688		3	R45_ST: Module seci.c Line 523 Class 01d8 Severity 1 on IPSM card	
224750		3	R_45: E5-SM8G-B card going in DB-DIFF state with alarm "0034 Card database is inconsistent"	
225041		3	While deleting a SIP card, a SEV 1 is observed from ttt_grp.c line 271	
225192		3	R45_206814:Dlt-shlf:loc=6200 command shows incorrect MTT E2675.	
225193		3	R_45-SIPNP: No UIM is displayed on eagle, for truncation of encoded value in contact URI of 302 response.	
225295		3	R45_SIP_NP: Eagle is sending multiple 302s for the same INVITE.	
225409		3	IMTVXW - Not processing HIPR CLEAR FC BSU properly	

Bug#	SR?	Sev	Title	Customer Impact
225410		3	IMTPCI - not properly processing the hipr clear FC bsu	
225499		3	shelf provisioned as FPB, upgrade fails with error HMUX card is out of service, rept-stat-card shows HMUX Isolated	
225804		3	E5-OAM will not maintain time over power outage	
226099		3	R45: Wrong value displayed in the output of RTRV-FRM-PWR command for table capacity.	
226101		3	R45:Wrong value displayed in the frame pwr consumption as well as card pwr consumption field when HIPR2 cards are provisioned	
226112		3	R_45-SIPNP:SYSTOTSIP registers are not getting pegged, when SIP card is in IS-ANR/MPS Unavl state during cross over time.	
226413		3	Extension Frame EF-01 Numbering Plan Omitted from Hardware manual	
226979		3	ATMHC links validation should check 3 Links Per E5-ATM card FAK	
227440		3	R45:Rtrv-stp:display=power:frm=cf00 command shows incorrect card location for E5-OAM card.	
227457		3	MFC SCCP does not use RTDU to validate messages	
227478		3	none is missing as valid range from E2591 and E2363	
227626		3	Watchdog timeout may fail to reset a card	
228093	Y	3	Module mfc_dist.c Line 1720 Class 01c3 Severity 1 observed during upgrade phase 3	The variable is read before the new code is fully loaded. Sev-1 automatically stopped after reload of card with Target release.
228181		3	HIPR2 - MFC byte counts corrupted when executing "extended BERT test"	

Bug#	SR?	Sev	Title	Customer Impact
228672		3	R_45-SIPNP:261 *C MPS ELAP-A MPS unavailable appears when we have all SIP cards provisioned as EPAP.	
228750		3	R45_E5E1T1-B: Unexpected MTT Error with chg-t1:t1tsel=recovered	
228879		3	Rel_45_E5E1T1-B: Incorrect MTT error – E2376 with act-lbp cmd for invalid card locations on Eagle.	
230108		3	R45_SIP: Blank Line in ACK message consuming extra CPU.	
230490		3	OAM system buffer leak	
230522		3	SIP card boots on high traffic.	
230808	Y	3	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	R_45-SIPNP:Isolated SIP card displaying TPS and PTPS, when no traffic is running from sipp tool.	
230852		3	System buffer leak in PVDLV	
230951		3	R45_SIP: Warning is not pegged in the output of rept-stat-sip command, when TEL URI is of more than 30 digits.	
231613	Y	3	Associations deleted from system in past still appear in the comp-sctpasoc CSV reports	Additional entries that are not currently provisioned in the Eagle will appear in the measurement reports with a status of "N". However, there is 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 will not help, as currently it will not refresh the meas tables on MCPM card.
232731		3	rept-stat-deir - per DEIR connection TPS display issues	
233074	Y	3	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	R45.1_J7:FTRA4.5 - Mismatch of num entries and max entries values in rtrv-stpopts and actual values present in the CSV file.	

Bug#	SR?	Sev	Title	Customer Impact
233183		3	Description of chg-meas command in Eagle commands manual needs to be updated	
233420	Y	3	updates are required in Commands Manual for rnspfill parameter of chg-ttropts command	Possible confusion over RN or SP digits.
233523		3	Rel_45.1:J7: processor outage message is getting accepted and processed on J7 Node.	
233639		3	Rel_45.1:average CPU usage per service for INPQ service is showing as 0 (zero)	
233715		3	Rel_45.1_J7:In domain crossing scenario, CDPC left as in incoming message, when CGPCOGMSG=cgpcicmsg and USEICMSG=off.	
233955		3	R45.1:Corrupted PC is displayed in MTCD-SSP report generated via REPT-MEAS cmd when only TIF Range CgPN Blklist feature is ON	
234086		3	R45.1:Sev 1 Module tk_hcblade_u Line 2319 Class 01c3 seen on E5OAM when its allowed from inactive prtn.	
234165		3	Rel_45.1_J7: CSPC functionality not working for SSP/SSA received for J7 remote SSN	
234353	Y	3	modification required in IP7 Secure Gateway document(910-6672-001 Revision A)	Default buffer size is shown as 16 when it is 200.
234412		3	Possible wild write and grant count not refreshed	
234507	Y	3	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
234596		3	R45.1:R-S-ALM and R-S-TRBL counts do not match for critical alarms after turning on 240M Split DB feature.	
234919	Y	3	Add description for UIM 1349 in Unsolicited Alarm and Information Messages manual	The UIM is missing from the manual so customer may be confused.

Bug#	SR?	Sev	Title	Customer Impact
234986		3	The output from SEND-MSG for correcting the MRNSET count conflicts with Statue (REPT-STAT-xxx) commands.	
235072		3	R45.1-SIPNP: MTT E2046 observed on "ent-sip-npp" and "chg-sip-npp".	
235830	Y	3	Doc PR - SIGTRAN User Guide - Eagle's SCTP compliant to RFC 4960	Incorrect information captured in customer doc about the compliance of system to RFC may cause confusion.
236059	Y	3	Updates required in E5-OAM Integrated Measurements Feature Description(FD006308)	No impact as the system was just sending the pings every 1.5 seconds to FTP server instead of every 31 seconds.
236129	Y	3	Update to Unsolicited Alarm and Information manual (910-6676-001)	Sample output shown for UAM 0442 appears as minor though it is a critical alarm, which is misleading.
236217	Y	3	Doc PR - Eagle GTT manual needs to be updated to include details of cgcnvsn parameter	Currently it is not clear from Eagle customer documents about the use of ent-gta/chg-gta parameter "cgcnvsn".
236364	Y	3	Correction needed in Alarm Manual(910-6676-001 Revision B) for of UIM 1082	Customer may be confused if the UIM 1082 is observed for cards other than GPSM-II or TSM cards.
236417	Y	3	Updates required in Installation Manual (910-6664-001 Revision A)	Tables 82 and 83 provide cable information for various applications but these tables do not cover the MCP, MCPHC, and OAMHC applications. This could cause the customer issues with getting these applications to work.
236519		3	TPS peak values not correct upon boot	
236577	Y	3	Correction required in FTRA User Guide(910-6691-001)	Customer might use the old hosts.xml file and configuration details instead of the new one, for Secure Connectivity to EAGLE.
236980	Y	3	SCCP card(s) may report UAM 911 during outbound link congestion	The DDB inconsistency in this case is a transient stage and it will clear as soon as the link congestion clears.
236981		3	IP packet Identification field is not getting populated correctly for SIGTRAN traffic	
238008	Y	3	G-Port always uses ITU non-spare domain GTT definitions for sending SRI response	Since Eagle can have a unique GTT in ITU spare and non-spare domains, this may cause the G-port SRI repose in ITU spare domain to fail or to route to an incorrect destination.
238100	Y	3	GSM MAP Screen action "ATIERR", followed by ITU-I to ITU-N GTT causes UIM 1004 & MTPRTD service alarm	Customer is unable to send an ATI reject message to originator after discarding the ATI message in Eagle using GSM MAP screening action "ATIERR". The issue also causes unexpected/false UIM and UAM in the system, which confuses the operator.

Bug#	SR?	Sev	Title	Customer Impact
239696	Y	3	PDU retransmission implementation does not match the B-ISDN ATM Adaptation Layer – SSCOP specification	May cause unexpected ATM SD PDU retransmissions.
240647	Y	3	Minor modification required in alarm manual(910-6676-001)	Not having all of the option values may limit customer understanding of MFC Option.
240959	Y	3	Eagle Doc PR - Correct/enhance the level 3 T32 timer and UAM 220 descriptions	Incorrect information in both SS7 and UAM/UIM manuals could result in misunderstanding of the features of the alarm or link.
19162668		3	Description of alarm number 1461 is missing in alarm manual (910-6676-001)	
204472		5	GTTSET Table Increase	
211760		5	Hardware Maintenance Phase for EAGLE ATM cards (870-1293-xx and 870-2455-xx)	
211761		5	Hardware Maintenance Phase for EAGLE E1/T1 MIM cards (870-2198-xx)	
211763		5	Hardware Maintenance Phase for EAGLE DCM cards (870-1945-xx)	
211764		5	Hardware Maintenance Phase for EAGLE EDCM-A cards (870-2508-xx)	
211765		5	Hardware Maintenance Phase for EAGLE DSM cards (870-1984-xx)	
211766		5	Hardware Maintenance Phase for EAGLE HMUX cards (870-1965-xx)	
211773		5	Hardware Maintenance Phase for EAGLE EDCM cards (870-2372-01/08/13 used for all applications)	
212420		5	E5-E1T1-B Increased Throughput	
216836		5	EPAP DN Block capacity extensions (from 100K to 200K ranges)	
218691		5	Upgrade Enhancement: Reduce Network Conversion Grouping time by 50%.	
220758	Y	5	Configurable SCTP HeartBeat Timer to comply with UK standards	
221360		5	Eagle - Customer friendly OAM commands to configure Eagle Eye traffic capture	
222375		5	Enhance/Improve EPAP-to-Eagle RTDB download in EPAP 16 - Eagle 46.	

Bug#	SR?	Sev	Title	Customer Impact
224788		5	UI Pacing for 115200 baud terminals	
226403		5	R45_SIP: AST status is not present in the o/p of rept-stat-sip command.	
226564		5	EAGLE - Support of J7/TTC for J1-LSL low speed Links	
226899		5	EAGLE - AIN LNP message support in Global Number Portability	
227702		5	H/W obsolete check must identify all obsolete cards.	
228156		5	IMTPCI flash procedure enhancement	
228241		5	UIM 1098 every 5 minutes when standby MASP inhibited	
228342		5	Enhance the init-card command to boot cards with the same MPS data type.	
228506		5	New GTT Actions to trigger EAGLE 5 services	
228926		5	EIR Enhancement to support IMSI Range Logic	
229546		5	Create EAGLE option to unthrottle MMI rates, either partially or fully.	
229613		5	Enhance ENT-CARD command to support IMF application on E5-APP-B cards	
229693		5	Enhance init-flash and act-flash to operate with different flash GPLs simultaneously	
230115		5	Eagle: Marking TOS (DSCP) field in outgoing packets	
230513		5	EAGLE: SIP Stack enhancements	
231226		5	Eagle GWS: Add 'Duplicate and route' stop action	
232241		5	Eagle GWS: Add 'De-encapsulate' stop action for Eagle STP redirected messages	
233492		5	Remove all the FTRA dependencies on EAGLE	
233593		5	Add FAX and MODEM URI support in SIP application and support of configurable thresholds for throughput limit	

Bug#	SR?	Sev	Title	Customer Impact
234392		5	Oracle Re-branding: Copyright	
236675		5	Hardware Maintenance Phase for EAGLE MCPM cards (870-2372-03/07/09/14/15).	
236958		5	Hardware Maintenance Phase for EAGLE MPL cards (870-2061-xx)	
238056		5	R46_GTTA_SRVC: GTT ACTION SRVC can be changed from GPORT/GFLEX/SMSMR to GPORT/GFLEX/SMSMR, when refcnt is non-zero.	
239751		5	Support for LINKINFO pass cmd for SS7HC and ATM.	

Customer Known Bug Listing

Table 6. lists known Bugs for EAGLE 46.0.

NOTE: Customer Known Bugs are sorted in ascending order by Severity (Sev), and then by Bug number.

Table 6.   Customer Known Bugs for EAGLE 46.0 (2/12/16)

Bug#	SR?	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 by either 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.
239189		2	Resolved	No-Fix	R46_SIP_Enhan: SIP data type was not converted from EPAP to DN after full upgrade.	If problem is met during an upgrade from R45.x, the SIP cards should be manually changed to data type DN instead of EPAP.
240151		2	Resolved	No-Fix	"B" class LIMS booting when connected via HIPR	In extreme overload, B-class cards on shelves with HIPR cards may boot. This has been recreated under extreme load on whole shelf with one IMT down. Note: HIPR cards are HM as of Jan 2014. Please see PB00133. It is recommended that systems with B-class cards only use HIRP2. It is recommended that systems with B-class cards only use HIRP2.

Bug#	SR?	Sev	Status	Disposition	Title	Customer Impact
241257		2	Resolved	No-Fix	R46.0:Problematic Card Slots do not allow all other good card slots to come IS-NR state and they get stuck in RTDB download.	If there are errors on the IP interface for an SCCP card connected to ELAP or EPAP, the errors may keep the card from completing loading. The system identifies the problem card(s) and port(s) with an alarm type 537/538. During loading the card may time out and boot, or could take a very long time to completely load. This system will continue to try reloading the card, and may block other cards form loading. Manual intervention is required: correct the situation causing the IP errors, disable the problem port, or inhibit the problem card.
241792		2	Resolved	No-Fix	R46.0:During upgrade flash some of the HIPR cards hang & boots with Obit Module hpru_mgr.c Line 1593 Class 0075 on reseating	HIPR cards are HM as of Jan 2014. Please see PB00133.
136804	Y	3	Resolved	Defer	IPSG linkset report status not consistent	Customer can get confused with the display of a non-consistent linkset report.
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	No-Fix	TST-IMT command is inconsistent across releases & requires multiple interruptions of the bus.	No impact.
198435		3	Resolved	No-Fix	Module t4b_bm.c Line 434 Observed on VSCCP Card after INIT-CARD	Should not be observed anymore due to another problem resolution. Even if this problem is seen, the consequence is limited to a longer card reload time.
198490		3	Resolved	No-Fix	hw_ixp1200_c Line 1653 Class 01cf Sev 1 with ath_vxw.c obit from the APPL side on VSCCP card	This problem should not be faced anymore due to the fix of another issue.
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, Oracle should be contacted to determine why the linkset ID is invalid.

Bug#	SR?	Sev	Status	Disposition	Title	Customer Impact
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	No-Fix	DDL and SS7_LP Out of Resources Obit on SCCP card following a cold boot	Not seen anymore. The worst-case scenario is that a card reboots twice instead of once.
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.
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.
209337	Y	3	Resolved	Defer	R44_SLAN-MFC: SEV1 Module meascdwr.c on Active E5-MASP	5-minute measurements could possibly be impacted.
210290		3	Resolved	No-Fix	R44_SLAN-MFC :with two slan cards and SSEDCM (IPLIM) card as receiving client card SLAN traffic is restricted below its CAP.	The problem is only for an obsolete card.
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.
212095		3	Resolved	Defer	Rel_44.0_MCPHC:- SEAS measurement reports don't match the Eagle Measurement reports.	There is a difference between GR_310_CORE and what the EAGLE provides via SOIP. However, this is the same content as previous releases.
213306		3	Resolved	No-Fix	Remove MFC Transition timer during ADL Load for MFC MTP3	Theorized scenario. Not reproducible. No fix required.

Bug#	SR?	Sev	Status	Disposition	Title	Customer Impact
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 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	No-Fix	High number of UPU cause a loading SCCP card to boot	UPU is a special message that may be routed as regular MSU or addressed to a local STP SCCP system. So it could be both an SNM or MTP3 MSU. Hence, UPU cannot be handled the same way other SNM messages are. No need to fix this, normal behavior.
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 at 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.
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.

Bug#	SR?	Sev	Status	Disposition	Title	Customer 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.
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	No-Fix	R_45:In secured mode with security parameter ON, Measurement file gets transferred even when path different	No real impact. It is always possible to retype the directory information correctly.
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 be gathered from instances of UIM 1074. |
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	No-Fix	SCCP Class 1 traffic not being paced or flow controlled when sent to originating LIM	Class 1 traffic triggers de-rating of the card performance and this is documented. No need to modify the software here.
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.

Bug#	SR?	Sev	Status	Disposition	Title	Customer Impact
224779		3	Resolved	No-Fix	R45: After booting IPSG cards, Sev 1 Module scm_utl3.c Line 3977 was generated on E5OAM card.	No customer impact.
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.
225009		3	Resolved	Defer	init-flash command with sloc and eloc param.	The command will work if the locations are matched to the flash that is trying to be implemented.
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 triggered, 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.
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 cannot 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.
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	No-Fix	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. No traffic impact but an operational one (Trouble is generated).

Bug#	SR?	Sev	Status	Disposition	Title	Customer Impact
226326		3	Resolved	No-Fix	R45: SNM-DAUD traffic getting dropped while changing the MAXSLKTPS value of a SLK.	The DAUD traffic rate mentioned in this scenario is very unlikely to happen in any network. No fix required.
227063		3	Resolved	Defer	in phase 3, act-upgrade command attempts to re-flash MUX cards if the command is re-entered after failure	May do an extra upgrade of MUX cards causing the upgrade to extend.
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.
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.
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.
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 avoided by not issuing set-time with new time in the 5-minute boundary.
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.
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 external HS clock source for links

Bug#	SR?	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 a problem with congestion. Traffic is being discarded per protocol due to congestion. No other impact was identifiable.
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	In the unlikely event that a customer network uses SCCP traffic that has high portion of SCCP MSUs under 40 bytes, not all will receive SCCP service when using this 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.
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.
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.
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.

Bug#	SR?	Sev	Status	Disposition	Title	Customer Impact
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.
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 un-updated 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.
233712	Y	3	Resolved	Defer	Obit on IPSG card from ath_vxw_mgr Module (Line 1728 Class 01c3) during congestion event	An IPSG card can crash/boot if congestion is experienced on the Fast Copy ports.
234090		3	Resolved	No-Fix	Rel_45.1_J7: CGPC is not getting updated from CGPA GTA translation, which is defined in case of FORWARD/DUPLICATE GTTACTION.	Not an issue. Making the CNVCLGITU parameter applicable to all cross ITU domain scenarios.
234557		3	Resolved	Defer	Integrated Measurements failed during upgrade to 45.1	Integrated measurements will not collect data during the upgrade.

Bug#	SR?	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.
236071		3	Resolved	Defer	IMT stats counter overflow and roll over	For a very busy system, the IMT counts may not correctly reflect actual counts since the last time they were cleared.
236684		3	Resolved	Defer	Point code displayed in CSV file by "csv_rtrv_print_pc" function contains leading blank spaces	CSV files may contain leading spaces in the fields.
238603		3	Resolved	No-Fix	Event menu item on right click on Eagle node in Map view, failed to display events in Events View.	Not an issue as the management system should either use TL1 or SNMP but not both at the same time.
239202		3	Resolved	Defer	Not all IMT LVL1 output fields support "--" / "N/A"	The operator however may not understand from the command output that some stats are not available for the MUX type installed in the slot.
239218	Y	3	Resolved	Defer	IP Connection Unavailable/Available alarm on OAMHC forwarded to IMF but IMF does not interpret this alarm(MO_OID NOT Found)	The OAM IP alarms a clearing causes the PIC to report MO_OID not found. There is no other impact.
239403		3	Resolved	Defer	R46.0_SIPEnh: Eagle is responding early with 513 Message too large in response to a SIP INVITE message.	The check for maximum length is working correctly. Only in encoding of the response message we are overwriting the '\n' character in the end of "Response Line" and a '\r' character in the "To" header. There should be no network impact as the message is getting rejected, as it should be.
239446		3	Resolved	Defer	R46.0_J7:tst-slk is accepted on M3UA links which is not correct as per CMT	None. The card's MTP3 layer will attempt to execute a SLTM test on the M3UA link, but the lower M3UA layer simply echoes SLTA back to the MTP3 layer, as SLTMs are not supported in M3UA.

Bug#	SR?	Sev	Status	Disposition	Title	Customer Impact
239548		3	Resolved	No-Fix	R46.0_Eagle_Eyes: unexpected behavior of EE observed when configuration is done using pass commands.	No impact but unexpected behavior. Eagle Eyes is a debug tool that should be used with parsimony and cannot be as robust as any other tool or feature.
239555		3	Resolved	Defer	bcast.c Line 1945 trouble is generated when INIT-CARD:APPL=xxxx is rejected.	The customer will see a trouble when an init-card command is rejected. No other impact.
239680		3	Resolved	Defer	R46.0_J1:Severity1 dmshc_cmio.c on E5-OAM when we format disk during upgrade	No operational impact. Customer may see a trouble after the format operation, as the code attempts to close one more file descriptor that does not exist.
239813		3	Resolved	Defer	Response generation for MSUs that went under Network Conversion	A response message may be incorrectly routed or discarded if the response is crossing either from or into a spare domain.
239889		3	Resolved	No-Fix	R46:- Observed sev1s :- Module ss7_tcoc.c Line 1567 Class 01b1 Severity 1 and Module sih_mgr.c Line 865 Class 01b2 Severity 1	Temporary impact during upgrade. Problem is self-healing.
240256		3	Resolved	Defer	R46_ST:CHG-SCR-OPC command takes extended processing time with IGLS feature On.	System is unavailable for further command entry until current command completes.
240506		3	Resolved	Defer	R46.0_Eagle_Eyes: EE trace collection fails to start or fails to stop with no proper failure indication to user	If the threshold is not first configured, traffic won't be captured.
240525		3	Resolved	Defer	The Approved and Trial GPL versions are not displayed for OAMHC in upgrade mode.	The approved/trial GPL versions do not show during Upgrade. However the running GPL does show.
240525		3	Resolved	Defer	Eagle HC2 DOC: Correction/updates required in doc 909-2256-001 Rev-A, May 2013	The person using this document will need to verify that steps have completed as expected by visually inspecting the GPL version numbers that are running on the E5-MASP.

Bug#	SR?	Sev	Status	Disposition	Title	Customer Impact
240615		3	Resolved	Defer	R46.0: Observed trouble <Module xsvf_ports.c Line 492 Class 0001 Severity 1>.	The trouble indicates a possible problem with programming a device on board. However it also coming out when the device has already been programmed. So far, all cases seen have proved to be false alarms.
240672		3	Resolved	Defer	Rel_46: No UIM is getting generated for GPORT RSP Msg with SCCP CGPA RI=SSN, CGPC is provisioned as ALIAS of PC in DSTN tbl.	Response in domain crossing scenarios when conversion on the SCCP card is required will be discarded since the SCCP card is making the routing decision and will not do MTP3 level conversion. This is legacy operation - however, the discard will be silent.
240721	Y	3	Resolved	Defer	Eagle is encoding incorrect value of CUG-CheckInfo parameter Tag in SRI_ACK message with MAP version 2	Because of this issue other systems may not be able to properly decode the response of MAP version 2 having CUG-CheckInfo parameter.
240733		3	Resolved	Defer	EPMB class cards (includes E5-OAM and SM8GB) get stuck off IMT bus	In extreme overload, it is possible for E5-xxx-B cards to fail to reconnect to the IMT bus. To recover the cards must be power cycled.
240747		3	Resolved	Defer	INH-CARD's are not communicating to the OAM	The LEDs may not give the correct indication when the card is not loading.
240929		3	Resolved	Defer	Services do not validate Spare flag when use Query's CgPA PC/OPC as DPC for the Response	Response in domain crossing scenarios can be misrouted in domain crossing scenarios involving spare domain.
241097		3	Resolved	No-Fix	R46.0:Rept-stat-card:mode=full:loc=<active E5OAM> incorrectly shows MFC status for EROUTE service.	Workaround available - card status not pertinent but could be verified by the use of another command.
241098		3	Resolved	Defer	R46.0_SIPEnh: Incorrect handling of Read/Write error on UDP connection.	Until the customer closes and then reopens the UDP connection, the card will not accept traffic via UDP. This has a very low probably of occurrence since SIP is used almost exclusively over TCP and rarely over UDP.
241157		3	Resolved	No-Fix	R46.0: rept-stat-mfc command stats do not clear for inhibited client/server cards, when service is VSCCP, SLAN or MTP3.	No system impact. The statistics are reflecting the last known status of the card.

Bug#	SR?	Sev	Status	Disposition	Title	Customer Impact
241251		3	Resolved	No-Fix	R46.0:Observed Obit <Module ath_vxw.c Line 2830 Class 0001> and <Module ath_vxw.cLine2702 Class 0001> on Multiple SM8G-B.	Not reproducible and no impact outside of a double card boot.
241270		3	Resolved	Defer	R46_ST: upgrade-config cmd accepted with LIMSETS or/and SRVSETS parameters even when threstype was set as GROUP.	No adverse effect to operating software. The code accepts the parameter values in question, but does not use them during the execution of the command.
241343		3	Resolved	Defer	MTT 4905 has typo in error message string	The word "equal" is misspelled as "eaqual" in the text of the error message.
241372		3	Resolved	Defer	MTT 3021 dependencies need to be added to command(s) in Commands Manual	Commands Manual entry for the act-upgrade command does not identify the dependency that could trigger MTT 3021, E3021 Cmd Rej: Upgrade Software Access Key code not found.
241373		3	Resolved	Defer	MTT 3344 dependencies need to be added to command(s) in Commands Manual	Commands Manual entry for the act-upgrade command does not identify the dependency that could trigger MTT 3344, E3344 Cmd Rej: Upgrade Software Access Key code not valid.
241383		3	Resolved	Defer	MTT 3663 and 3691 dependencies need to be added to command(s) in Commands Manual	Commands Manual entry for the rept-stat-card command does not identify the dependencies that could trigger MTTs 3663 and 3691: E3663 Cmd Rej: Failed accessing the memory equipage table and E3691 Cmd Rej: No other parameters allowed with APPL specification.
241387		3	Resolved	Defer	MTT 4043 dependencies need to be added to command(s) in Commands Manual	Commands Manual entry for the enable-ctrl-feat command does not identify the dependency that could trigger MTT 4043, E4043 Cmd Rej: LNP ported TNs 240 M and up Qty Feat Req E5SM4G.
241389		3	Resolved	Defer	MTT 4084 dependencies need to be added to command(s) in Commands Manual	Commands Manual entry for the chg-stpopts command does not identify the dependency that could trigger MTT 4084, E4084 Cmd Rej: Cannot set DefCC/DefNDC to NONE, if VFLEX feature is ON.

Bug#	SR?	Sev	Status	Disposition	Title	Customer Impact
241392		3	Resolved	Defer	R46_ST: Severity 1 scm_card.c Line 5270 Class 0001 is observed in phase 0 during upg from 44.0.5 to 46.0.0.	There is no system impact.
241435		3	Resolved	Defer	Duplicate MTT error message text in ent-sid Commands Manual entries for MTTs 2802 and 2801	No adverse effect to production code -- text string is misspelled.
241439	Y	3	Resolved	Defer	EAGLE not complying to SCTP restart section 5.2.2 in RFC 4960 when running M3UA on IPSG	The association on the Eagle may appear to be hung and eventually issue an abort if the endpoint attempts to restart the association as a recovery action.
241495		3	Resolved	Defer	Severity of UAM 329 should only be raised only if at least one IS-ANR SCCP card in the system	The Eagle generates UAM 329 first and then UAM 328 ("SCCP is available"), during the recovery of UAM 330 even if all the SCCP card in the system are IS-NR. However, this is not desired. UAM 329 should to be raised only if there is at least one IS-ANR SCCP card in the Eagle.
241496		3	Resolved	Defer	MTTs 4230, 4231, and 4232 dependencies need to be added to command(s) in Commands Manual	Commands Manual entry for the ent-serial-num command does not identify the dependencies that could trigger MTTs 4230, 4231, and 4232: E4230 Cmd Rej: NT Serial Number must begin with NT, E4231 Cmd Rej: Last 8 characters of Serial Number must be numerical, and E4232 Cmd Rej: NT Serial Number must be 10 characters long.
241497		3	Resolved	Defer	MTT 4316 dependencies need to be added to command(s) in Commands Manual	Commands Manual entry for the ent-vendid command does not identify the dependency that could trigger MTT 4316, E4316 Cmd Rej: VENDID table is full.
241520		3	Resolved	Defer	MTT 5275 dependencies need to be added to command(s) in Commands Manual	Commands Manual entry for the ent-card command does not identify the dependency that could trigger MTT 5275, E5275 Cmd Rej: ent-card command for type DSM already in progress.

Bug#	SR?	Sev	Status	Disposition	Title	Customer Impact
241641		3	Resolved	Defer	R46_ST: CGPC incorrectly set to alias of incoming CGPC when CG RI=GT for domain crossing case	The problem is that when GTT Action FWD/DUP is provisioned with USEICMSG=off. This setting does not take effect when CGPCOGMSG=OPCICMSU/CGPCICMSU. The OPC/CgPC is taken from the incoming MSU regardless of the value of USEICMSG. This is a very specific scenario:GTT ends up with GTT Action FWD or DUP, the MSU is crossing domains, SCCPOPTS:CNVCLGITU=ON, FWD/DUP:CGPCOGMSG=OPCICMSU/CGPCICMSU and USEICMSU=off. If any of the above conditions do not happen, this problem will not occur.
241682		3	Resolved	Defer	Commands Manual: chg-upgrade-config's addtblcnv parameter not defined	The addtblcnv parameter for the chg-upgrade-config command is not defined in the Parameters section for the command in the Commands Manual. Customers not already familiar with this parameter will be unable to use it.
241686		3	Resolved	Defer	MTT 3451 - can chg-sccpopts and rtrv-gttact generate this MTT?	The Commands Error Recovery Manual for MTT 3451 does not identify the chg-sccpopts command as one of the commands that could generate this error and explain what triggered the error.
241687		3	Resolved	Defer	MTT 3505 - can ent/chg/rtrv-srvsel generate this MTT?	Commands Manual Dependencies section for the chg/rtrv-ppsopts commands may be incomplete regarding the MTT 3505 error, E3505 Cmd Rej: Prepaid SMS, A-Party RTG or SK RTG feature must be ON.
241689		3	Resolved	Defer	MTT 3789 - can ent/chg/dlt-appl-rtkey generate this MTT?	Commands Manual entries for the ent/chg/dlt-appl-rtkey commands do not identify the dependency that could trigger MTT 3789, E3789 Cmd Rej: OPC, CICS, CICE are not allowed unless SI is 4, 5 or 13.
241697		3	Resolved	Defer	data parameter taking epap as argument with no Dual Exap Config feature is ON.	The customer is not prevented from using options that are not supported with the currently enabled features.
241741		3	Resolved	No-Fix	R46_ST:Severity1 "os_utl.c"observed on active OAM in DSM boot scenarios	No system impact. No need for a fix.
241812		3	Resolved	No-Fix	R46.0_ST: Module tpim.c Line 977 Class 0001 Severity 1 observed on E5-OAM card on giving init -sys cmd.	The condition triggers a Severity 1 (no system impact). Note that the init-sys command is rarely used in the field. No fix required.

Bug#	SR?	Sev	Status	Disposition	Title	Customer Impact
241855		3	Resolved	No-Fix	R46_ST:Deleted associations randomly appear in half hourly COMPSCTPASOC and COMPUA reports at hour interval.	No impact apart from a different behavior between E5-MCPM cards and Integrated Measurements.
241918		3	Resolved	Defer	R46.0_ST:Bucket 0 stats are not getting cleared even after executing the "clr-imt-stats" command for HIPR2 cards.	"clr-imt-stats:all=yes" no longer clears all the stat buckets that it is supposed to clear. The display of rept-imt-info will therefore continue to increment counts present prior to receiving the clr-imt-stats command.
241992		3	Resolved	Defer	R46.0: Un-appropriate caution text, while provisioning 17th ELAP VSCCP card in eagle.	Some confusion as ELAP supports up to 18 cards. However if the operator enters the ent-card command a second time, the command will then be accepted.
242097		3	Resolved	Defer	ST_46.0: Monitored traffic loss is observed while running traffic at around 4650 TU on an ENET-A IPSG card with Fast copy.	There is no impacted to routed traffic. Fast copy traffic may be disabled in certain heavy load conditions.
242153		3	Resolved	Defer	Commands Manual entry for dlt-dstn mandatory/optional parameter definitions are wrong	In the Commands Manual for the dlt-dstn command, the Parameters section incorrectly identifies all parameters except dpcn16 as mandatory.
242188		3	Resolved	Defer	OAM does not correctly update the DCB when code_data_load_status == ATH_MB_DDL_STABLE in the card's MB	If the OAM card becomes unstable, it is possible on recovery that the alarms for the OAM will not be correct. The card can be booted to get this updated.
242271		3	Resolved	Defer	R46.0_ST:In Rept-stat-sccp peg count is displayed incorrectly for SMSMR message getting processed through PPSMS	No affect to message routing. Additional peg is erroneously incremented.

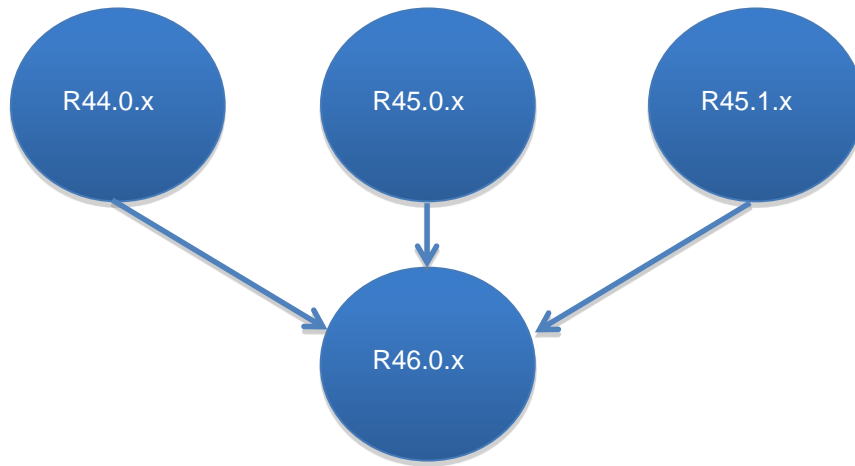| Bug#	SR?	Sev	Status	Disposition	Title	Customer Impact
242277		3	Resolved	Defer	R46:UIM 1222-SCCP rcvd inv Cld Party-bad Selectors observed while sending an ATIERR rsp generated due to EGMS Action ATIERR.	When GTT changes domains from one ITU to a different ITU and them ATI MSU goes to GSM MAP Screening where ATIERR GTT Action is applied to this MSU, and this MSU has CgPA RI=GT but also has CgPA PC - the ATIERR response will be using GTT Selectors according to the original I/c MSU's Network Type instead of using GTT Selectors of the current post-GTT MSU Type for GTT-on-CgPA to route the Response back.
242288		3	Resolved	No-Fix	R46_ST:Module crc_mgr.c observed on standbyE5-OAM when jacked in on eagle running in simplex	No traffic nor OAM impact, the system is already in simplex mode. The newly inserted standby MASP card will take longer to reload and system will resume to duplex mode with some limited delay.
242319		3	Resolved	Defer	R46.0: Observed trouble <Module mfctmutl.c Line 1239 Class 01c3 Severity 1>	This is an indicator that the timer to ensure cards are not stuck in MFC flow control has expired. No action is required by the customer since this situation is self-correcting.
242344		3	Resolved	No-Fix	R46.0: Status of AST is not same in the output of command <rept-stat-sccp> and <rept-stat-card>.	Issue related to the remote ExAP. The EAGLE executed commands may not show the same AST status but this has no impact nor does it play a role in the issue resolution. No Fix required.
242385		3	Resolved	Defer	R46_ST:SEAS measurement reports don't match the CM000074 's eagle compliance matrix	The MEAS reports retrieved through SEAS sessions does not completely match the current SEAS specification.
242414		3	Resolved	Defer	rtrv-srvsel:gtin24=4 not returning data	rtrv-srvsel:gtin24 does not work. To see gtin24 entries the tt parameter must be used in the rtrv-srvsel command.
19150700		3	Resolved	Defer	CMT updates are missing for Eagle 46.0 Upgrade Enhancement feature changes	Commands Manual is missing dependencies in the commands entries for the following MTT errors: E5480 MTT_UPGRADE_ACTION_UNAVAILABLE, E5481 MTT_UPGRADE_THRES_NOT_ALLOWED, E5482 MTT_UPG_THRESTYPE_SET_MUST_BE_SPECIFIED, E5483 MTT_UPG_LOC_MUST_BE_SPECIFIED_WITH_ASSIGNSET, E5484 MTT_UPG_SET_VALUE_OUT_OF_RANGE.
19158633		3	Resolved	Defer	rept-stat-card needs to be updated for the E5-E1T1-B card	The Commands Manual entry for the rept-stat-card command is missing the Auto-Inhibit Hardware Verification Codes for the E5-E1T1-B card.

Bug#	SR?	Sev	Status	Disposition	Title	Customer Impact
19159874		3	Resolved	Defer	Commands Manual needs to document init-card:appl=oam	The appl=oam parameter for the init-card command is not documented in the Commands Manual.
19180138		3	Resolved	Defer	rept-stat-clk does not show proper HS clock status after primary clock is pulled	The Secondary HS Clock status reports as Idle when it should report Active. There is no known work around at this time.
19183099		3	Resolved	Defer	Pegging of IDPR measurement register for "No NPP rule found" scenario	IDPRMSFAIL will peg for IDPR measurement register for "If no NPP rule is found for IDPRCDPN and IDPRCGPN service." It should not. This can cause some confusion, as there is no alarm for the failure as calculated from the measurements.
19183166		3	Resolved	Defer	Update the customer docs for PR 209888 and code bug 19183099	The Measurements Manual is not up-to-date for IDPR measurements IDPRMSRCV, IDPRMSFAIL, and IDPRMSERR.
19196599		3	Resolved	Defer	HC2 Doc - Configuration of card set to be done in HC2 after Procedure 19 step 40	Card set definition and review is missing from the Health Check Procedure.
19197034		3	Resolved	Defer	Following minor modifications are required in Eagle HC doc 909-2256-001	Minor errors need to be corrected in the Health Check Procedure.
19209070		3	Resolved	Defer	R46.0:Upgrade fails for LINK SET with 94 cards, as cards did not come in IS-NR.	This only occurs when using the set option when the EAGLE has many cards that do not have links provisioned. The card distribution algorithm (act-upgrade:action=createsets) may place all these cards in one Set and the Upgrade procedure may time out with so many cards to deal with in one set. The problem can be resolved by observing the distribution of the cards in the sets (act-upgrade:action=displaysets) and then moving cards to other sets (chg-upgrade-config:loc=XXXX:assignset=NN).
19239019		3	Resolved	Defer	R46.0:SIP Congestion alarms flooded on print trm with no SIP traffic running.	If upgrading a system with SIP cards the terminal may get flooded with ALM "626: 626 - Unused trouble text entry" and major alarm "0622 ** CARD 4305 SIPHC SIP Threshold Level1" for all the SIPHC cards in the system.
19239442		3	Resolved	Defer	R46.0:DEIR card mostly fails upg & at least given retry allow attempt.	When upgrading using the Card Set Upgrade mode (when the upgrade set contains cards running diverse GPLs), the section of the upgrade always halts when one of the GPLs is DEIRHC because the OAM detects that the DEIR card(s) fail to report back on the IMT bus quickly enough. The cards eventually upgrade correctly, but the automated upgrade process stops and requires manual intervention. This problem happens only with DEIR cards present in the Eagle.

Bug#	SR?	Sev	Status	Disposition	Title	Customer Impact
19509586		4	Resolved	Defer	DBCDSERV.C Line 1565 Class 015c trouble generated with RTRV-TBL-CAPACITY command	If ITUN24/China 24bit point code type is used in the system and if the customer upgrades to any release from 45.1 through 46.1, the SCCP services table may get corrupt and SCCP services (GFLEX, GPORT and MNP) may not function correctly.
21050127		4	Resolved	Defer	Module dbcdserv.c Line 3308 Class 01b1 Severity 1 05 generated after upgrade	Having J7 point codes provisioned could cause these troubles to be output.

Upgrade Paths

Figure 1 illustrates the upgrade paths to EAGLE 46.0.

Figure 1 EAGLE 46.0 Upgrade Paths

Product Compatibility

Table 7. shows EAGLE 46.0 compatibility with other products.

Table 7.   EAGLE 46.0 Compatibility with Other Related Products

Product	Release	Compatibility
ELAP	<9.0	NC
	9.0	NC
	10.0	FC
EPAP	<14.0	NC
	14.0	NC
	15.0	PC**
	16.0	FC
LSMS	<12.0	NC
	12.0	PC*
	13.0	FC*
E5-MS	45.0	PC
	46.0	FC
FTRA	<4.4	NC
	4.4	NC
	4.5	FC
ECAP	<41.1	NC
	41.1	PC**
PIC	9.0	PC
	10.0	PC**

Note: EAGLE 46.0 customers should upgrade their other products to the Fully Compatible releases identified in the table above.

Legend:

- FC - Fully Compatible
- PC - Partially Compatible-Product combinations are functional but have not undergone complete regression testing. Some feature capabilities may not be fully functional or supported.
- NC - Not Compatible
- * Inherited from ELAP 10 Release Compatibilities
- ** J7 Point Code format is NOT supported on ECAP 41.1, EPAP 16.0 and PIC 10.0

Oracle References and Services

My Oracle Support (MOS)

MOS (https://support.oracle.com) is your initial point of contact for all product support and training needs. A representative at Customer Access Support (CAS) can assist you with MOS registration. Call the CAS main number at 1-800-223-1711 (toll-free in the US), or call the Oracle Support hotline for your local country from the list at http://www.oracle.com/us/support/contact/index.html. When calling, make the selections in the sequence shown below on the Support telephone menu:

1. Select **2** for New Service Request
2. Select **3** for Hardware, Networking and Solaris Operating System Support
3. Select one of the following options:
   - For Technical issues such as creating a new Service Request (SR), Select **1**
   - For Non-technical issues such as registration or assistance with MOS, Select **2**

You will be connected to a live agent who can assist you with MOS registration and opening a support ticket.

MOS is available 24 hours a day, 7 days a week, 365 days a year.

Emergency Response

In the event of a critical service situation, emergency response is offered by the Customer Access Support (CAS) main number at 1-800-223-1711 (toll-free in the US), or by calling the Oracle Support hotline for your local country from the list at *http://www.oracle.com/us/support/contact/index.html*. The emergency response provides immediate coverage, automatic escalation, and other features to ensure that the critical situation is resolved as rapidly as possible.

A critical situation is defined as a problem with the installed equipment that severely affects service, traffic, or maintenance capabilities, and requires immediate corrective action. Critical situations affect service and/or system operation resulting in one or several of these situations:

- **A total system failure that results in loss of all transaction processing capability**
- **Significant reduction in system capacity or traffic handling capability**
- **Loss of the system's ability to perform automatic system reconfiguration**
- **Inability to restart a processor or the system**
- **Corruption of system databases that requires service affecting corrective actions**
- **Loss of access for maintenance or recovery operations**
- **Loss of the system ability to provide any required critical or major trouble notification**

Any other problem severely affecting service, capacity/traffic, billing, and maintenance capabilities may be defined as critical by prior discussion and agreement with the Customer Care Center.

Customer Training

Oracle University offers expert training on Oracle Communications solutions for service providers and enterprises. Make sure your staff has the skills to configure, customize, administer, and operate your communications solutions, so that your business can realize all of the benefits that these rich solutions offer. Visit the Oracle University web site to view and register for Oracle Communications training: *education.oracle.com/communication*. To reach Oracle University:

- In the US, please dial 800-529-0165.
- In Canada, please dial 866-825-9790.
- In Germany, please dial 0180 2000 526 (toll free) or +49 8914301200 (International).
- In Spain, please dial +34 91 6267 792.
- In the United Kingdom, please dial 0845 777 7 711 (toll free) or +44 11 89 726 500 (International).

Locate Product Documentation on the Oracle Help Center Site

Oracle Communications customer documentation is available on the web at the Oracle Help Center
(OHC) site, http://docs.oracle.com/. You do not have to register to access these documents. Viewing these files
requires Adobe Acrobat Reader, which can be downloaded at *http://www.adobe.com*.

1. Access the Oracle Help Center site at *http://docs.oracle.com*.
2. Click **Industries**.
3. Under the Oracle Communications subheading, click the **Oracle Communications documentation** link.

   The Communications Documentation page appears. Most products covered by these documentation sets will appear under the headings "Network Session Delivery and Control Infrastructure" or "Platforms."
4. Click on your Product and then the Release Number.

   A list of the entire documentation set for the selected product and release appears.
5. To download a file to your location, right-click the **PDF** link, select **Save target as** (or similar command based on your browser), and save to a local folder.

Locate Product Release Software on the Oracle Software Delivery Cloud Site

Oracle Communications software is available for electronic download at the Oracle Software Delivery
Cloud (OSDC) site, https://edelivery.oracle.com. Only authorized customers with a valid password may
download software from the site.

1. Log into the Oracle Software Delivery Cloud site at https://edelivery.oracle.com.
   The **Terms & Restrictions** page appears.
2. Read and accept both the Oracle Trial License Agreement and the Export Restrictions Agreement.
   The **Media Pack Search** page appears.
3. Select **Oracle Communications** for Product Pack and **Tekelec** for Platform.
4. Click the **Go** button.
   All media packs that meet the search criteria are displayed on the page.
5. Select the media pack for your Product and Release Number and click the **Continue** button.
   The **Download** page appears.
6. Provide a valid password in the Password field and click the Go button.
7. To download a file to your location, click the **Download** button.