Oracle® Communications

EAGLE Release Notice

Release 48.0

G48414-01

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Oracle Communications EAGLE Release Notice, Release 48.0

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What's New in This Guide

Release 48.0 - G48414-01, December 2025

Updated the following sections with the details of Release 48.0:

- Feature Descriptions
- Media Pack
- EAGLE Card Overview
- Supported Upgrade Paths
- Generic Program Loads (Release 48.0)
- Security Certificate Declaration
- Resolved Bug List
- Customer Known Bug List

1

Introduction

This Release Notice includes feature descriptions, supported hardware, and media and documentation pack contents; and identifies the supported upgrade paths. This document includes listings for both the resolved and known bugs for this release. Directions for accessing key Oracles sites and services are also identified in the Oracle References and Services chapter.

Release Notices are included in the documentation pack made available with every software release.

Introduction

Oracle Communications EAGLE is a platform that delivers signaling solutions to telecommunication networks worldwide.

2

Feature Descriptions

This chapter provides a summary of each feature released in EAGLE 48.0.

SLICV3 Support

This feature introduces support for the SLIC Version 3 (SLIC v3) card within the EAGLE 48.0 release. The SLIC v3 card is supported through the use of new flash images, designated as `blbw32` and `blbw64`, which have been provided to ensure compatibility with this hardware version. In addition to the new flash images, a new BID type has been created and assigned to this particular version of the SLIC card. The appropriate FLASH image, corresponding to the new BID type for SLIC v3, is included and updated as part of this release.

SEAS Forwarding Enhancement

This feature introduces support for SEAS (Signaling Engineering and Administration System) connectivity by adding SSH client functionality to the VxWorks 6.9 operating system on the STP. Previously, VxWorks 6.9 did not support an SSH client, which limited SEAS integration. With this enhancement, the SSH client is now available on VxWorks 6.9, allowing SEAS operations to establish direct SSH connections from the STP. The use of SSH client enables SEAS communication in accordance with security protocols and removes the need for subsystem configuration or forwarding scripts on CCS-MR.

Automatic File Transfer of Security/Audit Logs

This feature enables automatic transfer of security and audit logs in EAGLE starting from release 48.0. Security log reports are generated and sent from EAGLE to a remote server at regular, user-defined intervals. To use this feature, the OAM must have IP connectivity to the remote server, and remote server configuration is required on EAGLE. The system supports secondary servers to reduce the risk of data loss. If the highest priority server is unavailable, EAGLE will attempt to transfer the log file to the next configured server in order, retrying as needed. Each new file transfer begins with the highest priority server. Transfer times may increase slightly if retries are necessary, though under normal conditions the primary server will handle log transfers.

EEDB Compatibility Update for TPD Version 8.6

This feature updates EEDB to support TPD version 8.6. EEDB has been verified and tested with TPD 8.6, using TPD.install-8.6.0.2.0 on Oracle Linux 8.6 and EEDB version 48.0.0.0.0. EEDB now operates with TPD 8.6 as the supported version. Standard configuration parameters such as hostnames, IP addresses, and time zone settings remain unchanged.

Increased MNPD Capacity of 510M DNs

This feature increases the DSM memory allocation on the SLIC card to support loading an MNPD size of up to 510M DNs from EPAP. Previously, SLIC cards supported loading up to a 480M DN MNPDB from EPAP. With this enhancement, a 510M DN MNPDB can be

successfully loaded onto the SLIC card, as verified with EAGLE version 48.0.0.0.0-80.24.0 and EPAP version 17.1.0.0.0_170.34.0. This update allows larger MNPDB databases to be managed and processed by EAGLE systems using SLIC cards.

Increased FTP Server Password String Characters

This feature increases EAGLE FTP Server password strings to at least 16 characters to meet the new customer IT requirements. Previously, the maximum character strings for FTP server access was 15 characters.

APPD Compatibility with EAGLE

This feature enables compatibility between EAGLE Release 48.0 and EPAP software running on APPD hardware. With this enhancement, EAGLE 48.0 systems can operate with EPAP releases that are deployed on the APPD platform.

3
Media and Documentation

Oracle Communications software is available for electronic download on the Oracle Software Delivery Cloud (OSDC). Documentation is delivered electronically on the Oracle Help Centre (OHC). Both the software Media Pack and Documentation Pack are listed in this chapter.

Media Pack

All components available for download from the MOS website are listed in Table 3-1.

> **Note**
>
> This list is accurate at the time of release but is subject to change. See the MOS website for the latest information.

Table 3-1 Media Pack Contents for EAGLE 48.0

Description
Oracle Communications EAGLE 48.0.0.0.0-80.29.0
Oracle Communications EAGLE CAT2 48.0.0.0.0-80.11.0
Oracle Communications EAGLE External Database 48.0.0.0.0-80.29.0
Oracle Communications EAGLE 48.0.0.0.0-80.29.0 MIBS

Documentation Pack

All documents available for download from the Oracle Help Center (OHC) are listed in Table 3-2.

> **Note**
>
> This list is accurate at the time of release, but it is subject to change. See the Oracle Help Center for the latest information.

Table 3-2 Documentation Pack Contents

Release Notices and Licensing Information User Manuals
Release Notice
Licensing Information User Manual
EAGLE Compatibility Matrix
EAGLE Hardware, Installation, Software Upgrade, and Maintenance
Hardware Reference
Installation Guide
Maintenance Guide

Table 3-2 (Cont.) Documentation Pack Contents

System Health Check Guide
Software Upgrade Guide
Application B Card Hardware and Installation Guide
EAGLE Core Manuals
Commands User’s Guide
Commands Error Recovery Reference
Database Administration – Features User’s Guide
Database Administration – GTT User’s Guide
Database Administration – GWS User’s Guide
Database Administration – IP7 Secure Gateway User’s Guide
Database Administration – SEAS User’s Guide
Database Administration – SS7 User’s Guide
Database Administration – System Management User’s Guide
Measurements Reference
Unsolicited Alarms and Information Messages Reference
Security Guide
EAGLE Feature Manuals
A-Port User’s Guide
Analyzed Information Features User’s Guide
ATINP User's Guide
EIR User's Guide
ENUM User's Guide
G-Flex C7 Relay User's Guide
G-Port User's Guide
IDP-Related Features User's Guide
INP/AINPQ User's Guide
IS41 GSM Migration User's Guide
Logging and Visualization User's Guide
MO SMS User's Guide
Numbering Plan Processor (NPP) User's Guide
SIGTRAN User's Guide
SLIC Card Configuration User's Guide
Stateful Applications User's Guide
TIF User's Guide
V-Flex User's Guide
EAGLE Reference Manuals
Master Glossary
Previously Released Features
Related Publications Reference
Table Data Report CSV File Format Reference

4

Supported Hardware Baseline

The hardware identified in this chapter comprises the hardware and server versions that have been verified with this release.

EAGLE Card Overview

The EAGLE Card Overview table is a resource table that provides an overview of information for cards that can be provisioned in EAGLE. For a detailed description of supported hardware, see Table below.

This table lists the following card information:

- GPLs and applications that can run on the card
- Provisioned card type
- Name of the card as shown on the card label
- Card part number
- Number of shelf slots that the card occupies (1 or 2)
- Number of physical ports on the card
- Maximum number of links that can be assigned to the card

Table 4-1 EAGLE Card Overview Table

Card Applications	Card GPLs	Provisioned Card Type	Card Name as shown on the card label	Card Part Number	Slots per Card	Ports per Card	Links per Card
atmansi	atmhc69 bldc32	limatm	E5-ATM-B	870-2972-01	1	4 (3 used)	3
atmitu		lime1atm					
ccs7itu	ss7hc69 bldc32	lime1	E5-E1T1-B	870-2970-01	1	8	64
	ss7hc69 blsl932		SLIC	7094646 7352578	1	4	96
	ss7hc69 blbw32		SLICV3	8210881	1	4	96
ccs7itu	ss7hc69 bldc32	lime1 (for SE-HSL)	E5-E1T1-B	870-2970-01	1	8	2
	ss7hc69 blsl932		SLIC	7094646 7352578	1	2	3
	ss7hc69 blbw32		SLICV3	8210881	1	2	3
Deir64	deir64 bldc64	dsm	E5-SM8G-B	870-2990-01	2	2 Ethernet	1 Ethernet for MPS link

Table 4-1 (Cont.) EAGLE Card Overview Table

Card Applications	Card GPLs	Provisioned Card Type	Card Name as shown on the card label	Card Part Number	Slots per Card	Ports per Card	Links per Card
							1 Ethernet for Signaling (16 SCTP)
	deir64 blslc64		SLIC	7094646 7352578	1	4 Ethernet	2 Ethernet for MPS links
	deir64 blbw64		SLICV3	8210881			2 Ethernet for Signaling links (16 SCTP)
Enum64	enum64 bldc64	dsm	E5-SM8G-B	870-2990-01	2	2 Ethernet	1 Ethernet for MPS link
							1 Ethernet for Signaling (16 TCP; 1 UDP)
	enum64 blslc64		SLIC	7094646 7352578	1	4 Ethernet	2 Ethernet for MPS links
	enum64 blbw64		SLICV3	8210881			2 Ethernet for Signaling links (2 UDP)
eroute	erthc69 bldc32	stc	E5-ENET-B	870-2971-01	1	2	2 Ethernet
	erthc69 blsl932		SLIC	7094646 7352578			
	erthc69 blbw32		SLICV3	8210881			
hipr2	hipr2	N/A	HIPR2	7333484	1	N/A	N/A
				870-2872-01Foot 2			
				870-2872-02Foot 2			
ips	ipshc69 bldc32	ipsm	E5-ENET-B	870-2971-01	1	2 (use only A)	1 ipshc service
	ipshc69 blsl932		SLIC	7094646 7352578	1	1	1 Ethernet
	ipshc69 blbw32		SLICV3	8210881	1	1	1 Ethernet

Table 4-1 (Cont.) EAGLE Card Overview Table

Card Applications	Card GPLs	Provisioned Card Type	Card Name as shown on the card label	Card Part Number	Slots per Card	Ports per Card	Links per Card
ipsg	ipsg blmcap	ENET-B	E5-ENET-B	870-2971-01	1	2 Ethernet	32 Signaling Links
	ipsg69 bldc32	ENET-B	E5-ENET-B	870-2971-01	1	2 Ethernet	32 Signaling Links
	ipsg69 blsl932	SLIC	SLIC	7094646 7352578	1	4 Ethernet	128 SCTP Signaling links. 4 Ethernet for Signaling links. (Port A&C can be on the same or different subnets and ports B&D can be on the same or different subnets) OR 2 Ethernet for Signaling links and 2 Ethernet for Fast Copy
	ipsg69 blbw32		SLICV3	8210881			
ipsg + GTT	ipsg932 blsl932	slic	SLIC	7094646 7352578	1	4 Ethernet	2 Ethernet for Signaling links (32 SCTP) 2 Ethernet for Fast Copy
	ipsg932 blbw32		SLICV3	8210881			
mcp	mcphc69 bldc32	mcpm	E5-MCPM-B	870-3089-01	1	2 (use only A)	1 Ethernet
	mcphc69 blsl932		SLIC	7094646 7352578	1	1	1 Ethernet
	mcphc69 blbw32		SLICV3	8210881	1	1	1 Ethernet

Table 4-1 (Cont.) EAGLE Card Overview Table

Card Applications	Card GPLs	Provisioned Card Type	Card Name as shown on the card label	Card Part Number	Slots per Card	Ports per Card	Links per Card
oam	oamhc69 bldc32	N/A	E5-MASP	7346924	2	2	N/A
				870-2903-01Foot 2			
				870-2903-02Foot 2			
				870-2903-03Foot 2			
sfapp	sfapp blslc64	slic	SLIC	7094646 7352578	1	1 Ethernet	1 Ethernet for Visualization links (8 TCP)
	sfapp blbw64		SLICV3	8210881			
siphc	sip64 bldc64	dsm	E5-SM8G-B	870-2990-01	2	2 Ethernet	1 Ethernet for MPS link
							1 Ethernet for Signaling (16 TCP; 1 UDP)
	sip64 blslc64		SLIC	7094646 7352578	1	4 Ethernet	2 Ethernet for MPS links
	sip64 blbw64		SLICV3	8210881			2 Ethernet for Signaling links (16 TCP; 2 UDP)
ss7ansi	ss7hc69 bldc32	limt1	E5-E1T1-B	870-2970-01	1	8	64
	ss7hc69 blsl932		SLIC	7094646 7352578	1	4	96
	ss7hc69 blbw32		SLICV3	8210881	1	4	96
ss7ansi	ss7hc69 bldc32	limt1 (for ST-HSL-A)	E5-E1T1-B	870-2970-01	1	8	2
	ss7hc69 blsl932		SLIC	7094646 7352578	1	2	3
	ss7hc69 blbw32		SLICV3	8210881	1	2	3
vsccp	sccp64 bldc64	dsm	E5-SM8G-B	870-2990-01	2	2 Ethernet	2 Ethernet for MPS links

Table 4-1 (Cont.) EAGLE Card Overview Table

Card Applications	Card GPLs	Provisioned Card Type	Card Name as shown on the card label	Card Part Number	Slots per Card	Ports per Card	Links per Card
	sccp64 blslc64		SLIC	7094646 7352578	1	3 Ethernet	2 Ethernet for MPS links 1 Ethernet for Visualization links (8 TCP)
		slic		7094646 7352578	1	3 Ethernet	2 Ethernet for MPS links 1 Ethernet for Visualization links (8 TCP)
	sccp64 blbw64		SLICV3	8210881			
N/A	N/A	N/A	E5-MDAL	7346923	2	N/A	N/A
				870-2900-01Foot 2			
elap	N/A	e5appb	E5-APP-B	870-3096-xx	2	4	N/A
epap							
lsms							
nas							
imf							

Hardware Baseline

Component	Part Number	ROHS Number (if applicable)	Required for:
Control Shelf	870-2321-02 Rev A	7335031	Standard Frame
	870-2321-04 Rev A		
	870-2377-01 Rev A	870-2377-02 Rev A	Heavy Duty Frame
Control Shelf Backplane	850-0330-06 Rev A	7333412	
Extension Shelf	870-2378-01 Rev A	7335033	Heavy Duty Frame
	870-0776-02 Rev C		Standard Frame
	870-0776-03 Rev D		
	870-0776-06 Rev A		
	870-0776-07 Rev A		
	870-0776-08 Rev A or 870-0776-11 Rev A		
Air Management Card	870-1824-01 Rev A	870-1824-02 Rev A	Shelves with Fan Assembly
E5-APP-B	870-3096-xx		

Component	Part Number	ROHS Number (if applicable)	Required for:
E5-ATM-B		870-2972-01 Rev A	
E5-ATM Adapter		830-1342-05	
E5-E1T1-B		870-2970-01 Rev A	
E5-ENET-B		870-2971-01 Rev A	
E5-MASP		7346924	
		870-2903-01 Rev C	
		870-2903-02 Rev A	
		870-2903-03 Rev A	
E5-MCPM-B		870-3089-01 Rev A	
E5-MDAL		7346923	
		870-2900-01 Rev A	
E5-SM8G-B		870-2990-01 Rev A	
FAP	870-1606-01 Rev A or		Standard Frame or Standard Frame with HCMIMs
	870-1606-02 Rev A	870-1606-05 Rev A	
	870-2320-01 Rev A	870-2320-03 Rev A	Heavy Duty Frame or Heavy Duty Frame with HC-MIMs
	870-1823-01 Rev B	870-2804-01 Rev B	
FAP-CF/EF	870-0243-08 Rev C		
FAP-MISC	870-0243-09 Rev C		
FAP Fuse and Alarm Panel	870-2804-01 Rev A		
Fast Copy Adapter Upper		830-1343-01 Rev A	
Fast Copy Adapter Lower		830-1343-02 Rev A	
HIPR2		7333484	
		870-2872-01 Rev A	
		870-2872-02 Rev C	
SLIC		7094646 7352578	
SLICV3		8210881	
High-speed Fiber Channel Cable		830-1344-xx	
DC Frame Assembly	890-1843-01 Rev C	890-1843-02 Rev A	
In Heavy Duty Frame	890-1801-01 Rev E	890-1801-02 Rev A	
Kit E1	890-1037-01 Rev A	890-1037-06 Rev A	
Kit, Holdover Clock Assy	890-1013-01 Rev A		
Fan Assy (Standard Frame)	890-1038-01 Rev D		
Fan Assy (Shelves with EPM-B cards)	890-0001-01 Rev A or	7315823	
	890-0001-02 Rev A		

> **Note**
>
> On EAGLEs getting upgraded to R48.0, EPAP MPS ports on Service Module cards must be configured to support 1Gbps EPAP-to-EAGLE RTDB download speed. SM cards must also be connected to EPAP with CAT5 straight-through cables (P/N 830-0724-xx or 830-1174-xx; see *Installation Guide*).

5

Supported Upgrade Paths

This release has been tested for upgrade from specific prior releases. This chapter contains the exact paths for upgrade. Please verify your current installed release is listed on a valid upgrade path.

Supported Upgrade Paths

The possible upgrade paths to EAGLE 48.0 are listed in the following table.

From	To
EAGLE release 47.0	EAGLE release 48.0
EAGLE release 47.1	EAGLE release 48.0

Generic Program Loads (Release 48.0)

GPL System Name	Version Build 48.0.0.0.0-80.29.0
Date Available	**December 2025**
ATMHC	150.29.0
ATMHC69	150.29.0
BLDC32	150.29.0
BLDC64	150.29.0
BLMCAP	150.29.0
BLSL932	150.29.0
BLSLC64	150.29.0
DEIR64	150.29.0
ENUM64	150.29.0
ERTHC	150.29.0
ERTHC69	150.29.0
HIPR2	146.8.0
IPSG	150.29.0
IPSG69	150.29.0
IPSG932	150.29.0
IPSHC69	150.29.0
MCPHC69	150.29.0
OAMHC69	150.29.0
SCCP64	150.29.0
SFAPP	150.29.0
SIP64	150.29.0
SS7HC	150.29.0
SS7HC69	150.29.0

6
Product Compatibility

Refer to *EAGLE Compatibility Matrix* for the product compatibility between this product release and the releases of other products.

Load Line Up

This section lists subsystem products and versions affected by features delivered in this release. The following table contains the order in which the upgrade should take place, where 1 is first, 2 is next, and so on. The most current release should be used for all products in Table 6-1.

> **Warning**
>
> Failure to upgrade in the correct order may cause a service outage/discontinuity between products.

> **Note**
>
> EAGLE 48.0 release has not changed EPAP or ELAP/LSMS, and hence it can be upgraded independently. However, if EPAP or ELAP/LSMS is being upgraded along with EAGLE, then refer to the following upgrade order.

Table 6-1 Load Line Up

Product Element	Upgrade Order (if applicable)
EAGLE	1
LSMS	2
LSMS Query Server	3
ELAP	4
FTRA	5
EPAP	6 or 2 [1]
PIC	Not Applicable
EMS	Not Applicable
EAGLE Query Server	Not Applicable

[1] If the customer wants to upgrade EPAP along with EAGLE, then they should upgrade EAGLE followed by EPAP.

7

Security Certificate Declaration

This section provides information on the list of security tests conducted, and the dates of their completion.

Table 7-1 Security Certificate Declaration

Security Test Description	Test Completion Date	Summary
Static Source Code Analysis Assesses adherence to common secure coding standards	31st July 2025	All Critical findings addressed.
Dynamic Analysis (including fuzz testing) Tests for risk of common attack vectors such as OWASP Top 10 and SANS 25	6th June 2025	All Critical and High findings addressed
Vulnerability Scans Scans for CVEs in embedded 3rd party components	29th May 2025	All Critical and High findings addressed
Malware Scans Scans all deliverable software packages for the presence of known malware	11th November 2025	No Findings

8
Resolved and Known Bugs

This chapter lists the resolved and known bugs for EAGLE release 48.0.

These lists are distributed to customers with a new software release at the time of General Availability (GA) and are updated for each maintenance release.

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.

1. **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:
   - Product inoperability (total or partial outage),
   - A reduction in the capacity capability, that is, traffic/data handling capability, such that expected loads cannot be handled,
   - Any loss of emergency capability (for example, emergency 911 calls), or
   - Safety hazard or risk of security breach.
2. **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 less immediate or impending effect on product performance, customers, and the customer's operation and revenue such as:
   - Reduction in product's capacity (but still able to handle the expected load),
   - Any loss of administrative or maintenance visibility of the product and/or diagnostic capability,
   - Repeated degradation of an essential component or function, or
   - Degradation of the product's ability to provide any required notification of malfunction.
3. **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.
4. **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 of 1–Critical, 2–Major, 3–Minor, 4–Minor, No Loss of Service.

Resolved Bug List

The table in this section lists the bugs resolved in the following build:

- EAGLE 48.0.0.0.0-80.29.0

The resolved bug table shows an impact statement for the severity 1 and 2 bugs as well as severity 3 bugs associated with an SR.

> **Note**
>
> Resolved bugs are sorted in ascending order by severity and then by bug number.

Table 8-1 EAGLE Release EAGLE 48.0.0.0.0-80.29.0 Resolved Bugs (December 2025)

Bug Number	SR	Severity	Title	Customer Impact
36819377	Y	2	ACTIVE Partition of MASP becomes inaccessible after re-initializing MASP card	If this issue occurs, the Eagle database on the E5-MASP card will become inconsistent, report DMS errors for reading/writing Eagle database tables, and fail to connect to the IMT buses when the card is booted.
37186157	Y	2	SCCP cards reboot with "Module `ath_vxw_mgr`. Line 2057 Class 01c3" out of the blue and reload the RTDB.	SCCP card reboots could cause loss of SCCP traffic while card recovers.
37844573	Y	2	Problem in the EPAP log files after EAGLE upgraded to 47.1	No impact to customer.
29883833	N	3	Eagle Upgrade Document E54340 Recovery C does not account for using the spare MASP as the recovery	
31186470	N	3	46.9:- `clc_mgr.c`, `clc_utl.c` and `scm_ldr.c` severity 1 are being observed on Eagle	
32215034	Y	3	DB Audit running for more time in 46.9.0 due to addition of CAT2 feature	Customers need to execute a system backup post upgrade and want to do this during the upgrade maintenance window. The increased DB audit time delays normal system administration up to 90 minutes.

Table 8-1 (Cont.) EAGLE Release EAGLE 48.0.0.0.0-80.29.0 Resolved Bugs (December 2025)

Bug Number	SR	Severity	Title	Customer Impact
33156426	Y	3	R47.0_ST: chg-assoc is allowing configuration of assoc to exceed Assoc Buffer Space from Available Buffer Space	chg-assoc command allows configuration of assoc to exceed association buffer size from available buffer space on the card. This may result in card getting into auto-inhibited state. However, `ent-assoc` command has a check to verify the available buffer space when association is created.
33252307	N	3	R47.0_ST: M3UA link is catering traffic more than its configured `maxslktps` if `maxslktps` is less than 200	
35148389	N	3	R47.1_DEIR_FT:LINK1 LED turn red when IP port not configured	
35328317	Y	3	R47.1_ST: USB detection gets stopped after execution of few commands	There is no traffic loss because of this issue. These are debug commands that should only by used by Oracle.
35380043	N	3	R47.0_MR:Inconsistency in `traceroute`	
35694509	N	3	R47.1_ST:Observing severity1 `t4v_msg.c` from line 937 and 939 on SCCP cards	
35772576	Y	3	R47.1_ST: Module `mfctkapi.c` Line 3944 Class 01c3 Severity 1 observed on SCCP cards	No impact on the traffic and functionality of the application. This generally happens when there is high traffic received on the card which marks MFC service in flow control.
35850604	N	3	R47.1_ST: Recovery C:Observed Severity1 `trp.c` on SCCP card	
35878922	N	3	R47.1_OBIT "Module `restart.c` Line 1608 Class 0001" is observed on SIP and ENUM cards while warm restart.	

Table 8-1 (Cont.) EAGLE Release EAGLE 48.0.0.0.0-80.29.0 Resolved Bugs (December 2025)

Bug Number	SR	Severity	Title	Customer Impact
35937011	Y	3	R47.1_ST: DB Inconsistent and Severity 1 "radb_ip.c" observed on SFLOG and IPSM card when static route is entered	If a static IP route for an IPSM card is deleted, this will cause the card to go into a DB-DIFF state. This can be resolved by initializing the IPSM card. Routes are generally deleted on IPSM cards when there is a change in the local network which may or may not require a new route to be added. If the local IP is changed then the card must be inhibited which then resets the netstat table and resolves the DB-DIFF state.
36164708	Y	3	Disable all ORACLE Unacceptable SSH Ciphers	SSH clients must use one of the updated ciphers to SSH to Eagle.
36303298	Y	3	SFAPP-related UIM Reasons could not be found in @documentation	No customer impact.
36624440	N	3	R47.0.0.1_CAT2: Standby DB becomes inconsistent after DB change command is entered during CAT2 OAM to SCCP Sync	
36647339	N	3	R47.0.0.1_CAT2: Server backup fails when CAT2 files are getting transferred from CAT2 Utility to EAGLE | Severity 1 "ftp_dos.c Line 714" observed	
37229910	Y	3	Customer receiving severity 1 trouble after lab upgrade to 47.1.0.1.0-79.34.0	No customer impact.
37490194	Y	3	Protocol stats updated in VxWorks 6.9	There is no operational impact to customer
37538537	N	3	Update upgrade guide to mention about cards that failed to flash during upgrade	

Table 8-1 (Cont.) EAGLE Release EAGLE 48.0.0.0.0-80.29.0 Resolved Bugs (December 2025)

Bug Number	SR	Severity	Title	Customer Impact
37570934	Y	3	SM8G flash issue occurs when card is present on IMT with BLMCAP flash and we are unable to flash the card to BLDC64	When customer's STPs are operating on release 47.x and a failed system E5-SM8G-B card is replaced with the onsite spare that is flashed with BLMCAP GPL and not the required BLDC64 GPL, the card cannot be flashed, a command rejection error will be seen as below. > `init-flash:loc=4111:code=appr:gpl=bldc64` E2212 Cmd Rej: Invalid card type for this command The card that is specified cannot be used with this command. The card will have to be sent in for an RMA to have the BLDC64 GPL preloaded on the replacement E5-SM8G-B card.
37595763	Y	3	Inconsistent CDPA GTTSET selection for XUDT messages	No operational impact as issue seen only when using internal `tst-msg` commands.
37773080	N	3	Update Procedure 10: Upgrading Removable medias and Procedure 11: Backing Up Fixed Disk	
37797831	Y	3	inconsistency reported under commands `rept-stat-trbl` V/s `Rept-stat-card`	No impact to customer.
38041236	Y	3	R47.1.0.2MR: Observing Severity 1 "Module `ath_ipscp.c` Line 1901 Class 01b1" on GTT enabled IPSG card	No impact to customer.
38053626	N	3	R47.1.0.2MR: Links toggling continuously when original message packet size is larger than MTU size	No impact to customer.
38146160	Y	3	DEIR SLIC card shows UNKNOWN status on EPAP release 17.0.0 and 16.3.0 and Eagle release 47.1.0.1	No Service Impact. EPAP reports SLIC DEIR card with status as UNKNOWN since EAGLE is sending DEIR cards in the EPAP card list even though SLIC DEIR does not directly connect to EPAPs.
26257720	N	4	Remove Stop Action value as "COPY" from `chg/rtrv-gws-actset`	

Table 8-1 (Cont.) EAGLE Release EAGLE 48.0.0.0.0-80.29.0 Resolved Bugs (December 2025)

Bug Number	SR	Severity	Title	Customer Impact
32292968	N	4	In Vxworks6.9, maximum 1000 TPS per link is getting copied on IMF server in STC mode	
34193254	N	4	Retrieving data. Wait a few seconds and try to cut or copy again	
34307478	Y	4	R47.0_ST:Module `ath_ipscp.c` Line 1901 Class 01b1 Severity 1 observed on GTT enabled IPSG cards	Severity 1 `ath_ipscp.c` is observed when IPSG+GTT card is rebooted. No traffic/ system Impact.
34527242	N	4	`rept-stat-iptps` is showing incorrect output for IPSG69 ENETB card and SLIC card	
34920961	N	4	Add support for SLIC Version 3	
35853925	Y	4	Bypass isolated cards in upgrade health check and don't mark them as obsolete	With isolated card(s) in the system, upgrade health check for those card location(s) may mark them as obsolete card(s), as isolated card(s) defaults to older GPLs (some of them are obsolete). This impacts the upgrade as until a Network card is placed in that location, upgrade doesn't proceed.
35876884	N	4	Automatic File Transfer of Security/Audit Logs	
36164730	N	4	SEAS - SSH client support in VxWorks69	
37522623	N	4	Update CGBU_018327 document: SLIC SCCP supports 13.6K TPS with EPAP240M and EGMS features enabled	
37986641	Y	4	Increase Eagle FTP Server password strings to at least 16 characters.	Passwords with a small number of characters may be easier to guess.
38166196	N	4	Rel 47.1.0.2.0-79.38.0 : CMT update for using Flash-Card to flash SM8G cards from BLMCAP to BLDC64	
38188051	N	4	EAGLE 47.1| VxWorks6.9| Ping Command with -f option not working as expected	Ping command with "-f" (Don't fragment) option does not set the Don't fragment bit in the IP layer flag and hence it cannot be used to identify the PMTU of the IP network.

Table 8-1 (Cont.) EAGLE Release EAGLE 48.0.0.0.0-80.29.0 Resolved Bugs (December 2025)

Bug Number	SR	Severity	Title	Customer Impact
38568918	N	4	Update EEDB to use TPD 8.10.1.7.0_150.18.0	

Customer Known Bug List

The following table lists the known bugs and the associated Customer Impact Statements.

Table 8-2 EAGLE Release 48.0 Customer Known Bugs (December 2025)

Bug Number	SR	Severity	Title	Customer Impact
38709413	Y	2	Packet Count Not Displayed for All Associations	No loss of Traffic and configured associations for the Eagle card may not be displayed in output of REPT-STAT-MON command.
28185911	N	3	LIM/SCCP card(s) denied SFAPP alm with new SFR MFC servc needs clarification	Operator needs to run the `rept-stat-mfc` commands for SFAPP and SFR services or look at the measurements to determine the service that is causing the alarm.
28253971	N	3	Rel.46.7_DB_Exp:Sev1 rmtp_utl.c with lines 349 and 384 obsrvd during upgrade	These severity 1 troubles may appear at end of the full DB download after a cold restart of a SCCP64 card. There is no known impact.
29197515	N	3	R46.5.1.10_FT: UAM 115 & 116 and UIM 118 & 119 are not getting generated with tpsalmtype=maxslktps for SLIC card	TPS alarms do not show when the card running the IPSG is a SLIC and traffic crosses its threshold value when tpsalmtype is set to MAXSLKTPS. TPS alarms are generated correctly when tpsalmtype is set to RSVDSLKTPS.
29378816	N	3	R46.6.3: LINK LED for ports B & C are not working correctly if UDP\TCP connection is not configured for SIP\ENUM	The LINK LEDs on ports B & C are illuminated green even when no UDP/TCP connections are provisioned for either port.
29378828	N	3	R46.6.3: LINK LED for PORT D is not working correctly for SLIC DEIR card	The colors of the LED (green/red) for the SLIC card, port D, when running the DEIR application are reversed from what they should be: red when it should be green, and green when it should be red.

Table 8-2 (Cont.) EAGLE Release 48.0 Customer Known Bugs (December 2025)

Bug Number	SR	Severity	Title	Customer Impact
29539191	N	3	IDPR_Enh:Module mdb_srvs.c Line 369 observed on LIM card while executing ent-srvsel command with ANSI domain	When SRVSEL entries of type ANSI and ITUN24 are configured with the same values of GTI, TT, NP, NAI, and SSN, cards may observe UAM 0034 "Card database is inconsistent" and report "Module mdb_srvs.c" severity 1 trouble.
29873349	N	3	`copy-disk` command failed to copy files from active to standby causing sev 1 dmshc_utl.c Line 1240 DMS Error	The `copy-disk` command may fail to transfer files as expected. Workaround: Retry the operations and the copy eventually succeeds at the second or third attempt.
30431027	N	3	R46.7:During upgrade multiple LIM cards did not return to IS-NR in less than 8 minutes	LIM cards will take a little longer than 8 minutes to return to IS-NR.
31098175	N	3	The FTP command with -a option is broken	FTP with the -a option does not work. There is no impact on traffic. Workaround: Run two commands instead: Use FTP without the -a option, then use the `copy-tbl` command.
31647295	N	3	R46.9_ST: Observing Module mfctmutl.c Line 1334 Class 01c3 Severity 1 on IPSG cards	A few ATI ack messages do not reach the SFAPP card when the card is congested under maximum load. The corresponding UC #1, #2, and #3 messages will not be applied, but the original message will still be processed.
31948123	N	3	R46.5.1.20_4PORT: Traffic is getting dropped without congestion on M2PA/M3UA link	If a 2 or 4 port IPSG card with 4 or fewer links configured has traffic above the card capacity (if allowed by sum of MAXSLKTPS of all links on the card which exceeds card capacity), the card may silently discard the excess traffic above the card capacity of 12K TPS without any congestion alarm. Workaround: Sum of MAXSLKTPS of all links on a 4-port IPSG card should not exceed 12K TPS. Configure MAXSLKTPS same as RSVDSLKTPS whenever there is no specific reason for configuring MAXSLKTPS higher than RSVDSLKTPS.

Table 8-2 (Cont.) EAGLE Release 48.0 Customer Known Bugs (December 2025)

Bug Number	SR	Severity	Title	Customer Impact
31959811	N	3	R46.5.1.20_4PORT: Dynamic DB goes into inconsistent state after congestion is cleared on 4 Port	The DDB Inconsistent alarm will be observed when links get congested followed by the route failure to a non-adjacent node. There is no traffic impact and DDB alarm will be cleared in the next DDB audit. Workaround: The aud-data:type=ddb command can be executed if the alarm needs to be cleared immediately due to this particular issue.
32001102	N	3	Rel.46.5.1.20_FT:upg_drms.c and mdb_mtls.c severity 1 observed while performing major upgrade from eagle release 46.5.1.10.0-70.51.0 to 46.5.1.20.0-77.2.0	No traffic impact.
32028844	N	3	Rel.46.5.1.20_FT:OA&M IP Security feature risk alarm not observed after major upgrade from eagle release 46.5.1.10.0-70.51.0 to 46.5.1.20.0-77.2.0	No traffic impact.
32056273	N	3	Rel.46.5.1.20_FT:DB-DIFF observed on newly provisioned SFAPP card in LEARN/TEST mode	No traffic impact. There are two workarounds: 1. Execute the "`rtrv-vlr-prof`" or `rtrv-vlr-roaming`" command after the sync before executing the commands to configure a new SFAPP card. 2. If the new SFAPP card reports DB-DIFF then re-initialize the SFAPP card. Re-initialization will be resolve the DB-DIFF.
32180217	N	3	R46.5.1.20_4PORT:Severity 1 "radbvdcm.c" is observed on 4 Port SLIC IPSG	No traffic impact.
32599847	N	3	Rel.46.9.1_ST:INIT-SYS causes DDB INCONSISTENT issue on IPSG/E1T1 card	INIT-SYS in not a normal operational command and is only used in emergency situations. Normally a customer would not attempt to initialize cards by application type. No impact unless cards could not be initialized and DDB normalized for each individual card if customer executed init-sys.

Table 8-2 (Cont.) EAGLE Release 48.0 Customer Known Bugs (December 2025)

Bug Number	SR	Severity	Title	Customer Impact
32622846	N	3	Rel46.9.1_ST: ATM links are taking around 20 mins to come IS-NR after initialization	There is no impact, just a delay, but the links come up in service. However, this could impact future software upgrades if customer has a large quantity of ATM cards/ links. The upgrade may not complete during a standard maintenance window.
32622893	N	3	Rel.46.9.1_ST:Obit "Module restart.c Line 1590" observed on E1T1 card while inh/alw IMT bus	No Operational Impact on Eagle STP.
34528313	N	3	R47.0_ST: Observed severity 1, slog_utl.c Line 644 Class 01c7 during incremental upgrade phase 3	No impact to customer traffic.
36239284	N	3	R47.0.0.2_GL:Eagle sending SHUTDOWN-COMPLETE when SHUTDOWN-ACK message is received in Established state	Could cause loss of traffic as association is aborted or reset by peer node.
36615603	Y	3	MASP Disk read failure observed while taking Backup on External Server	No impact on traffic and corrective measures implemented following published KM documents.
37076262	N	3	copy-disk fails with module tco_oamhc.c - error writing table 641 on standby TDM	Post upgrade to R48.0 the file size of BLDC32 has increased from 10MB to 11MB, when the copy-disk command is executed it fails with a table size mismatch. Workaround: Standby OAM needs to be repaired with the command below. > `chg-db:action=repair`
38519340	N	3	Rel.48.0_ERTC69:Thermal T2 event on STC card causes IPSG links to flap and eroute sockets to go inactive	When card temperature increases from normal T1 level then to T2 level the STC card stops monitoring, which is correct behavior. However, when the temperature on STC card returned to normal/T1 level the STC monitoring did not resume. Therefore, particular STC card won't process the traffic due to the service is inactive on the card. Workaround: Once the temperature is normal, just reboot/restart the card.

Table 8-2 (Cont.) EAGLE Release 48.0 Customer Known Bugs (December 2025)

Bug Number	SR	Severity	Title	Customer Impact
38608264	N	3	R48.0_ST: Observed OBIT restart.c from Line 1597 Class 0001 on e1t1 SLIC card at 1205 | upgrade phase3	Incremental software upgrade script may fail and cards might have to be manually flashed or upgrade script re-started to complete upgrade.
38608634	N	3	R48.0_ST: Observed DMS Error" for table 617 (BLDC64) | Upgrade Error: Timeout occurred waiting on cards to boot| OBIT Module restart.c from Line 1597 Class 0001 on IPSG69 SLIC | Severity 1 Module fst_mgr.c| Severity 1 Module mfctmutl.c	Incremental software upgrade script may fail and cards might have to be manually flashed or upgrade script re-started to complete upgrade.
38632541	Y	3	Queries regarding 0911 - Dynamic database is inconsistent	Affected card missed some DDB updates and workaround is to manually do a DDB audit to update card to clear condition.
38633189	Y	3	R48.0_ST: Observing slicimt_irx line 261,tk_fpga_imt_ Line 1896 & 1922 and obit Module itx_seq_msg. Line 370 Class 0065 while incremental upgrade from 80.27.0 to 80.28.0	No customer impact as the card is being flashed as part of the upgrade process.
38650883	N	3	Rel_48.0:Severity 1 gws_shr.c Line 696 Class 0202 observed after initializing OAM post-upgrade	There is no impact to customer.
38654915	Y	3	Time zone getting changed after MASP switchover during the upgrade of rel 47.1	No impact as workaround is to manually correct timezone via user command.
38657098	Y	3	After upgrade to release 47.1.0.2.0-79.38.0 there is one SLIC E1 link that will not restore	On release 47.1.0.2 some SLIC E1 card links may not restore after the upgrade due to the SLIC HW FISU generation.
38669570	N	3	R48.0_defensics: OBITs | | ath_vxw_mgr. on IPSM card	IPSM card may boot while executing Defensics scan. No impact as Defensics scans are not normal daily tasks.
29408928	N	4	R46.6.3_FT: Incorrect Eagle version is shown in UNIX and LINUX FTRA GUI when CSV files are created and FTRA is completed	FTRA may display incorrect EAGLE release version on the GUI when providing information about generated CSV files upon completion. However, the version mentioned inside the generated CSV files is correct.

Table 8-2 (Cont.) EAGLE Release 48.0 Customer Known Bugs (December 2025)

Bug Number	SR	Severity	Title	Customer Impact
30212669	N	4	Observed pmtc_mgr.c Line 942 during Phase 3 of upgrade	Software upgrade process - Observed pmtc_mgr.c Line 942 during Phase 3 of upgrade.
30914993	N	4	DRMS Init duration has doubled	The time to initialize DRMS has increased by 3 minutes, which means that an OAM will take 3 more minutes to come IS-NR, or go to duplex mode.
31646563	N	4	R46.9_ST: oamhc_init.c Severity 1 with lines 3018 and 3021 is being observed on active OAM	There is no loss of service. Debug output will not be available.
33629173	N	4	R46.9.4_ST: observed OBIT Module ath_vxw_mgr. during flashing of E1T1/ATM EPMB card and Sev1 fst_mgr.c Line 3351 on Active E5OAM during phase 3	No impact to the system, upgrade completed successfully and the cards reporting the OBIT came back into service with no impacts seen to the card functionality and no traffic impact was seen either.
38167555	N	4	R46.9.4_ST: observed OBIT Module ath_vxw_mgr. during flashing of E1T1/ATM EPMB card and Sev1 fst_mgr.c Line 3351 on Active E5OAM during phase 3	No impact to the system, upgrade completed successfully and the cards reporting the OBIT came back into service with no impacts seen to the card functionality and no traffic impact was seen either.
38167555	N	4	IMT failure during NEBs altitude testing	If this condition occurs in a customer environment and physical re-seat of IMT bus cards are required, then this could cause congestion and loss of traffic.
38554324	N	4	R48.0_E1T1: Inconsistent behavior of SLICV3 card while changing CRC4 parameter	The E1/T1 card must be rebooted to implement a new CRC4 parameter change which would impact assigned links on the card during reboot. In normal operations, these parameters are typically not changed after initial setup.
38592805	N	4	ent-serial-num should accept serial numbers in the format YYWWMMXXXX	The correct serial number would not be able to be entered into the system and locked.
38606486	N	4	R48.0_ST: Upgrade did not retry activating blsl932 FLASH (seems print is missing) on failing in PHASE 3	Incremental software upgrade script may fail and cards might have to be manually flashed or upgrade script re-started to complete upgrade.

Table 8-2 (Cont.) EAGLE Release 48.0 Customer Known Bugs (December 2025)

Bug Number	SR	Severity	Title	Customer Impact
38607043	N	4	R48.0_ST: observed imtc_mgr.c Severity 1 from Line 5996 Class 01c3 , and from Line 6035 Class 01d0 on active E5OAM	Incremental software upgrade script may fail and cards might have to be manually flashed and upgrade script re-started to complete upgrade.

9

Oracle References and Services

This chapter describes how to obtain help, where to find related documentation, and provides other general information.

My Oracle Support (MOS)

My Oracle Support (MOS) is your initial point of contact for any of the following requirements:

- **Product Support**:
  The generic product related information and resolution of product related queries.
- **Critical Situations**
  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 Oracle.
- **Training Need**
  Oracle University offers training for service providers and enterprises.

My Oracle Support (https://support.oracle.com) is your initial point of contact for all product support and training needs. A representative at Customer Access Support can assist you with My Oracle Support registration.

Call the Customer Access Support 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:

- For Technical issues such as creating a new Service Request (SR), select **1**.
- For Non-technical issues such as registration or assistance with My Oracle Support, select **2**.
- For Hardware, Networking and Solaris Operating System Support, select **3**.

You are connected to a live agent who can assist you with My Oracle Support registration and opening a support ticket.

My Oracle Support is available 24 hours a day, 7 days a week, 365 days a year.

Product Support

The information in this document addresses the product releases that are currently covered under Premier Support and also some product releases that are no longer covered under Premier Support. See Lifetime Support for your Oracle Application Unlimited Products on the Applications Unlimited Lifetime Support web page for support information.

Refer to the Release Notes of each product release for information related to supported upgrade paths.

Locate Product Documentation on the Oracle Help Center Site

Oracle Communications customer documentation is available on the web at the Oracle Help Center (OHC)Oracle Help Center (OHC) site. 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 OHC.
2. Click **Industries**> **Communications**.
   The Communications Documentation page appears.
3. Under **Signalling and Policy** header, select **EAGLE**.
   The list of entire documentation set for EAGLE Product Line and releases appears.
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, click **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. Only authorized customers with a valid password may download software from the site.

For directions on downloading the software and other information about using this site, click FAQ on the top right corner.