

EAGLE[®] Provisioning Application Processor (EPAP)

Release 10.0

Feature Notice

909-1324-001 Revision B

May 2008



Copyright 2008 Tekelec
All Rights Reserved.
Printed in U.S.A.

Notice

Information in this documentation is subject to change without notice. Unauthorized use, copying, or translation of this documentation can result in civil or criminal penalties.

Any export of Tekelec products is subject to the export controls of the United States and the other countries where Tekelec has operations.

No part of this documentation may be reproduced, translated, or transmitted in any form or by any means, electronic or mechanical, including photocopying or recording, for any purpose without the express written permission of an authorized representative of Tekelec.

Other product names used herein are for identification purposes only, and may be trademarks of their respective companies.

RoHS 5/6 - As of July 1, 2006, all products that comprise new installations shipped to European Union member countries will comply with the EU Directive 2002/95/EC "RoHS" (Restriction of Hazardous Substances). The exemption for lead-based solder described in the Annex will be exercised. RoHS 5/6 compliant components will have unique part numbers as reflected in the associated hardware and installation manuals.

WEEE - All products shipped to European Union member countries comply with the EU Directive 2002/96/EC, Waste Electronic and Electrical Equipment. All components that are WEEE compliant will be appropriately marked. For more information regarding Tekelec's WEEE program, contact your sales representative.

Trademarks

The Tekelec logo, EAGLE, G-Flex, G-Port, IP7, IP7 Edge, and IP7 Secure Gateway are registered trademarks of Tekelec. TekServer, A-Port, and V-FLEX are trademarks of Tekelec. All other trademarks are the property of their respective owners.

Patents

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

U.S. Patent Numbers:

5,732,213; 5,953,404; 6,115,746; 6,167,129; 6,324,183; 6,327,350; 6,456,845; 6,606,379; 6,639,981; 6,647,113; 6,662,017; 6,735,441; 6,745,041; 6,765,990; 6,795,546; 6,819,932; 6,836,477; 6,839,423; 6,885,872; 6,901,262; 6,914,973; 6,940,866; 6,944,184; 6,954,526; 6,954,794; 6,959,076; 6,965,592; 6,967,956; 6,968,048; 6,970,542; 6,987,781; 6,987,849; 6,990,089; 6,990,347; 6,993,038; 7,002,988; 7,020,707; 7,031,340; 7,035,239; 7,035,387; 7,043,000; 7,043,001; 7,043,002; 7,046,667; 7,050,456; 7,050,562; 7,054,422; 7,068,773; 7,072,678; 7,075,331; 7,079,524; 7,088,728; 7,092,505; 7,108,468; 7,110,780; 7,113,581; 7,113,781; 7,117,411; 7,123,710; 7,127,057; 7,133,420; 7,136,477; 7,139,388; 7,145,875; 7,146,181; 7,155,206; 7,155,243; 7,155,505; 7,155,512; 7,181,194; 7,190,702; 7,190,772; 7,190,959; 7,197,036; 7,206,394; 7,215,748; 7,219,264; 7,222,192; 7,227,927; 7,231,024; 7,242,695; 7,254,391; 7,260,086; 7,260,207; 7,283,969; 7,286,516; 7,286,647; 7,286,839; 7,295,579; 7,299,050; 7,301,910; 7,304,957; 7,318,091; 7,319,857; 7,327,670

Foreign Patent Numbers:

EP1062792; EP1308054; EP1247378; EP1303994; EP1252788; EP1161819; EP1177660; EP1169829; EP1135905; EP1364520; EP1192758; EP1240772; EP1173969; CA2352246

Ordering Information

To order additional copies of this document, contact your Tekelec Sales Representative.

Table of Contents

Feature Notice	FN-1
Introduction	FN-1
Important Operational Changes	FN-1
New Features for EPAP 10.0	FN-1
Compatibility	FN-1
96M Database on E5-SM4G card	FN-2
Feature Control Requirements	FN-2
Hardware Requirements	FN-2
Performance and Capacity	FN-2
Feature/System Interoperability Requirements	FN-2
Limitations	FN-2
Related Publications	FN-3
Locate Product Documentation on the Customer Support Site	FN-3
Customer Training	FN-3
Customer Care Center	FN-3
Emergency Response	FN-4
Glossary	Glossary-1

List of Tables

Table 1-1. Compatibility Matrix - EPAP 10.0.....	FN-1
Table 1-2. DN/IMSI Capacity Limits.....	FN-2

Feature Notice

Introduction

Feature Notices are distributed to customers with each new release of software.

This *Feature Notice* includes a brief overview, lists new hardware required (if any), provides the hardware baseline for this release (if applicable), and explains how to find the *Release Notice* and other customer documentation for the EAGLE Provisioning Application Processor (EPAP) Release 10.0 on the Customer Support Site (see [Locate Product Documentation on the Customer Support Site](#)).

Important Operational Changes

There are no UAM, UIM, format, Graphical User Interface (GUI) or error messages that are new or changed in this release.

New Features for EPAP 10.0

EPAP 10.0 has been updated with the 96M Database on the E5-SM4G card feature.

Compatibility

EPAP 10.0 is fully compatible with EAGLE 5 ISS Release 38.0. The Compatibility Matrix - EPAP 10.0 table identifies the compatibility of EPAP 10.0 with other products.

NOTE: The EAGLE 5 ISS must be upgraded to a compatible release before the EPAP is upgraded to 10.0. Only EPAP 8.0 or 9.0 can be upgraded to 10.0.

Table 1-1. Compatibility Matrix - EPAP 10.0

Product	Release	Compatibility
EAGLE® 5 ISS	37.0	NC
	37.2	NC
	37.5	NC
	37.11	NC
	38.0	FC

Legend:

FC - Fully Compatible

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

NC - Not Compatible

N/A - Not Applicable

96M Database on E5-SM4G card

The 96M Database on E5-SM4G card feature allows an EPAP system equipped with E5-SM4G cards to support the 96M database capacity using combinations of DN, IMSI and IMEI entries, as currently supported by DSM cards.

NOTE: The PDBA (Provisioning Database Application) will prevent the provisioning of entity types of VMS/GRN. EPAP 9.5 supports the V-Flex feature and cannot be upgraded to EPAP 10.0.

Feature Control Requirements

There are no feature control requirements identified for this feature.

Hardware Requirements

This feature works only on E5-SM4G and/or DSM-4G cards with EPAP-based applications.

Performance and Capacity

The TPS performance of DSM-4G and E5-SM4G cards will not be impacted by this feature. There is no impact in download time from EPAP to SM cards.

Feature/System Interoperability Requirements

The database is supported on EAGLE 5 ISS systems which have both DSM-4G and E5-SM4G cards.

There is no impact on other EPAP-based features on the EAGLE 5 ISS.

A full reload of the database is required after the upgrade to EPAP 10.0. EAGLE DSM-4G and E5-SM4G cards will be required to go to the new database structure after the EPAP upgrade.

Limitations

When this feature is implemented, the capacity limits for combinations of DN/IMSI entries may not support 96M. The new limits for EPAP 10.0 are shown in [Table 1-2](#) . .

Table 1-2. DN/IMSI Capacity Limits

# DN (millions)	# IMSI (millions)
96	0
90	7.5
84	7.5
78	15
72	22.5
66	30
60	30
54	37.5
48	45
36	52.5

Feature Notice

# DN (millions)	# IMSI (millions)
24	67.5
18	75
6	82.5
0	90

This decrease in capacity is based on high-level engineering design for the feature.

Related Publications

For information about additional publications that are related to this document, refer to the *Related Publications* document. The *Related Publications* document is published as a part of the *Release Documentation* and is also published as a separate document on the Tekelec Customer Support Site.

Locate Product Documentation on the Customer Support Site

To view or download product documentation, log into the Tekelec Customer Support site at:

<https://support.tekelec.com/index.asp>

1. Log in with your user name and password. (Click on **Need an Account?** if you need to register).
2. Select **EAGLE** from the Product Support menu.
3. Select the release number from the Release menu.
4. Locate the Notices section to view the latest Feature Notice.
5. Locate the Manuals section to view all manuals applicable to this release.

The documentation is listed in alphabetical order by the manual name. Only the first three manuals display. Click **more...** to see the remaining manuals.

6. Locate the latest revision of the manual name.

Confirm the release number and last available revision.

Select the 936-xxxx-x01 part number to download the complete documentation set with all linked files.

NOTE: The electronic file for this part number is quite large.

7. To view a manual, double-click the manual name.
8. To download a manual, right-click and select **Save Target As**.

NOTE: Customers may print a reasonable number of each manual for their own use.

Customer Training

Tekelec offers a variety of technical training courses designed to provide the knowledge and experience required to properly provision, administer, operate, and maintain the EAGLE 5 ISS. To enroll in any of the courses or for schedule information, contact the Tekelec Training Center at (919) 460-3064 or E-mail eagletrain@tekelec.com.

A complete list and schedule of open enrollment can be found at www.tekelec.com.

Customer Care Center

The Tekelec Customer Care Center offers a point of contact for product and service support through highly trained engineers or service personnel. The Tekelec Customer Care Center is available 24 hours a day, 7 days a week at the following locations:

- Tekelec, USA
Phone:
+1 888 367 8552 (US and Canada only)
+1 919 460 2150 (international)
Email: *support@tekelec.com*
- Tekelec, Europe
Phone: +44 1784 467804
Email: *ecsc@tekelec.com*

When a call is received, a Customer Service Report (CSR) is issued to record the request for service. Each CSR includes an individual tracking number.

After a CSR is issued, the Customer Care Center determines the classification of the trouble. If a critical problem exists, emergency procedures are initiated. If the problem is not critical, information regarding the serial number of the system, COMMON Language Location Identifier (CLLI), initial problem symptoms (includes outputs and messages) is recorded. A primary Customer Care Center engineer is also assigned to work on the CSR and provide a solution to the problem. The CSR is closed when the problem is resolved.

Emergency Response

In the event of a critical service situation, emergency response is offered by the Tekelec Customer Care Center 24 hours a day, 7 days a week. 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 an EAGLE 5 ISS that severely affects service, traffic, or maintenance capabilities, and requires immediate corrective action. Critical problems affect service and/or system operation resulting in:

- 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 Tekelec Customer Care Center.

Glossary

C

CLLI	Common Language Location Identifier
CSR	Customer Service Request

I

ISS	Integrated Signaling System
-----	-----------------------------

