EAGLE® LNP
Application Processor (ELAP)

Release 8.0

Feature Notice

TEKELEC

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Feature Notice

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 on the Customer Support Site.

Important Operational Changes

None

New Feature for ELAP 8.0

ELAP has been updated with the 384 Million LNP Records feature, a quantity feature that increases the LNP capacity from 228 million LNP numbers and number pool blocks to 384 million LNP numbers and number pool blocks per EAGLE 5 ISS node.

384 Million LNP Records

The 384 Million LNP Records feature is a quantity feature that increases the LNP capacity from 228 million LNP numbers and number pool blocks to 384 million LNP numbers and number pool blocks per EAGLE 5 ISS node.

This feature also provides up to 200 thousand location routing numbers (LRNs) and 350 thousand numbering plan area and exchange (NPA-NXX) numbers on a single node.

The 384 Million LNP Records feature is an EAGLE 5 ISS feature. However, the feature interacts with the ELAP and LSMS systems. All of the systems must be at the required release before the 384 Million LNP Records feature can be enabled.

For information on the ELAP component of the 384 Million Records feature, refer to the *ELAP Administration Manual* of your EAGLE 5 ISS Release 39.0 documentation set. For information on the LNP component, refer to the *LNP Feature Activation Guide*.

Feature Control Requirements

The 384 Million LNP Records feature has the following feature control requirements:

- The LSMS, EAGLE 5 ISS, and ELAP systems must be running at the required release levels.

- The 384 Million Records feature for the LSMS must be turned on before the 384 Million LNP Records feature for the EAGLE 5 ISS can be enabled.

- The 384 Million LNP Records feature is a quantity feature. The numbers of LNP records are increased beyond 228 million in increments of 12 million. A FAK for the part number corresponding to the desired increment is required:

  — 893-0110-24: 240 million

— 893-0110-25: 252 million

— 893-0110-26: 264 million

— 893-0110-27: 276 million

— 893-0110-28: 288 million

— 893-0110-29: 300 million

— 893-0110-30: 312 million

— 893-0110-31: 324 million

— 893-0110-32: 336 million

— 893-0110-33: 348 million

— 893-0110-34: 360 million

— 893-0110-35: 372 million

— 893-0110-36: 384 million

• A temporary FAK cannot be used to enable the feature.

• The feature cannot be turned off after being turned on.

• After the feature is turned on, a feature that provides a lower number of records cannot be enabled and turned on.

Hardware Requirements

The hardware requirements for the 384 Million LNP Records feature varies depending on the quantity that is enabled and the version of ELAP that is used.

Table 1-1. Hardware Compatibility Matrix

Quantity FAK Enabled	ELAP 7.0 or Less	ELAP 8.0
<= 192M	Service Module cards	E5-SM4G cards
204M - 228M	DSM cards	E5-SM4G cards
>= 240M	N/A	E5-SM4G cards

NOTE: Quantities of >228M require ELAP 8.0 and LSMS 11.0.

NOTE: Total system TPS capacity cannot exceed 40,000 TPS when E5-SM4G cards are used.

Commands

The following commands are enhanced to support the 384 Million LNP Records feature. For complete descriptions of these commands, refer to the *Commands Manual* of your EAGLE 5 ISS Release 39.0 documentation set.

• **chg/rtrv-ip-card**—Enhanced to support the 384 Million LNP Records feature.
    The following example displays output for the **rtrv-ip-card** command when an E5-SM4G card is used.

```
rtrv-ip-card
    rlghncxa03w 08-05-04 22:12:42 EST  EAGLE5 39.0.0
    LOC 1105
      SRCHORDR   LOCAL
      DNSA       ---------------
```

```
         DNSB      ---------------
         DEFROUTER --------------
         DOMAIN    ---------------
         SCTPCSUM  crc32c
         BPIPADDR  192.168.124.2
         BPSUBMASK 255.255.255.0
      LOC 1107
         SRCHORDR  LOCAL
         DNSA      --------------
         DNSB      --------------
         DEFROUTER --------------
         DOMAIN    ---------------
         SCTPCSUM  crc32c
         BPIPADDR  192.168.124.4
         BPSUBMASK 255.255.255.0
      LOC 1111
         SRCHORDR  LOCAL
         DNSA      --------------
         DNSB      --------------
         DEFROUTER --------------
         DOMAIN    ---------------
         SCTPCSUM  crc32c
         BPIPADDR  192.168.124.3
         BPSUBMASK 255.255.255.0


      ;
```

- **chg-stpopts**—Enhanced to support the 384 Million LNP Records feature.

- **enable/chg/rtrv-ctrl-feat**—Enhanced to enable and turn on the desired quantity of the 384 Million LNP Records feature. The **rtrv-ctrl-feat** command is enhanced to display the status of the 384 Million LNP Records feature after it has been enabled.
  The following example displays output for the rtrv-ctrl-feat command when the 384 million quantity is enabled.

rtrv-ctrl-feat

```
    rlghncxa03w 08-05-09 16:40:40 EST  EAGLE 39.0.0

    The following features have been permanently enabled:
    Feature Name           Partnum    Status  Quantity
    HC-MIM SLK Capacity     893012707  on            64
    Command Class Management 893005801 on         ----
    LNP Short Message Service 893006601 on        ----
    Prepaid SMS Intercept Ph1 893006701 on        ----
    Intermed GTT Load Sharing 893006901 on        ----
    MNP Circ Route Prevent  893007001  on         ----
    XGTT Table Expansion    893006101  on        400000
    XMAP Table Expansion    893007710  on          3000
    Large System # Links    893005910  on          2000
    Routesets               893006403  on          8000
    EAGLE5 Product          893007101  on         ----
    EAGLE Product           893007201  off        ----
    IP7 Product             893007301  off        ----
    Network Security Enhance 893009101 off        ----
    Telnet                  893005701  on         ----
    Port Chk for MO SMS     893009301  on         ----
    SCCP Loop Detection     893016501  off        ----
    LNP ELAP Configuration  893010901  on         ----
    LNP ported TNs          893011036  on     384000000
    LNP ported LRNs         893010501  on        200000
    LNP ported NPANXXs      893009402  on        350000
    15 Minute Measurements  893012101  off        ----
    EIR                     893012301  on         ----
    EAGLE OA&M IP Security  893400001  off        ----
    SCCP Conversion         893012001  on         ----
    SE-HSL SLK Capacity     893013005  on            64
    GPORT                   893017201  on         ----
    APORT                   893016601  on         ----
    IS41 GSM Migration      893017301  off        ----
    MTP Msgs for SCC Apps   893017401  off        ----
```

```
     INP                    893017901  on          ----
     G-Flex MAP Layer Routing  893021701  on          ----
     G-Flex                 893021901  on          ----
  ;
```

Limitations

No limitations are associated with this 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

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