Local Service Management System

Tekelec's Local Service Management System (LSMS) supports the administration of Tekelec's North American LNP solution. The LSMS provides the interface between the NPAC SMS and the EAGLE 5 platform's element management system. It supports provisioning of the EAGLE 5 platform with NPAC data as well as locally administered service provider specific data.

The LSMS is composed of hardware and software components that interact to create a secure and reliable LNP system.The LNP data administered by the LSMS includes:

- Subscription data
- Number pool block data
- Service provider data
- Network data
- NPA-NXX default GTT data
- LRN override GTT data
- NPA split data

LSMS Functions

- Receiving LNP data from NPAC SMS
- Distributing data to the EAGLE 5 LNP
- Administering internal service provider LNP data to support the final global title translation for various services (LIDB, CNAM, CLASS, ISVM, WSMSC)
- Storing NPAC LNP data and service provider LNP data on a persistent local database
- Supporting data audit function between NPAC SMS and LSMS; The audit is initiated by NPAC SMS
- Initiating audits and reconciliation between LSMS and the EAGLE 5 LNP
- Supporting connection management for NPAC and EAGLE 5 LNP communication
- Handling local failures, NPAC communication failures, and EAGLE 5 LNP communication failures and recovery
- Event Logging
- Providing internal data security using one-way encrypted passwords
- Providing a secure interface to NPAC SMS using key list management

- Reporting event notifications and alarms