

NumberManager® Software

Course Title: NumberManager Application and System Administration

Overview: As mandated by the FCC, Service Providers must have a means to easily and quickly move telephone services between eligible telephone service providers allowing for Local Number Portability (LNP). NumberManager is a Local Service Management System (LSMS) tool that helps Service Providers comply with the mandate. Through NumberManager, Service Providers receive and process subscriptions from the Number Portability Administration Centers (NPAC) and update the LNP network elements accordingly through the Network Element Management Systems (NEMS).

In this course, participants will learn how to set up and control the NumberManager and UNIX® operating system for the NumberManager users. Participants will learn how to perform UNIX system administration for NumberManager, set up NumberManager configurations; perform user administration; generate reports; resolve LNP administration problems and manage NPAC security keys. It should be noted that this course does not cover Oracle database administration.

Audience: This course is valuable for individuals who:

- ◆ set up and maintain the NumberManager application
- ◆ set up and maintain the UNIX system for NumberManager
- ◆ set up and maintain the NumberManager security system

Pre-requisites: Participants should have:

- ◆ a basic knowledge of:
 - Local Number Portability
 - service order processing in a telephony environment
 - UNIX system
 - Oracle® database
- ◆ general computer operation skills
- ◆ familiarity with the operation of NumberManager (recommend participants attended Operating NumberManager course)

Course Duration: 2 days

Training Location: Denver, CO

Course Hours: 9:00 AM - 5:00 PM

Maximum Class Size: 9 Participants

Contact: Your respective Customer Manager



Course Outline:

- ◆ **Requirements for Local Number Portability**
 - Introducing local number portability
 - Understanding LNP information types
 - Processing a subscription
- ◆ **Overview of NumberManager**
 - NumberManager's role in the LNP system
 - NumberManager's system architecture
 - System and application administration job duties
- ◆ **NumberManager System Administration**
 - Understanding the NumberManager system
 - Locating NumberManager files and directories
 - Setting up the NumberManager application
 - Administering licenses
 - Running the NumberManager application
 - Setting up UNIX users
 - Finding release information
 - Monitoring the system
 - Adding an NPAC region
 - Maximizing database resources
 - Backing up and restoring
 - Using the Oracle database password repository
 - Collecting statistics for the Oracle Cost Based Optimizer
- ◆ **Getting Started**
 - Configuring your browser
 - Customizing the logon and main menu windows
 - Customizing the main menu display
 - Configuring the appearance of the TN field
 - Logging on the NumberManager application
 - Viewing status of NPAC associations
 - Navigating NumberManager windows
 - Changing passwords
 - Logging off the NumberManager application
- ◆ **Setting Up Contact Information**
 - Managing contact information
 - Managing Service Provider information
 - Managing NPAC information
- ◆ **NumberManager User Administration**
 - Understanding user information
 - Managing security profiles
 - Managing user information
- ◆ **NumberManager Application Administration**
 - Understanding the NumberManager application controls
 - Controlling communications
 - Initiating NPAC switch overs
 - Configuring NumberManager application parameters
- ◆ **Managing Information Flow**
 - Understanding information flow
 - Configuring NPA-NXX groups and excluded lists
 - Configuring a provisioning interface
 - Initializing network elements
 - Resynchronizing network elements
- ◆ **Generating Reports**
 - Managing reports
 - Generating reports
 - Viewing report activities
 - Resubmitting or cancelling reports
- ◆ **NumberManager Security Administration**
 - Understanding security keys
 - Managing NumberManager keys
 - Managing NPAC keys
- ◆ **Putting it all Together**
 - Applying what you have learned