



Teleca Number Management Solution

Maybe you have experienced problems with the growing complexity of number administration, service provisioning or number porting. Perhaps you have identified that major operational changes are required in areas such as customer care and data exchange. Whatever your driving forces are, Teleca has a compelling answer to all of your Number Management problems.

Teleca offers a solution, Teleca Number Management Solution, that addresses the issues many have experienced within the three main areas of number management: SIM-card management, Number and Number plan management and Number Porting message handling. The solution has a rich set of features and support for easy adaptation to specific needs that arise in dynamic and rapidly growing organizations.

Number Portability has great impact on many core business process areas.

Your Customer Relationship Management is affected by Number Portability simply because customers often prefer to keep their old phone number as they switch between different providers. The Teleca Number Management System (Teleca NMS) comprises three functional modules that can be combined into a complete Number Management Solution easing the task of and ensuring quality in Number Portability. Each module comes with a rich set of standard features and a generic user interface. To match the individual requirements of each customer, adaptation and configuration is made prior to delivery.

Number Management (NM) handles all the book-keeping of your numbers including activation of new number series in Number Plans and changing settings such as number type, retailer and number status. The NM module also provides efficient handling of number ranges allocated to network operators and their customers.

SIM Card Management (SIM) stores SIM-data related to subscriptions and security in a central place within your support systems. This module also helps you to order cards from your SIM-card suppliers, handles changed/updated SIM-cards available in the USIM-database (i.e. IMSI Database) and provides the core network with security data (PUK/PIN) related to each subscription, on request.

Number Porting (NP) makes it seamless for any operator to allow its customers to switch between service providers while keeping their old "personal" phone number. The NP module keeps track of the entire porting process and handles all errors that may occur in the porting process.

Teleca is an international consulting company building and applying advanced technology. The company's business concept is to strengthen the customers' market position and time to market. Teleca builds and integrates solutions for technology and software intensive customers worldwide. Core values are honesty, reliability and hard work. The company has 2,700 employees with operations in 15 countries in Asia, Europe and USA.

Functionality overview

Teleca Number Management Solution — is a solution for a fast, cost effective and high quality implementation of a system for number management process handling including integration with an IS/IT architecture.

SIM Management

The SIM module allows for easy creation of SIM orders, specifying different types of cards and profiles, electrical and graphical. It also offers a choice of immediate or scheduled pre-activation as well as a search function for activated cards. Responses from SIM-card vendors are uploaded to the SIM Management module.

Number Management

This module contains all features needed for handling every aspect of number plans including automatic selection of "gold numbers".

A range of features helps you with your number management tasks.

- Search for single or ranges of numbers
- Reserve/Un-reserve a single number or range
- Allocate, change and terminate numbers

The user interface provides easy access to frequent functions.

- Configure alerts
- Set quarantine times
- Create and edit number plans, using rules
- Search for numbers or ranges using patterns
- Reports

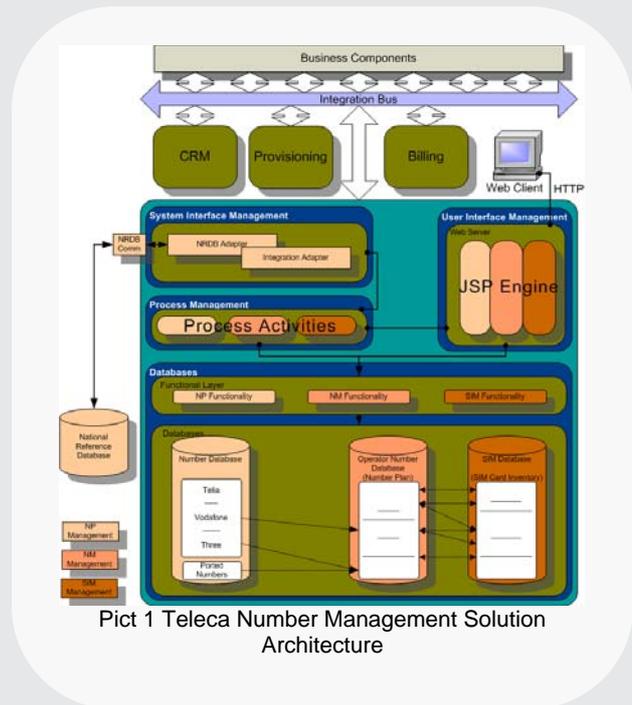
A number of standard fault situations have pre-configured handlers such as fatal system errors and non-fatal errors. Non-fatal errors trigger specific task user interfaces for manual intervention. Alerts can be configured to trigger user interaction at specific thresholds (i.e. insufficient numbers by category and type)

Number Porting – overview

The Number Portability module provides automated handling of porting-messages sent between operators.

The Number Porting module supports:

- Port-in pre-order (supported in some countries)
- Port-in order
- Change of port-in order
- Cancellation of port-in order
- Information regarding External Porting
- Port-out information
- Get porting orders



Pict 1 Teleca Number Management Solution Architecture