



pulse by solutions Number Orchestration Number Management System (NMS)

With the soaring demand and growth of the telecom industry, regulators are dealing with highly complex processes to handle the various market and business dynamics. Regulators and national authorities can no longer rely on traditional manual methods for the assignment, management and allocation of numbering resources. They require a user-friendly system capable of automating the process for seamless number management and allocation.

To support regulators and ensure fast and responsive numbering administration, pulse by solutions has introduced its Number Management System (NMS) platform. The application provides a vast array of functionality features to facilitate and enhance operations for regulators. It allows for efficient, accurate, quick, and traceable operations to efficiently manage the number spectrum.

Benefits for Regulators

- Cost reduction in managing number inventory due to automation
- Time savings during assignment process, thanks to NMS automated workflow
- Integration with other regulator systems such as number portability
- Centralized inventory for number resources to avoid conflict due to manual assignment
- Real-time reporting on entire number plan
- Efficient planning of future consumption with consolidated utilization and forecasted data
- Easy supervision of numbers allocated to secondary assignees
- Real-time updates with NMS notification and alerts

pulse by solutions NMS at a Glance

- Intuitive interface
- Flexible management of numbering resources
- Independent platform
- Easy migration of numbering plans
- Customized billing rates
- Rich reporting
- Web-based software application to automate numbering resource assignments
- Secured access over the internet for numbering assignment requests
- Guiding service providers in submitting complete and correct applications for numbering resources

Key Capabilities

- **Requests Administration:** allows for reservation requests, allocation requests, and return requests. It also has request state transition and tracking, as well as notification of pending requests.
- **Resource Management:** provides regulators and users with resource state transition and tracking, enables them to view assignment history, and edit resource information.
- **Consolidation:** can manage forecasting and utilization with one easy-to-use application.
- **Secondary Assignment Tracking:** enables users to register secondary assignee in NMS; access to notification form to track secondary assignee number assignment and history.
- **Billing:** allows for generation of billable invoices, custom rating per block, and application of business rules to manage golden number rating.
- **Number Plan Exploration:** can generate multiple reports with overview of the entire number plan.
- **Reporting:** allows for generation of reports in different views based on application data. Reports are generated through a user-friendly interface and can be customized to suit the various needs of applicants and regulators.

Features

- **Integration API:** NMS platform offers a rich set of developer APIs that allow external systems to query and trigger the central database.
- **Customizable:** every regulator has their own business process and unique set of regulations while registering numbers. NMS is highly customizable to match customer needs including: customization in license management; number types; billing rates; business rules; application workflow; and reporting.
- **Centralized:** NMS is a web application in a centralized location for storing, accessing, and administering complex number resources and information. It can be accessed through internet or VPN.
- **Scalable:** NMS can be scaled horizontally and vertically to accommodate for growing volumes, various types of operators and number requirements.
- **Secure:** all data communicated through NMS is encrypted via SSL.
- **Data Migration:** regulator number plan can be easily integrated with their operators and licenses data into NMS via migration tool.
- **Intuitive UI:** NMS has a user-friendly interface enabling users to interact intuitively every step of the way.
- **OS & Database Independent:** NMS can be deployed on to any operating system, as well as operate on all popular database engines.