



SI3000 MNS

Managing OPEX and Generating New Revenue with MNS

Customer benefits:

- OPEX reduction with centralised service provisioning and provisioning automation
- Mass service provisioning with single click
- New revenue enabler with rich SOAP/ REST North-bound interface
- Open for integration with third party network elements

The SI3000 MNS is a unique product for centralised network management and OSS/BSS automation. It can be tailor-made for any broadband service provider, enabling the service provider to focus on offering new services and applications to achieve a fast response to customer needs. The MNS has built-in mechanisms for resilient and reliable operation with the possibility to scale seamlessly.

OPEN FOR APPS

The SI3000 MNS is designed as a platform for various applications using valuable information stored in the MNS database. It has a complete inventory of managed network elements, a complete repository of created and provisioned services, the status of subscriber interfaces, and an infrastructure for providing assured services.

MNS IN NETWORK

The SI3000 MNS is developed to support various operator models. The most common scenario is a single-operator case, also called a 'vertically integrated model', where a single provider manages the network, network equipment, provides services, but also offers infrastructure to other retail service operators,

together with a wholesale model (LLU driven). The latest model, primarily driven by regulators, is an open-access model where the network provider gives the ISPs, access to the infrastructure who in turn pay a fee for selling services. The SI3000 MNS is able to adjust to each of those models with its open infrastructure, scalability and flexibility of deployment.

AVAILABILITY AND RESILIENCY

The SI3000 MNS can scale from small to extremely high density. It incorporates a load balancer which is responsible for an equal load share between multiple MNS servers. To protect from disaster situations, the SI3000 MNS is upgraded into a geo-redundant solution where a replica of the main site is established in remote locations to prevent losing control of the network.

EVOLUTION

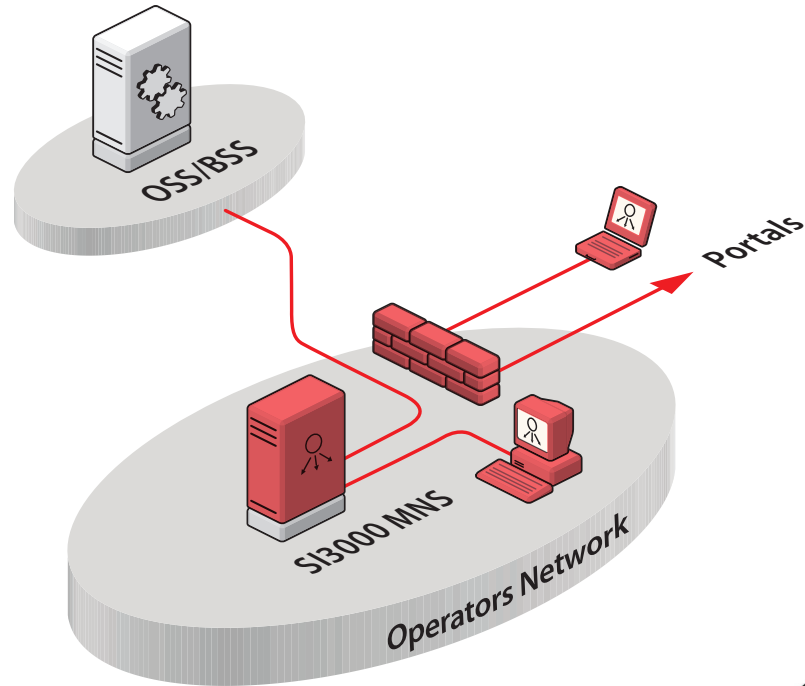
The SI3000 MNS represents a new generation network-management system. Initially it supports an access portfolio, but it will gradually expand to voice and corporate segments.

Key features:

- WEB GUI client
- Service profiles and packages for efficient service provisioning
- Rich OSS/BSS interface
- Open infrastructure for new service deployment
- High level of service customisation
- High-availability and geo-redundancy for reliable and resilient operation
- Evolution of existing MNS

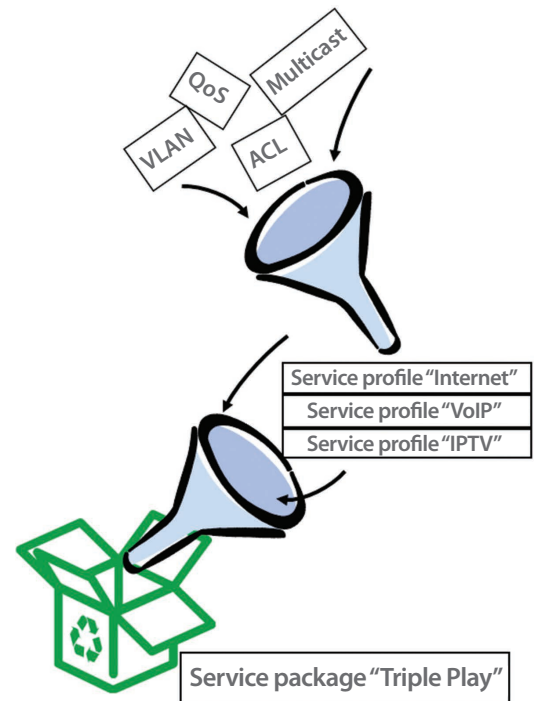
End-user benefits:

- Subscriber tailored services
- Higher subscriber QoE
- Subscriber and service mobility



SI3000 MNS FEATURES

- Centralised service provisioning and monitoring for SI3000 access portfolio (Intelligent Service Access)
- Bundling service specific parameters into service profiles and service profiles into service packages
- Mass service provisioning with GUI or North-bound interface
- New revenue enabler with service oriented OpenMN methods
- Zero-touch configuration for Lumia (ACS)
- Vertical and horizontal platform scalability
- High availability with N-node cluster solution
- High resiliency with geo-redundant solution



SI3000 MNS EVOLUTION

- SI3000 MNS is an upgrade of the existing MNS and will include voice and corporate products in the future
- The existing SI3000 FMS is used for fault monitoring

SI3000 MNS represents an effective and reliable management solution, enhanced with a comprehensive set of functions for service provisioning. With central inventory and services repository, the MNS becomes a true service enabling platform for new applications and revenue.

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