

Altion

Mobile Network Parameter System

Automating the configuration of BTS's and Node B's to reduce effort and cost.

Operators want to **minimize operating costs** and to **automate OSS processes** as far as possible. Configuring BTS's and Node B's requires gathering information from multiple planning and inventory systems. Maintaining the configuration for each node can require increasing effort as a network grows and evolves. **Altion Mobile Network Parameter System (MNPS)** enables highly efficient BTS/Node B configuration and on-going parameter management.

Configuring the network can be **complicated and increasingly costly**. In particular, parameter filling for BTS/Node B has challenges:

Configuring Nodes: Updating nodes correctly means taking information from multiple network systems such as as planning and GIS.

When data has been collated, it is often necessary to make similar changes across a range of nodes. Both the collection and application of data to nodes can be labour intensive, slow and prone to error. This can make the process inefficient and costly.

Making and verifying the network changes: When node updates have been finalized they are submitted to the order process.

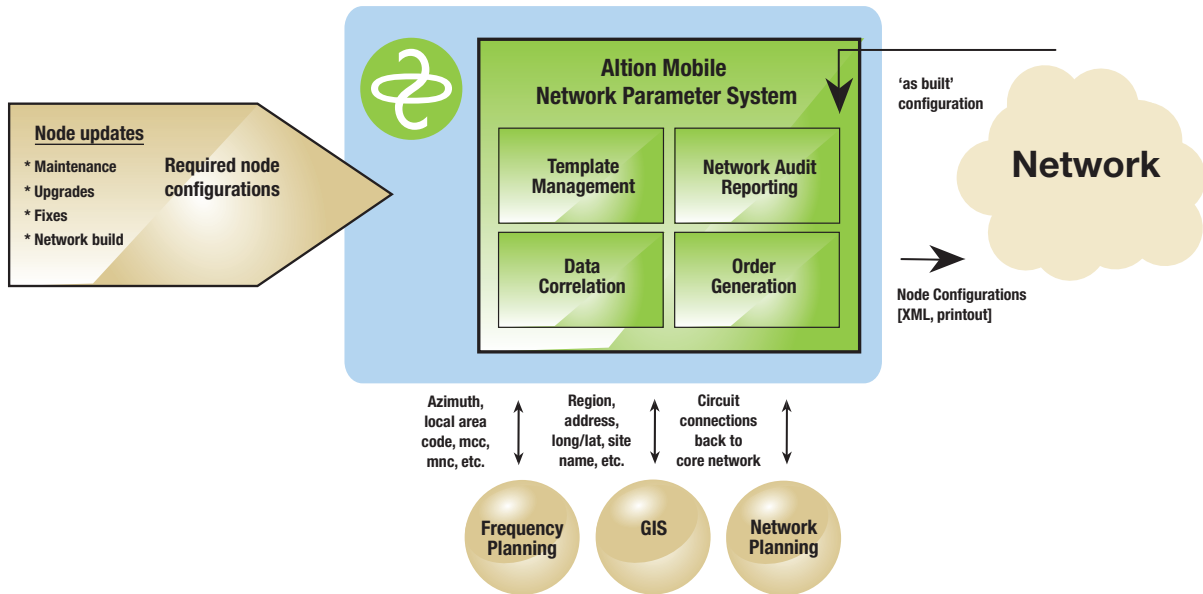
For many operators it is difficult and time-consuming to ensure the correct order is produced and processed which leads to differences between OSS planning systems and the actual network configuration. This problem is caused by the processes and can cause growing delays and inefficiencies.

Altion MNPS enables OSS staff to be highly efficient in accessing and changing the data for BTS's and Node B's. This has an immediate and real impact on OSS costs:

- ✓ **Data correlation:** **Altion MNPS** automatically extracts the relevant data from other OSS systems to ensure the correct parameters are available for each node update.
- ✓ **Data management:** **Altion MNPS** includes node templates and individual node dictionaries to allow easy access, review and use of node data. Altion MNPS allows the creation of relationships between parameters and restrictions to be placed on parameter values.
- ✓ **Neighbouring:** **Altion MNPS** supports the creation of neighbour plans to manage neighbouring within the network. Validation rules ensure maintenance of accuracy of the neighbouring data.
- ✓ **Reparenting:** **Altion MNPS** supports reparenting of Nodes to different RNCs.
- ✓ **Bulk updates:** Node dictionaries may be changed in bulk thus reducing the time and effort required to perform large changes to the network.
- ✓ **IP Management:** **Altion MNPS** provides support for management of IP address information for nodes.
- ✓ **Order generation:** **Altion MNPS** generates XML work order files based on the changes input.
- ✓ **Network Verification:** **Altion MNPS** audits the 'as built' configuration of the network to ensure that orders have been processed correctly. Corrective XML is generated where errors have occurred.
- ✓ **Reports:** **Altion MNPS** provides a flexible reporting system allowing the user to create, edit and schedule the generation of reports.
- ✓ **Access:** **Altion MNPS** can be configured to provide appropriate levels of access for different user groups.

Altion MNPS enables OSS staff to be highly efficient in accessing and changing data for BTS's and Node B's. This has an immediate and real impact on OSS costs.

Altion MNPS can quickly and dramatically reduce the cost of configuration



Using automated interfaces to planning and inventory systems and producing both XML and printed order information - **Altion MNPS** is a highly efficient way to plan, fill and distribute configuration orders for network nodes.

Altion MNPS is a comprehensive solution with features that solve all of the problems with node configuration:

- ✓ Verification and cross-check of parameters per node and node neighbourhood.
- ✓ Configuration templates for all node types.
- ✓ Individual configuration dictionary per node.
- ✓ Generation of XML and printed order information.
- ✓ Comprehensive visibility through web-based screens and powerful reporting.
- ✓ Options to upgrade to fully automated configuration.

Altion MNPS benefits:

- ✓ Reduces time and effort for planning and cross-checking between multiple planning and inventory systems.
- ✓ Reduces incidence of invalid or contradictory configuration orders.
- ✓ Value of management tools (database, dictionaries, templates, reporting) grows as network evolves and grows.
- ✓ Facilitates comprehensive querying or reporting on status of network or individual nodes /neighbourhoods.
- ✓ Delivers real operational value at a price that has little competition in the market.

About Altion

Altion has been providing Operational Systems Support (OSS) products and services for almost 20 years. We are the OSS integrator for some of the largest mobile and fixed line operators in the world and the partner of choice for industry leading OSS solutions. We make OSS work.

Altion supply a range of products and services to the telecoms industry including **Altion DataSync**, **Altion NIS** (Network Inventory System), **Altion Mobile Network Parameter System** and **Altion Services**. **Altion** is a solution partner working with Alcatel-Lucent, Amdocs, Bluestar Infotech, Celona, Comptel(Axioss), Sidonis and TierOne OSS.

Altion Ltd. O'Connell Bridge House, D'Olier Street, Dublin 2, Ireland

Web: www.alition.com Email: info@alition.com Phone: +353 (0)1 8818500 Fax: +353 (0)1 8818501