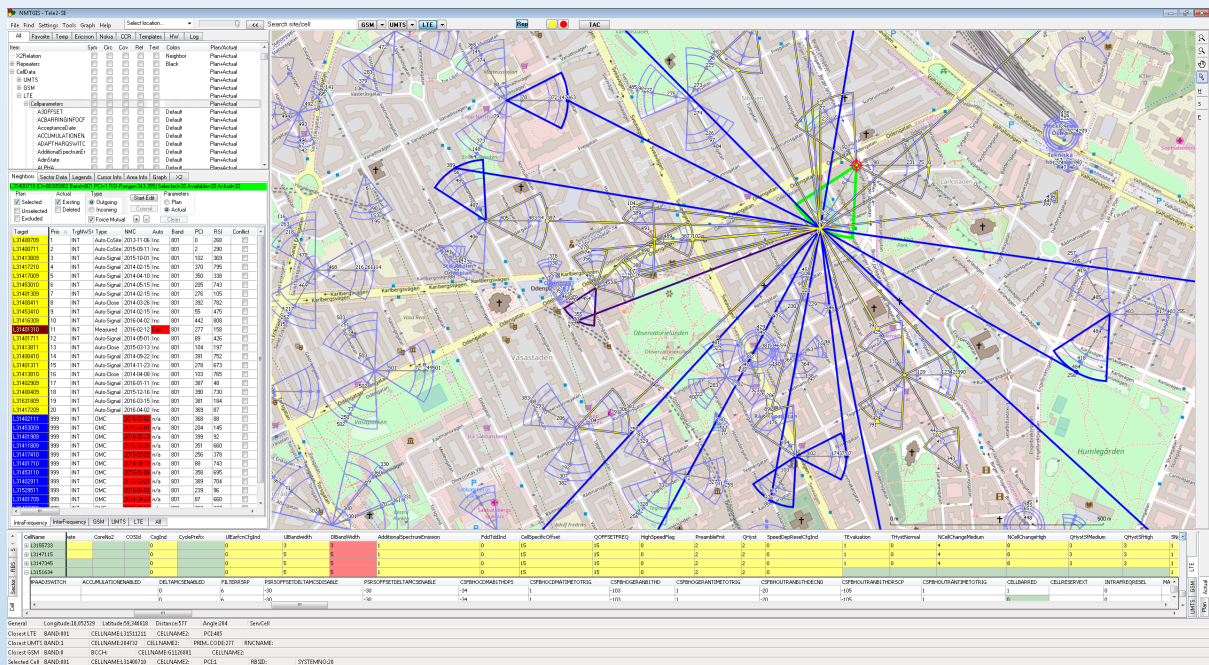


# NMT - Neighbor Management Tool

Fully automated neighbor and code management using SON technologies.



## Automatic Neighbor Calculations

Calculations run daily or on request for entire network using coverage predictions, customizable mobility rules and statistics feedback. The algorithm co-exists with and supports ANR by configuring correct frequencies to maintain mobility rules.

Supports all technologies, shared networks (MOCN), national and international roaming, load balancing, CS-Fallback and FastReturn2LTE. Maintains all external cell definitions in all networks and keeps them up to date as codes, cell identities or location areas changes.

## Consistent planning all over the network

While radio planners tend to focus on their area, NMT sees the network as one entity and does consistent planning with no gaps between areas.

## Handles fast roll-out

With automated neighbor planning, neighbors are always up-to-date, even with hundreds of new sites per week.

# NMT will provide you:

## **Support for shared networks (MOCN), equipment swap and vendor swap**

NMT automatically maintains neighbor lists during migration to shared network and equipment/vendor swapping.

## **Automated code planning and cell range calculations**

Automatic planning of BSIC, PSC, PCI, RSI and CellRadius with active conflict detection / re-planning.

## **Automatic import of OSS dump files and generation of command files**

Dump files are read at scheduled intervals and compared to planned network. Delta files for neighbors and cell parameters are automatically generated in vendor format that can be loaded onto the network directly.

## **Multi-Vendor support**

NMT supports reading and writing of data from/to Ericsson, NSN and Huawei OSS.

## **Multi-Technology**

Supports GSM/UMTS/LTE and all combinations of neighbor relations in between.

## **Full history database**

Tracks all network changes for optimization and troubleshooting purposes

## **Geographical GUI**

For visualization, manual intervention and network troubleshooting. Coverage information, neighbors, cell data, statistics and network alarms can be shown in the same geographical GUI.

## **High performance**

Supports networks with 500 000 cells and 50 000 000 neighbors on a single server.

## **Well established product & supplier**

Canaima Communications was established in 1999 and has had positive result every year since then. First version of NMT was installed in 2001 and NMT is now used by most Scandinavian mobile operators. The Scandinavian market is categorized by complex network configurations with various degrees of shared networks and national roaming.

