



Cura Productsheet TEMS - Operator

Experienced personnel from Cura consulting using TEMS Investigation will Drive test, Analyze and Optimize your Mobile Network



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1 In General

Cura Consulting has long experience within the field of radio and radio planning services towards mobile and wireless operators worldwide.

Cura Consulting has the newest TEMS investigation tool for 2G and 3G networks with 3 TEMS phones to be used for customer projects in the whole Norway and Internationally.

In addition Cura can offer services with TEMS Pocket for simpler tasks.

Here are some of the services that Cura can offer with experienced personnel combined with the equipment.

2 Benchmark the competitors' mobile network

Cura Consulting using TEMS Investigation offers operators the ability to collect, analyze, and post-process the network data used for network monitoring, troubleshooting, and optimization according to your need and requirements.

This complete solution offering experienced Cura consultancies with TEMS Investigation will reduce costs and saving time and effort for operations staff.



3 TEMS Drive test

3.1 Detect and improve coverage problems areas

Test, analyze and identify areas with RxLev below required signal level.

Suggest improvements like change of tilt, azimuth and new sites.



3.2 Detect and improve bad quality areas

Test, analyze and identify areas with RxQual below required level.

Suggest improvements like change of tilt, azimuth and frequency change.

3.3 Detect and improve HO problem areas

Test, analyze and identify areas with HO problems. Suggest improvements like change of HO levels and optimization of Neighbors list.

3.4 Verify the data DL speed in different areas

Verify the subscriber experienced data DL speed for both outdoor and indoor areas.

3.5 Optimize Neighbor list

Perform frequency scanning with BSIC identification to detect the strongest cells in different areas, and suggest updating of neighbor list.

3.6 Optimize Indoor cells

Test, analyze and improve HO levels to and from indoor cells depending on operators' requirements.

4 BTS SWAP verification

Test and analyze of swapped BTS equipment. Verification of sectors, antenna directions, output power and TS test.

5 Benchmark the competitors' mobile network

Cura Consulting will use TEMS Investigation with up to three test mobile phones connected collecting data simultaneously from three Networks Operators.

- Coverage
- Quality
- Data speed



6 Analyze and Optimize

For an individual project it is possible to concentrate on different areas, thus creating a tailor-made Radio Network Improvement service. Based on this selection, the radio network is then analyzed and improved on site in a series of activities.

The result of the activities, together with both long and short-term improvement recommendations are presented to the operator in a comprehensive report.

Activities focus on:

- Coverage
- Interference / Pilot pollution
- Handover
- Dropped Calls
- Neighbour planning
- Antenna tilt/azimuth
- Frequency optimization