



Plan and manage
tactical networks
effectively

Bittium Tactical Network Management™

is a network management toolset optimized to be used with Bittium's tactical networks.

It provides intuitive and visual tools for planning and real-time management of tactical networks. This enables quick and effective deployment of the networks and successful operations.

The tools support Bittium Tactical Wireless IP Network™, Bittium Tough SDR™ and Bittium Tough Comnode™ networks and nodes.

Bittium Tactical Management Suite™, including Bittium Tactical Network Management™ and Bittium Tactical Device Management™, is the perfect solution for sovereign management of tactical devices and networks.

Benefits

Quick and informed deployment of tactical networks based on accurate planning

Real-time and reliable status view of the tactical networks

Optimized network up-time based on quick issue resolution

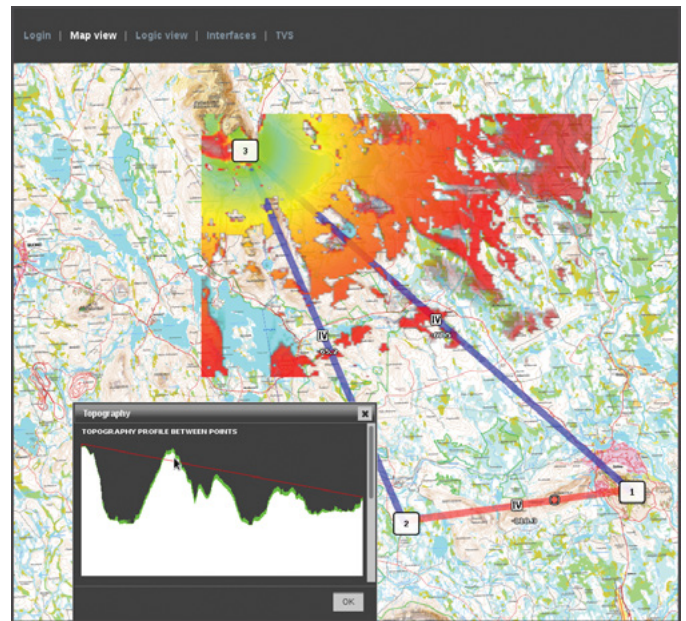
Analyze and debug issues effectively by recording and replaying network activities



PREPARATION

Use the **Bittium Tactical Network Planner Tool™** to

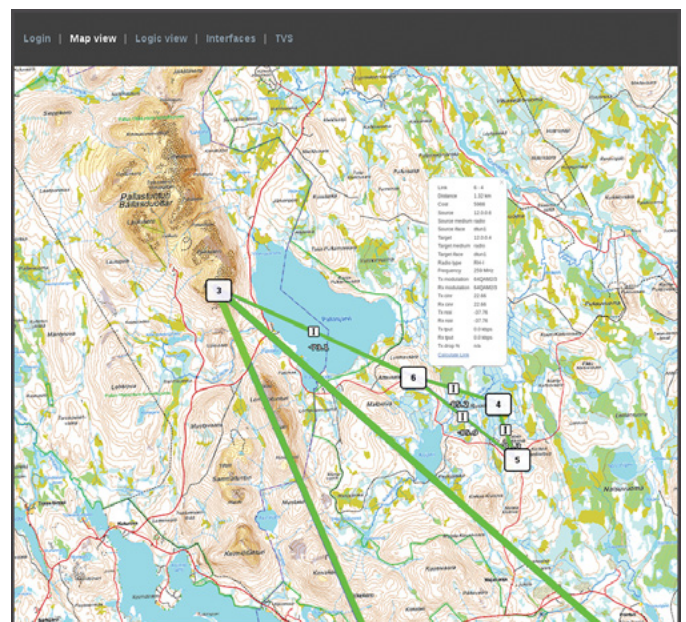
- Optimize network planning
- Verify network connectivity of the chosen network topology with coverage simulations. This helps to define the best position for the radio nodes in addition to estimating both coverage areas and link budgets for selected nodes
- Verify and compare link quality and estimated quality of service against network's geographical coverage and link distances



OPERATION

Use the **Bittium Tactical Network Manager Tool™** to

- Monitor network status in real-time
- Gain in-depth operative information on node configurations and locations
- Monitor link statuses, quality and alarms



Features

- Bittium Tactical Network Planner Tool™
- Bittium Tactical Network Manager Tool™
- Bittium Network Analytics Tool™

Supported network nodes

- Bittium Tactical Wireless IP Network™ (TAC WIN)
- Bittium Tough SDR Vehicular™
- Bittium Tough SDR Handheld™
- Bittium Tough Comnode™
- 3rd party device monitoring functions:
 - PING heart beat
 - OSFP status
 - SNMP selected fields

Supported services

- Bittium Tough VoIP Service™

Supported waveforms

- Bittium TAC WIN Waveform™

Installation software

- Bittium Tactical Network Manager Tool: Windows 7
- Bittium Tactical Network Planner Tool: Debian 8 and Ubuntu 16.04 64-bit

Material parameters

- Supported formats for map material
- PNG / TIFF (Graphics)
- EU-DEM (Elevation model)
- GDAL (Map projection information)
- UTM (Data format)
- OSM (Open Street Map format)

Network traffic overhead

- Can be controlled so that overhead to tactical network is minimal.