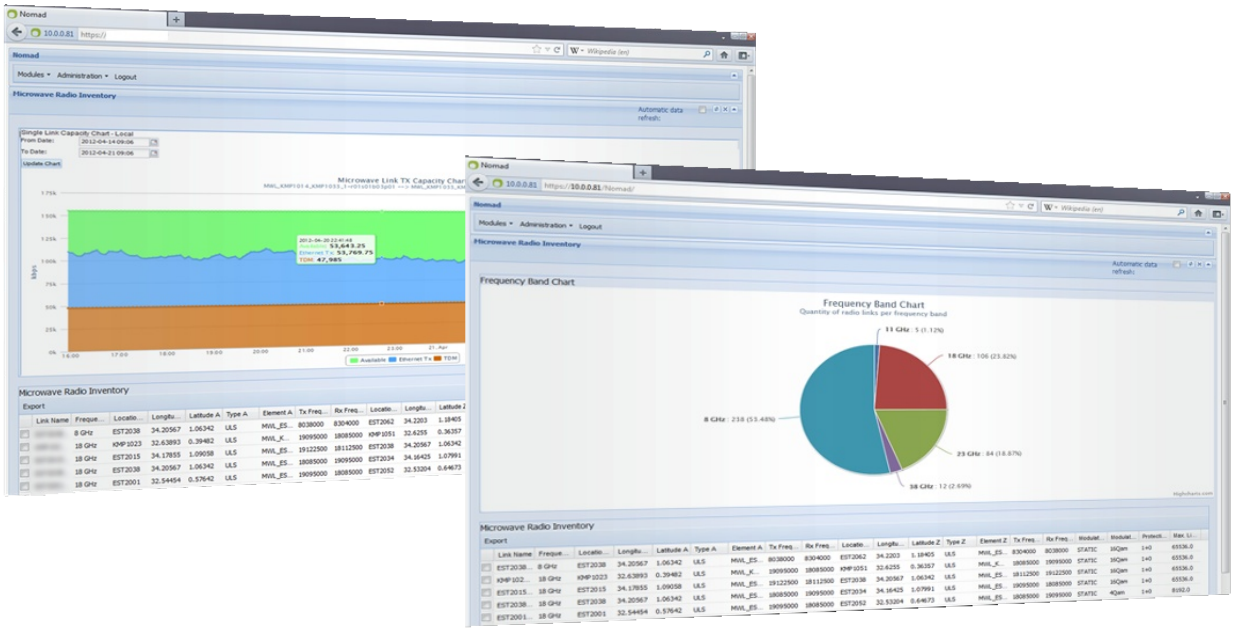
nomad Mobile Backhaul Manager

Product Sheet

Simple application eases effort, reduces cost and assures service of IP transformation in transport networks



Key Features

- **nomad base** for advanced Hardware and Radio Inventory collection and analysis
- Network topology discovery and protection
- Multiple technology/vendor support gives full view of network and equipment
- Follow and forecast Capacity Utilization (TDM, Ethernet) of the backhaul network
- Support IP transformation process with Ethernet traffic monitoring
- Detailed frequency analysis
- Service Assurance: monitor and manage migration process, ensure SLAs are met
- Identify potential bottlenecks in transport network, discover trends
- Drill-down detailed reports for accurate analysis and fault recognition
- Cost control: dimension, deploy, upgrade, allocate capacity to needs

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Mobile Backhaul has become a commodity as operators upgrade their transport networks to Ethernet to handle exploding data rates. Network operators and engineers need the tools to perform backhaul swiftly and flawlessly to minimize cost and churn. This is particularly important in complex networks, whether because of the network topology or the quality of the deployment.

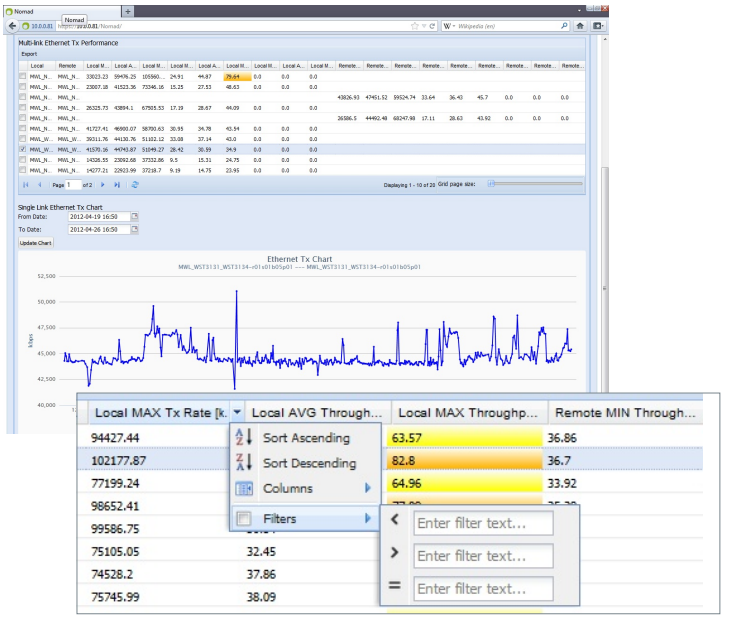
nomad Mobile Backhaul Manager is the application to support IP transformation from TDM to IP/Ethernet. This is particularly challenging as operators need to know the Ethernet traffic trends, by discovering capacity risks, peaks and requirements. This challenge has 2 dimensions:

a) Service Assurance, by providing performance monitoring capabilities, for example covering the capacity requirement at all time for the whole network and

b) Cost Control, providing the means to dimension, deploy, upgrade, allocate capacity as close as possible to the required needs for optimized TCO (Total Cost of Ownership)

This is all managed in a fast, easy-to-use interface.

Mobile Backhaul Manager eases effort, reduces cost and assures service for IP transformation especially in complex transport networks. It relies on **nomad** base for advanced hardware and radio inventory collection, as well as topology discovery and protection, to get a clear view of network and equipment. It supports planning, implementation and control of IP transformation, with advanced capacity usage monitoring and traffic trend analysis and forecasting.



Easy-to-use Interface

Benefits

- Efficient resource allocation and management of exploding data loads
- Accommodate increasing traffic; prevent downtimes and capacity bottlenecks
- Utility maximization
- Reduce effort and increase accuracy of SLA monitoring
- Time savings in operation and troubleshooting
- Simplified management of normally difficult network migration and transformation
- Reduce OPEX
- Design and Planning, Swap, Deployment/Acceptance, Maintenance/Warranty
- Displays full network information in a single web interface
- Combine with Lifecycle Wizards to cut costs hidden costs in the network lifecycle

Network Lifecycle Wizards
DCN Wizard
Link Wizard
Swap Wizard
Accceptance Wizard
Warranty Wizard

Business Intelligence Group Vienna is a network intelligence expert, designing software and performing integrations for network Operators and Vendors, targeting inefficiencies and revealing full network information. **nomad** is a mobile backhaul management OSS augmented by a BI layer. It is used as OEM software by leading operators to maximize transport network resource utilization, achieving cost and time savings throughout the network life-cycle. Layers of complex coding and algorithms collect and analyze network data from multiple technologies and equipment in real-time. **nomad** uses this data to generate easily digestible, measurable and actionable information, revealing KPIs, network inefficiencies and allowing for troubleshooting. Its architecture makes nomad cost-effective, easy to deploy and scalable. **nomad** has been applied by:

To discover exactly how nomad can optimize your network, contact us:

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