DAMM TetraFlex®
Network Management

DAMM TetraFlex® Network Management provides a user-friendly and highly flexible tool for management, supervision and optimization of the DAMM TetraFlex Network consisting of DAMM single-tech and/or multi-tech products.

Reliable and effective network management

The unique graphical DAMM Network Management (NM) system gives you easy access to configuration and surveillance of the entire network. With the NM, correct operation of the whole network can be checked at any time to support high reliability and service for network users. A summarized list of statuses and alarms are automatically displayed and updated for all nodes in the system ready for detailed analysis. The NM application also allows backup and update of new software versions to all nodes in the system in one single process.

Subscriber register management

With direct connection to the subscriber register all organizations, profiles, subscribers, dispatchers, gateways etc. are maintained directly from the NM.

Radio network optimization

A comprehensive network performance logging facility, the DAMM TetraFlex Voice and Data Log System, is directly accessed from the NM to review statistical data for system optimization. Once the Voice and Data Log System has been activated, it will automatically start recording the status of all nodes in the network, such as for traffic load and timeslot distribution without any further configuration steps.

Flexible and user-friendly setup

The NM can be executed at any location with access to the DAMM TetraFlex IP backbone, either on a separate Windows PC or via remote desktop to any of the controllers. The NM can be run on several PCs at the same time.

Multi-technology support

The NM includes multi-technology support – this means that even if you are running a mix of TETRA, DMR and analog technologies, you only need one application to manage your subscribers, groups and base stations. Additionally, it supports simulcast management and configuration of up to four logical carriers in one physical carrier.

Security

The NM security can be linked to Windows user rights to protect against unauthorized changes to system parameters and subscribers.
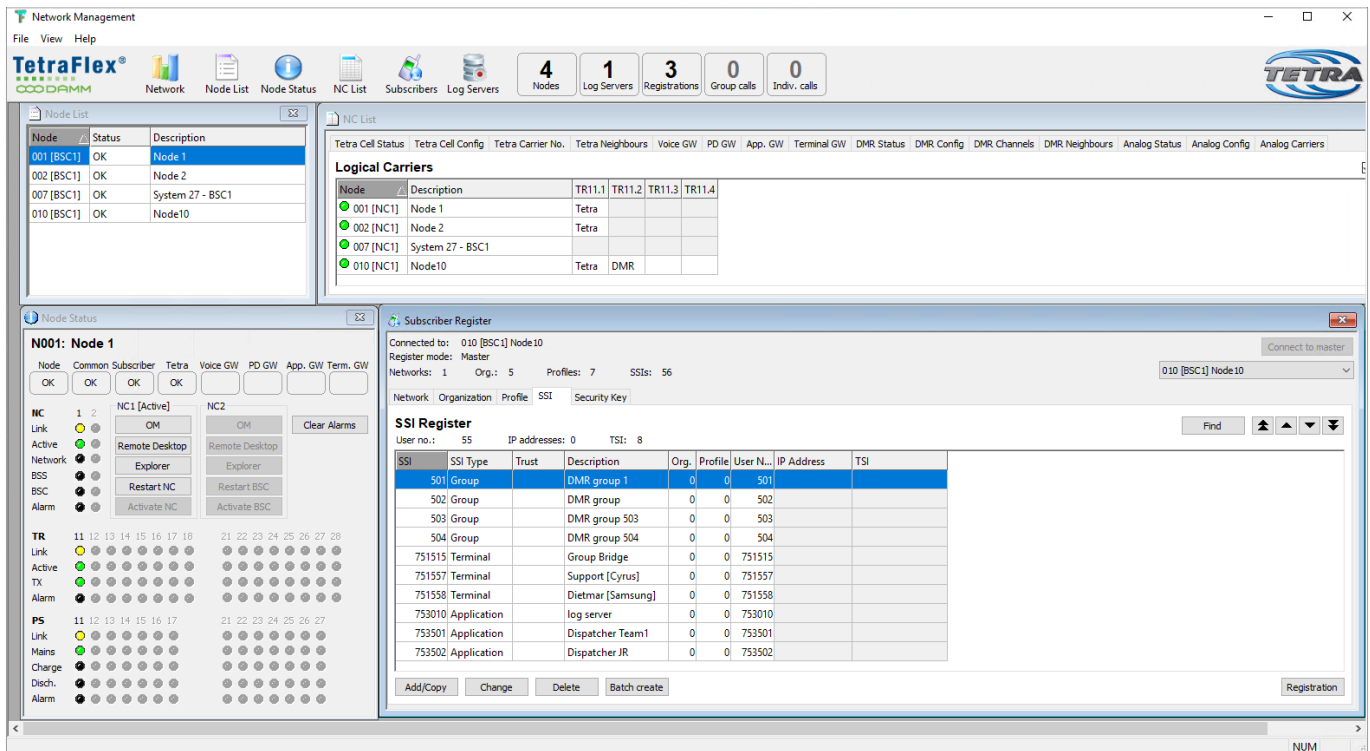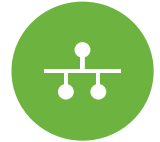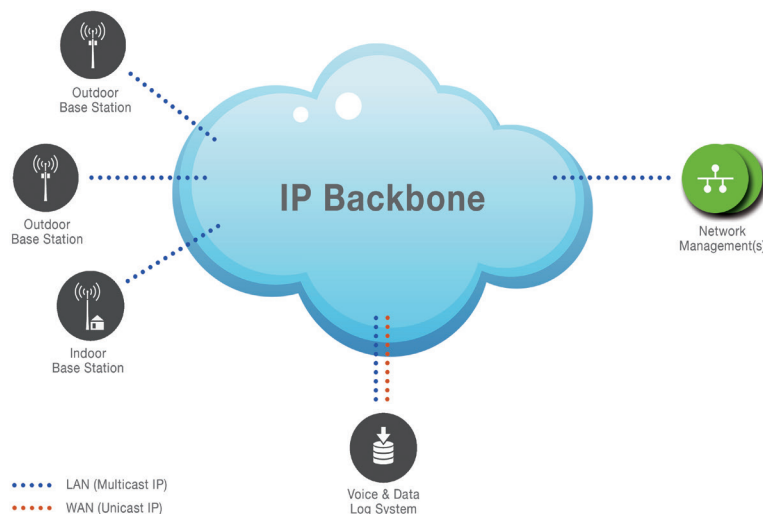
Key features

- Subscriber profile settings (TETRA, DMR and TEDS)
  - Setup, change and maintenance of subscribers, profiles and multiple organizations in the subscriber register
  - Subscriber encryption and/or authentication settings
  - Group, node and service restriction settings
- Complete configuration options for each individual node
- Manual or automatic configuration of neighbour cells
- Detailed listing of status and alarms for each node in the network
- Instant front notification for fast view of status and alarms
  - Number of nodes
  - Number of missing nodes
  - Number of Log Servers
  - Number of alarms (levels 1, 2 and 3)
- Configuration of alarm wave files (sound) for each alarm level (L1, L2, L3)
- Direct access to any node via TetraOM (Operation and Maintenance), remote desktop and Windows Explorer
- Direct access to DAMM TetraFlex Voice and Data Log System

- Access to network performance statistics per node, including
  - Alarms
  - Timeslot distribution
  - Congestion
  - Voice gateway alarm, channels and congestion
  - Packet data gateway alarms
  - Application gateway alarms and congestion

- Anti-jamming management
- Power management
  - Configuration of high and low power output
  - Differentiated power distribution across all logical carriers
  - Automatic reduction of power in case of overheating

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