Navis™ Optical Element Management System

Integrated Management of Lucent optical network elements.
Simplifies and centralizes network management.

Software that can help you:

- Reduce costs with centralized and simplified network operations
- Administer subnetwork elements easily and efficiently
- Reduce downtime and increase customer satisfaction
- Integrate element management of intelligent optical and TDM technologies.

Lucent Technologies
Bell Labs Innovations

Reduce costs with centralized and simplified network operations

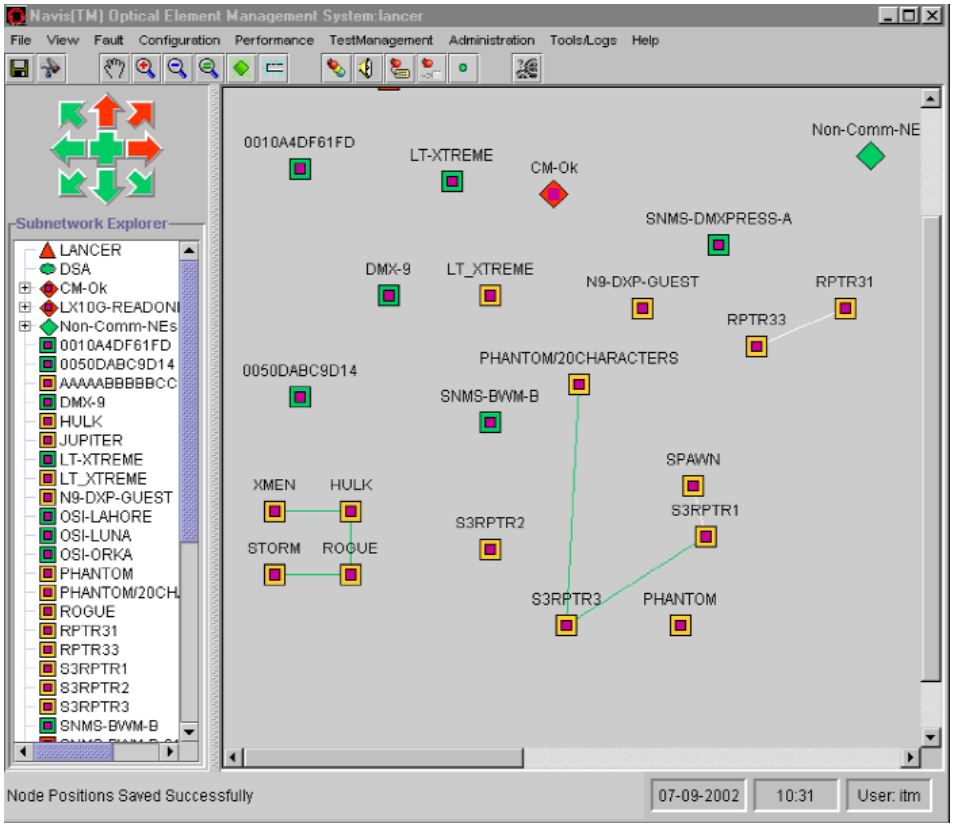
Lucent Technologies optical network element (NE) products offer advanced data transport capabilities and flexible network configurations. However, deploying new or additional transport technologies is not enough to meet your customers' needs for highly reliable, uninterrupted service. You also need an integrated element management system to help simplify your network management and support quality service delivery.

Navis™ Optical Element Management System (EMS) can help you reduce operational costs by automating and simplifying your subnetwork element administration. It provides centralized, remote support of Lucent Technologies optical NEs. Navis™ Optical EMS is designed specifically to take full advantage of the increasing intelligence in Lucent optical NEs. It has the flexibility to support metro and core networks. And its hardware configurations can scale to help meet your operational needs and manage your network cost-effectively.

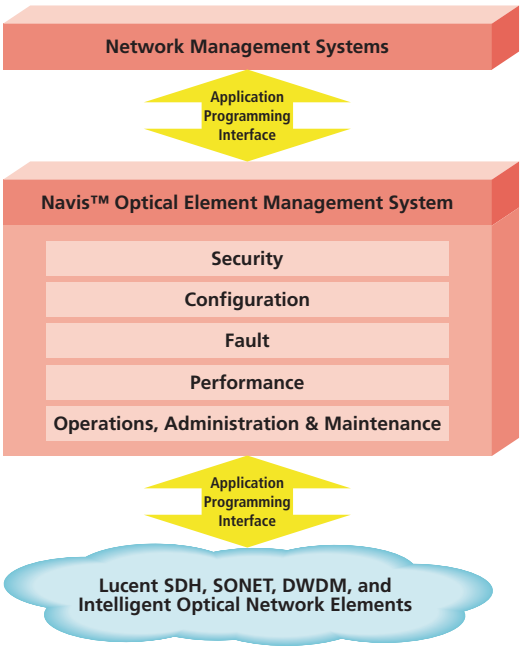
Administer subnetwork elements easily and efficiently

Navis™ Optical EMS helps you administer network resources efficiently and cost-effectively. Using patented Lucent Technologies Dynamic Network Operations (DNO), Navis™ Optical EMS creates an accurate database of your network resources and their status. It provides a full network view so you can see, at a glance, your network layout and status. This graphical view shows your network configuration, the configuration of each NE within your network, and the facilities connecting them. It then maintains this data, dynamically and automatically, so decisions and tasks are based on real-time, accurate information. Provisioning is easier and more efficient since it is supported by the power of a dynamic database and a full view of the network.

Navis™ Optical EMS can also simplify and improve security administration. It centralizes the administration of individual user logins and passwords and provides a powerful and flexible permission scheme that assigns users to NE target groups and command groups.



Easy-to-use GUI enables simple NE configuration and fault management.



Navis™ Optical EMS provides integrated Element Management of multiple optical technologies.

Reduce downtime and increase customer satisfaction

Despite the increasing reliability and intelligence of NEs, service-affecting failures can still occur. Therefore, it is vital that potential problems are detected and resolved quickly and efficiently to maintain service and customer satisfaction. Navis™ Optical EMS collects facility and equipment alarms both automatically and on-demand. It maintains a database of the real-time alarm state of your network and displays alarm information graphically and textually.

The user-friendly GUI presents and organizes correlated alarm information clearly. You can act quickly which could significantly reduce outages. The color-coded logical network map uses icons to represent each managed NE. It enables fast, effective fault management through its audible and visual alarm notification, alarm processing, and volume reduction capabilities.

Service quality is critical to customer satisfaction and retention. Increasingly, stringent service assurance commitments are the norm. Navis™ Optical EMS lets you set and monitor NE performance parameters remotely, for a single NE or an entire subnetwork, so you can take corrective action to help ensure customer satisfaction.

High availability options such as geographic or local redundancy for the operating system hardware offer disaster recovery in the event of equipment failure.

Integrate element management of intelligent optical and TDM technologies

Navis™ Optical EMS is consistent with the ITU Telecommunication Management Network (TMN) architecture and can be used as a stand-alone system providing Element Management Layer (EML) functionality. By providing a standard northbound CORBA® interface, it can also function as an intermediary system between Lucent optical networks and a network management system, such as the Navis™ Optical Network Management System (NMS) or a variety of 3rd party network management systems.

Navis™ Optical EMS provides integrated element management of Lucent SDH, SONET, DWDM and intelligent optical networking technologies and helps you view and control various network topologies, across diverse technologies. This gives you a single element management system to manage your current and next-generation networks.

Navis™ Optical Element Management System

Features

- Easy-to-use GUI
- Point-and-click activation of NE cross-connects
- Configuration Management
- Fault Management
- Performance Monitoring
- Scalable architecture
- Centralized and secure user administration
- High-availability and redundancy options
- CORBA® interface to support multivendor solutions
- Lucent Technologies Dynamic Network Operations (DNO) process

To learn more about our comprehensive portfolio, please contact your Lucent Technologies Sales Representative or call +800 11223333 (Europe wide Freephone) or +32 70 22 20 52.

Visit our web site at http://www.lucent.com.

This document is for planning purposes only, and is not intended to modify or supplement any Lucent Technologies specifications or warranties relating to these products or services. The publication of information in this document does not imply freedom from patent or other protective rights of Lucent Technologies or others.

Navis is a trademark of Lucent Technologies Inc.

CORBA is a registered trademark of Object Management Group, Inc.

ONG v1.0802

Lucent Technologies
Bell Labs Innovations