

## NMS/10 C6.1

Nokia NMS/10 System Release 6.1 is an entry level Network Management System for small and medium-sized transmission networks.



### Benefits

- ◆ *for networks consisting of Nokia PDH/Primary rate, Nokia Eksos-Nokia/NERA microwave radio and Marconi Synfonet SDH-elements*
- ◆ *easy-to-use graphical user interface (GUI)*
- ◆ *network-level user data base*
- ◆ *collect alarms and performance data*
- ◆ *inventory management*
- ◆ *configuration management*
- ◆ *view alarm history for a user specified time period*
- ◆ *polling agents and mediation devices*
- ◆ *sort and filter the alarm informations*
- ◆ *run node manager applications*
- ◆ *Windows 2000 based Software-application*
- ◆ *Hewlett-Packard's OpenView Network Node Manager (HP OpenView NNM 7.01)*

Nokia Network Management System/10 (NMS/10) products are part of the Nokia NMS family, which provides management for a network composed of Nokia's telecommunications products. NMS/10 is an element-level management system, and can be used either for small transmission networks, or as part of the management solution for larger networks.

The primary function of NMS/10 is to collect alarms and performance data from the network devices that are managed by the NMS/10 agents and to present the alarm information to network operations staff. PM data can be post-processed using external tools.

Interfaces to integrate Nokia NMS/10 with other Nokia NMS products are included with the System Release. Configuration management of network elements is done by using node managers.

NMS/10 System Frame provides a network-level user interface and database. This supports a selection of separate agents and node managers, as required by the configuration of the network. By combining different programs with NMS/10 System Frame, it is possible to create an integrated network management system for a range of different networks.

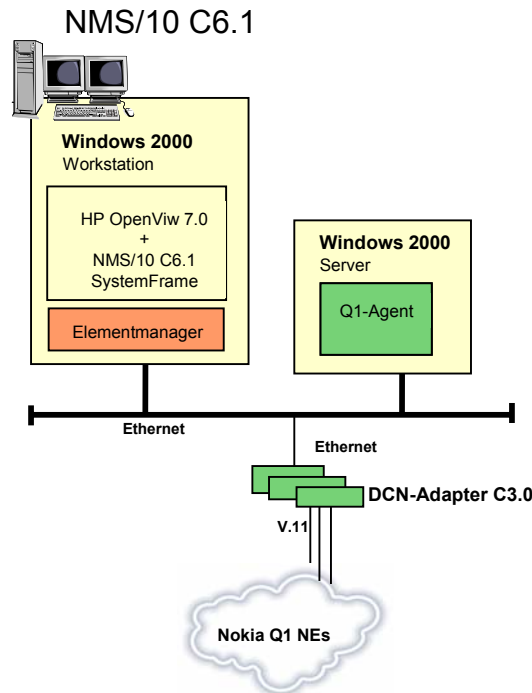
NMS/10 System Frame provides the management system platform. It runs on top of Hewlett-Packard's

OpenView Network Node Manager (HP OpenView NNM 7.01). Nokia has extended HP OpenView NNM to provide a generic user interface for networks consisting of Nokia's network elements. The extension provided by Nokia is what is known as 'NMS/10 System Frame'. However, when referring to the management system, 'NMS/10' is generally intended to encompass both parts.

NMS/10 System Frame provides an easy-to-use graphical user interface for the following network management tasks:

- Create network maps to show the real-time alarm status of nodes operating in a network. The maps are displayed graphically, and can be arranged into hierarchies
- Obtain and display alarm and event information from nodes
  - Sort and filter the alarm information
  - View alarm history for a user specified time period
  - Save alarm information to the database for later analysing and reporting
  - Export alarm information to email and a serial/parallel port in ASCII format (into a serial/parallel printer or to another system) for archiving or further processing
  - Add agents and node managers to the System Frame
  - Print lists of new, cleared, or acknowledged alarms and events
  - Run node manager applications for network nodes to modify their role in the network.

Application:



**Technical specification NMS/10 C6.1**

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| <b>Management system platform</b>  | HP OpenView Network Node Manager 7.01  | 94-105-34870   |
| <b>Mediators</b>   | NMS/10 Mediation Function (NMS/10 MF)<br>DCN Adapter 3.0   | 94-105-34640<br>94-105-34855   |
| <b>Q1-network element management systems</b>                                     | MF-Agent C2.0<br>MF-Manager C2.5<br>Q1-Agent C2.0<br>Macro STE C4.3<br>DB2-Manager C4.2<br>DN2-Manager C5.3<br>Hopper Manager C4.6.1   | 94-105-34620<br>94-105-34490<br>94-105-34885<br>94-105-32660<br>94-105-32780<br>94-105-32630<br>94-105-23880 |
| <b>Supported SDH-Radios</b>  | Nera New-NMS- R7D  | 94-105-32410   |
| <b>Q3-network element management systems (Eksos N20 Node types and Synfonet)</b> | Q3-Agent C2.1<br>Eksos Node Manager C3.2<br>SAN Manager C2.0<br>Synfonet Node Manager C3.60<br>STM-16-Manager C2.0   | 94-105-34710<br>94-105-45620   |
| <b>Capacity</b>  | Max 7.500 FE's (fuctional entities)  |  |
| <b>Hardware requirements of NMS/10 C6.1 SF</b>                                   | <ul style="list-style-type: none"> <li>• PC with a Pentium IV compatible processor, running at a minimum of 1GHz.</li> <li>• The basic NMS/10 System Frame installation requires 1 GB of RAM.</li> <li>• min. 8 gigabytes (GB) of free hard disk space</li> <li>• CD-ROM drive and high-density 3.5" disk drive for software installation.</li> <li>• One or two High-resolution colour monitor. A 17" or larger monitor is recommended.</li> <li>• Mouse or equivalent pointing device with driver software and mouse port.</li> <li>• Printer accessible from Windows if the contents of the windows are to be printed.</li> <li>• Connection to a SMTP-compliant server if alarm information is to be sent via e-mail.</li> </ul> |  |
| <b>Distributor</b>   | Quante Netzwerke GmbH<br>Ahrensburger Straße 8<br>D-30659 Hannover<br>Tel: +49 (0)511 / 74 01 92-0<br>Fax: +49 (0)511 / 74 01 92-100<br>Internet: <a href="http://www.quante-netzwerke.de">www.quante-netzwerke.de</a>   |  |