



ADVANCED CENTRIC SYSTEMS B.V

# NETWORK OPERATIONS MANAGEMENT & SUPPORT SYSTEM

## Product brochure



## THE PROBLEM

Providers of such services as cellular communication employ Operations Support Systems (OSS) to manage their networks.

Operations Support Systems should enable users to handle the activities listed below as a minimum:

- Network management
- Service assurance
- Service fulfillment
- Service configuration

Operators of more substantial, multiple technology networks, both commercial and military, require a dedicated software platform that would enable them to manage both the network and the services it provides.

## THE SOLUTION

ACS presents NOMSS – Network Operations Management & Support System.

NOMSS is a state-of-the-art software platform for managing multiple-technology networks through a single application. Based on a “Manager-of-Managers” concept, the system utilizes existing Operations Support Systems & COTS products to provide a comprehensive and cost-effective network and service management solution.

A graphic user interface enables even operators with a low skill level to operate the system efficiently and keeps the operating team small and streamlined.

A dedicated, robust Root Cause Analyzer enables the user to promptly detect, isolate & resolve network failures.

An end-to-end service activation capability enables prompt provisioning and activation of services and a comprehensive planning application enables planning, validation & activation of network updates with a minimum of errors and through optimal utilization of resources.

NOMSS fully complies with the NGOSS standards and its information model conforms to the TMF SID (Shared Information & Data) specifications. Interfaces with external management systems utilize such protocols as CORBA, MTNM, SNMP, SOAP and MODBUS.

Standard commercial system functions include service assurance (fault management, performance management, Root Cause Analysis, impact analysis and service quality), service configuration and service fulfillment.

In addition to the standard commercial functions, the dedicated military functions offered by NOMSS include contingency planning support, management of field forces & narrowband networks and information displays for decision makers at the tactical & strategic levels.

NOMSS is a highly reliable and fully functional platform designed to ensure effective network operations under all conditions.

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## **KEY FEATURES & MAJOR ADVANTAGES**

### **Key Features & Major Advantages**

- State-of-the-art software platform for managing multiple-technology networks through a single application
- “Manager-of-Managers” concept utilizes existing OSS & COTS products to provide a cost-effective solution
- Graphic user interface
- Root Cause Analyzer promptly detects, isolates & resolves network failures
- End-to-end service activation enables prompt provisioning and activation of services
- Comprehensive planning application enables planning, validation & activation of network updates
- Full compliance with NGOSS standards
- Standard system functions:
  - Service assurance
  - Service configuration
  - Service fulfillment
- Dedicated military functions:
  - Contingency planning support
  - Management of field forces & narrowband networks
  - Information displays for decision makers at the tactical & strategic levels
  - User interface for limited-competence operators