

NQMS*fiber* Training

The Network Quality Monitoring System NQMS*fiber* is a second-generation remote fiber test system (RFTS) designed to help operators meeting the highest quality of service standards, as well as keeping and attracting new subscribers with best-in-class 24/7 triple-play services.

This two-day training is intended for System Administrators and Operator Managers. It covers the functionalities of NQMS*fiber* components and explains the system's features and operation.

Content

- › Introduction to NQMS*fiber*
 - › System layout
 - › Geographical deployment
 - › System components and functionalities
 - › Hardware description
- › OTDR overview
 - › Reflectometry theory
 - › Critical parameters
 - › OTDR specifications
 - › Threshold measurement
 - › Ad-hoc OTDR testing
 - › RTU trace viewer
- › Introduction to RTU user interface
 - › Remote access
 - › Host name TCP/IP
 - › Local settings
 - › E-mail server setup
 - › EMS synchronization
 - › Injection test
 - › EMS default settings preparation
 - › Application of default settings
 - › RTU synchronization with EMS
 - › Port detection
 - › Test queue and result browser on RTU
 - › Optical route configuration

- › System operation
 - › System health and other status
 - › Test hierarchy
 - › Test on demand
 - › Fiber fault management
 - › Alarm definition
 - › Alarm management
 - › Alert notifications creation
 - › Alarm workflow
 - › Increasing/decreasing sensibility
 - › User management (authentication, access rights)
- › Other NQMS functionalities
 - › Topology view creation and management
 - › Report creation and scheduling
 - › Result browser on EMS
- › Hands-on session

Pre-Requisites

Fundamental theory of optical time domain reflectometry.

Methodology

The course can be given using customer's NQMS fiber system or at EXFO factory using a laboratory setup and consist on demonstrations and a hand-on session.

Documentation

Attendees will receive a binder containing copies of presentations and other handouts.

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