OTN-X3M FOR SERVICE ENGINEERS

Course description

- **Target Audience**

  OTN Service Engineers who are responsible for the configuration, daily maintenance and troubleshooting of OTN-X3M networks.

- **Course Prerequisites**

  Basic knowledge of telecommunications and electronics.

- **Course Objectives**

  After the training, the students should be able to:
  o install and replace the HW components of an OTN network
  o use the OTN Management System (OMS) monitor function to indicate and solve alarms
  o use the OMS to set up the network database
  o install OMS and perform upgrades
  o perform the OMS backup procedures

- **Exercises**

  Hands-on training is included.

- **Duration**

  5 days

Contents

- **Introduction into OTN: features, families, technical principles**

  We will start by explaining the key features, terminology and detailed technical principles of the OTN product.

- **OTN-X3M – Installation**

  In this part of the course we will explain how to set up a basic OTN-X3M network. We will learn how to install nodes and system cards and how the nodes are connected via optical fiber.

- **OMS**

  We will learn how to install OMS and remote OMS Clients. The students will use the OTN Management System to :
  o set up a network database,
  o make backups and reports,
  o analyse the general status of the network,
  o find the data they need for corrective actions.
  We will discuss compatibility issues and learn how to perform network upgrades.
  We will explain the functionality of all OMS add-ons.

- **OTN – Applications**

  We will discuss the applications that are supported by OTN. For each of the applicable interface cards, the features and alarm indications will be discussed. The students will install/replace the interface cards, configure the application and (re)connect the peripheral equipment.
  o Legacy : UNIVOICE, RSXMM & E1
  o Video : H264 in OMS- & VMS-mode
  o Ethernet : ET100DAE