

## OTN-150/-600 FOR SERVICE ENGINEERS

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### Course description

- **Target Audience**

OTN Service Engineers who are responsible for the configuration, daily maintenance and troubleshooting of OTN150/600 networks.

- **Course Prerequisites**

Basic knowledge of telecommunications and electronics.

- **Course Objectives**

After the training, the students will be able to:

- install and replace the HW components of an OTN network;
- use the OTN Management System (OMS) monitor function to indicate and solve alarms;
- use the OMS to set up the network database;
- install OMS and perform upgrades;
- perform the OMS backup procedures.

- **Exercises**

Hands-on training is included.

- **Duration**

4 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

- **OTN150/600 – Installation**

In this part of the course we will explain how to set up a basic OTN150/600 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 :

- set up a network database,
- make backups and reports,
- analyse the general status of the network,
- find the data they need for eventual 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.