

# XTRAN FOR SERVICE ENGINEERS (Advanced Functionality Module)

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## Course description

- **Target Audience**

XTran Service Engineers who need deeper knowledge on configuring and troubleshooting advanced OAM features of XTran networks.

- **Course Prerequisites**

The course certificate “XTran for Service Engineers”.

- **Course Objectives**

After the training, the students should be able to:

- configure advanced options (QoS) for optimizing Ethernet services
- use the TXCare to set up tunnels and services for applications using the 7-SERIAL & 8-FXS interface modules;
- explain and configure the advanced DCN options;
- configure SNMP Northbound interface;
- understand and apply the different options for synchronization in an XTran network;
- configure redundant management for the XTran network;
- configure and use features as LNM & Reporting

- **Exercises**

Hands-on training is included.

- **Duration**

2 days

## Contents

- **Advanced Ethernet Options**

We explain & test features like QoS, HQoS and Multi-VLAN. We will also train on the security features that can be used with the Ethernet services.

- **Legacy**

The students will install/replace, configure applications and (re)connect peripheral equipment on the 7-SERIAL module.

- **Telephony**

The students will install/replace and configure the 8-FXS in “SIP-Server”-mode (other options are discussed).

- **SNMP Northbound**

We learn how to configure this add-on, which allows us to convey specific XTran network information to an umbrella management system through SNMP.

- **Synchronization over XTran**

In this chapter, we will explain and configure the different options (SyncE & PTP IEEE1588).

- **XTran Management**

This chapter includes more advanced configuration options for the DCN as well as a discussion and configuration of a redundant TXCare. The Large Network Monitor and Reporting features will also be discussed and trained.