

XTRAN FOR SERVICE ENGINEERS (Advanced)

Course description

- **Target Audience**

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

- **Course Prerequisites**

The course “XTran for Service Engineers” or equivalent knowledge.

- **Course Objectives**

After the training, the students should be able to:

- use all protocols on the 9-L3-L interface module;
- setup & monitor an access network connected to XTran;
- 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;

- **Exercises**

Hands-on training is included.

- **Duration**

3 days

Contents

- **9-L3A-L Interface Module**

We explain & test how the different L3-protocols implemented on this module can be used & configured : OSPF, VRRP. In addition, we discuss LAG.

- **XTran Interface Modules**

The students will install/replace, configure different applications and (re)connect peripheral equipment on the following modules : 7-SERIAL & 8-FXS.

- **Access Networks & XTran**

We discuss & implement the different options to connect access networks to XTran. This includes also the monitoring of these devices. MSTP-interaction will be explained here as well.

- **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.