

XTran for Field Technicians – Course Description

Remark: This course is the short version of the former 'XTran for Maintenance Engineers', now offered under a new name.

Target Audience

Field Technicians primarily responsible for hardware installations and module replacements. The course will be customized to align with the customer's installed base.

Course Prerequisites

Basic knowledge of telecommunications and electronics.

Course Objectives

After completing the training, students will be able to:

- **Identify** and understand **the purpose** of the various components within an XTran node.
- **Install and replace** hardware components in a network with XTran nodes.
- **Connect** user applications
- Perform **basic troubleshooting**, using the visual indications on the hardware.

Exercises

Hands-on training is included.

Duration

1 day

Content

The Basics

- **MPLS-TP** is briefly introduced as the optimal technology for an OT network, with **XTran** presented as the solution provided by Belden.
- We examine the various **hardware components in XTran**. After setting up a small network using essential components, we explore additional interface modules that may be present in your network.
- When available, we'll have a look at the **customer's installation** to familiarize the audience with their own network.

Modules and Connections

- For each Interface Module, we will review the **connection of end user devices** to the IFM ports.

XTran OAM

- This section covers **installation and replacement procedures** for various hardware components, with students gaining hands-on experience.
- We will discuss how **fault conditions** are displayed on the hardware. Students will practice these skills.