



Setting the Standards

2017 Training Classes



OTDR Theory, Operation and Emergency Restoration

This four-day course has been developed with 8 hours of classroom lecture and 24 hours of hands-on labs exercises focused on specific fiber optic disciplines. Developed as the “next level” of training, this class teaches more advanced knowledge and skills to students that have already had formal introductory classes. Course material is predominantly based on technician fiber installation skills and technology, and includes content applicable for FTTx and DWDM systems.

Course Level

Operating an OTDR is more than pressing buttons. You need to be understand OTDR theory and how it applies to the real world. Perform tests at 850/1300/1310/1550 and the new 1490-nm and 1625-nm wavelengths. Gain the knowledge and experience required for maintenance and restoration roles. Test multiple types of fiber including (NZDSF) single mode fibers. We also welcome you to bring in your own OTDR for enhanced training on your equipment.

Certification

OXIN Fiber Optic Technician of OTDR



Complete the Advanced Hands-on Training course and then successfully pass the OXIN Fiber Optic technician—Of OTDR certification exam. The FOT-OSP is designed for those installing outside plant single- mode fiber optic networks.

Course Contents

- Learn how an OTDR works and how to read OTDR signatures
- Set up and calibrate an OTDR to match sheath length.
- Perform the OTDR’s three basic functions: Cable acceptance testing (reel); span and splice loss testing; and emergency restoration.
- Learn how to correctly measure optical return loss using an OTDR.
- Use the OTDR to troubleshoot and locate breaks.
- Learn restoration techniques and develop your own restoration program.
- Fiber outages – How to make the decision between performing temporary versus permanent restoration.
- Use the OTDR’s capabilities for maintenance and restoration.
- New 1625-nm testing for DWDM applications.
- Gainers
- Mode-Field Diameter Issues
- Troubleshooting Procedures
- Types of fiber optic faults
- Use a variable optical attenuator to test the dynamic range of a system.
- Use the OTDR to troubleshoot and locate breaks.
- Learn restoration techniques and develop your own restoration program.
- Cleaning fiber optic connectors
- Connector Verification