

OTDR & Testing Deep Dive Workshop

This two-day instructor-led course focuses on field testing and troubleshooting fiber optic spans/links and explains the various types of equipment and tools needed for acceptance testing, documenting performance, and finding problems in a fiber physical plant. The emphasis is on understanding proper OTDR settings, overall testing, and evaluating results.

Audience: Installers, OSP technicians, maintenance techs, field supervisors, or senior technicians

Prerequisite: Fiber Optics 1-2-3 or field experience with fiber optic testing. Fiber Foundations recommended, but not required

Course Outline

Classroom (1 Day)

Introduction

- Optical Loss Test Sets
- Proper Cleaning and Inspection Tools
- Visual Fault Finders
- Optical Fiber Identifiers
- OTDR Theory and Operation

Testing Demonstrations

Hands-on (1 Day)

OTDR Testing

- Reading OTDR Signatures
- Selecting the Correct Pulsewidth
- Using Launch and Receive Cables or Terminators
- Determining Helix Factor
- Testing Close-in Events
- Bidirectional Testing
- Locating Breaks
- Advanced Trace Analysis
- Acceptance Testing

Optical Loss Testing

- Connector Cleaning and Inspection
- Connector Endface Evaluation
- Testing Transmit and Receive Power
- Calculating Dynamic Range
- Setting Up Tier 1 Testing
- Dual Wavelength Bidirectional Optical Loss Testing
- Creating Multimode Launch Conditions
- Identifying Live Fibers and Tone Identification
- Creating a System Loss Budget

2020 Class Locations

Seattle, WA	January 7-8	Kansas City, KS	March 10-11	Atlanta, GA	September 15-16
Huntsville, AL	January 14-15	Mobile, AL	March 24-25	Las Vegas, NV	October 13-14
Salt Lake City, UT	February 18-19	Seattle, WA	May 19-20	Seattle, WA	December 8-9
Dallas, TX	February 25-26	Tampa, FL	July 21-22		

Certificate



Light Brigade Certificate of Completion

Complete this course and receive a Light Brigade Certificate of Completion.



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Early Bird Pricing*



Two-day workshop..... \$1100

* See page 17 for more information.



Specifications and class dates are subject to change without notice

For training, tools, or equipment:
206.575.0404 • 800.451.7128
www.lightbrigade.com

