

ADVANCED OTDR TESTING

LinxcomUK is providing you with industry standard qualifications in Fibre Optics. The scheme is approved by the UK Qualifications and Curriculum Authority (QCA) to give successful candidates a **Level 2 award**.

With constant changes in the industry, our course content has been updated with the Fibre Optics Industry ensuring the syllabus is both **relevant** and **up-to-date** including industry standards and codes of practice.

1

Introduction

Fibre Fundamentals & Terminology, Safety & Standards

2

OTDR Basics

Schematic, Principles of operation & Standard Features

3

Measurements

Distance, Fibre Loss, Event Loss & Return Loss

4

OTDR Set-Up & Use

Wavelengths, range, Pulse Width, Group Index & Backscatter Coeff.

5

Testing Configurations

Cable Drum acceptance tests & installed system tests

6

Measurement Problems

Launch Problems, Ghosts, "Gainers", Saturation & Linearity problems

7

Efficient Testing

Auto-mode, macros & Re-compute features

8

PC Emulation Software

Format, Analysis, Bi-directional testing, comparison & documentation

9

RFTS & Security Monitoring Systems

Dark Fibre & out-of-band testing for RFTS or security purposes

10

Complex Network Issues

Effects of Splitters, WDMs & Optical amplifiers

11

Specifications

Dynamic Range, Dead zones, 'Bellcore' & Standard Req.

12

Calibration Intervals & Techniques

Stability, Parameters calibrated, linearity, artefacts & methods.

13

Market Overview

Manufacturers, Suppliers & OTDRs available

14

Assessment

Assessment of practical skills, plus written test

Course duration is 3 days. Hours are 9:30am-5pm. Max 6 delegates.

For more information relating to this course or any other courses we have available please contact us at sales@linx-com.com