
Description	This is a specialist certification covering FTTx cabling design and installation, which includes PON networks
Venue	Melksham, Wiltshire
Duration	5 Days
Prerequisite	For technician certification CFOT certificate needed. Those not installing prior knowledge is expected

COURSE CONTENT

Introduction to FTTx Networks

- ◆ Fibre optic basics
- ◆ Why and What is FTTx
- ◆ Options

Overview of FTTx Architectures—Including Point-to-Point and PON's

- ◆ Different FTTx topologies
- ◆ Passive optical networks
- ◆ Active Ethernet RF overlay
- ◆ Splitters

Standards

- ◆ Standards & standards groups

FTTx Installation Methods

- ◆ Fibre specifications
- ◆ Cable and connector types
- ◆ Splice on connectors
- ◆ Panels, closures and cabinets
- ◆ OLT's & ONT's

FTTx Testing (Including PON's)

- ◆ Testing FTTx systems
- ◆ OTDR testing
- ◆ Optical loss testing
- ◆ Maintenance and restoration
- ◆ Fibre identifiers
- ◆ Visual light sources
- ◆ Documentation
- ◆ Typical faults

Exam & Assessment Method

- ◆ Multiple choice exam
- ◆ Assessed practical exercises