

**Description**

This is a specialist certification covering cabling design, planning and documentation, which includes both outside plant & premise networks.

**Venue**

Melksham, Wiltshire

**Duration**

5 Days

**Prerequisite**

For technician certification CFOT certificate required, those not installing prior knowledge is expected

## COURSE CONTENT

### Introduction to Fibre Optic Design

- ◆ Fibre optic design basics
- ◆ Design processes
- ◆ Benefits
- ◆ Reasons for planning

### Overview of Fibre Optic Installation— Outside Plant & Premises

- ◆ Different topologies
- ◆ Overhead & Underground
- ◆ Premises considerations
- ◆ Risers
- ◆ Plenum

### Testing & Documentation

- ◆ Testing systems - OTDR & Optical loss testing
- ◆ Maintenance & Restoration
- ◆ Documentation

### Writing a Project Specification and Other Documentation

- ◆ Design scope
- ◆ Standards & standards groups
- ◆ Geographic & non-geographic records
- ◆ Network Diagrams
- ◆ GANTT Charts

### Choosing Components

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

### Planning a Fibre Optic Network

- ◆ Preliminary surveys
- ◆ Budgeting
- ◆ Detailed surveys

### Estimating

- ◆ Preliminary budgets
- ◆ Forecasting
- ◆ Contingency

### Exam & Assessment Method

- ◆ Multiple choice exam
- ◆ Assessed practical exercises