FOA– CFOT

Certified Fibre Optic Technician

FOA CFOT certification is based on an extensive knowledge of fibre optics technology and application as well as demonstrated skills in appropriate tasks. Most CFOTs work in the industry as contractors or installers. Consultants, network designers, estimators and trainers would also be expected to have such credentials.

However, the CFOT certification has been structured as a general technology certification, not aligned to any specific job function. It is used by all installers, both outside plant and premises installers, two very different applications, plus component manufacturing technicians, network managers, network designers, etc.

Duration: 5 Days

Introduction to Fibre Optics

Introduction

- Fibre Optic Terms
- Metric System
- Fibre optic Communication systems

Health & Safety

- Personal safety
- Material disposal
- Standards and regulations

Installation

Fibre Types

- Multi/Single mode for internal installations
- Type of optical fibre
- Attenuation
- Dispersion
- **Optical Splitters & Couplers**
- WDM, DWDM & CWDM

Cable Types

- Cable types, use and construction
- Loose Tube, & Tight Buffered

Splicing

- Splicing processes
- Trouble shooting
- Splicing parameters

Connectors

- Connectors basics and types
- Termination processes

Installation & Planning Considerations

- Loss budgets
- Choosing components
- Documentation

Testing

Test Equipment and Correct Procedures

- Using the VLS
- Setting up ILM Kit and referencing
- Light Source & Power Meter (ILM) Testing
- Understanding all Test equipment

- Understanding OTDR features and principles
- Event types i.e. Reflective and Non-Reflective
- Macro & Micro Bending explained
- Correct Fault Locating Principles

- Test Leads, Launch & Tail Leads
- OTDR Trace Analysis & Bi-Directional trace interpretation
- OTDR capability and limitation explained
- Workshop with Practical test equipment Use

Note: Those sitting this course combined with the City & Guilds 3667-02 units 2 & 3, will not need to repeat common elements.

Exam and Assessment Method

FOA Multiple Choice Assessment

- Multiple choice exam (100 Questions).

Main Training Centre

Fibreplus Ltd. F1 Avonside Enterprise Park, Melksham, Wiltshire. SN12 8BT