

FOA CFOS certification is based on an extensive knowledge of fibre optics technology and application as well as demonstrated skills in appropriate tasks. .

This is the specialist certification covering fibre optic testing and provides additional training for those who wish to increase their understanding or specialise in the field of Fibre Optic testing. This course covers testing techniques and the use of standard Fibre Optic test equipment (VLS/VFL, Light Source & Power Meter, and OTDR). In addition to time spent on chromatic and polarisation mode dispersion and FTTx testing..

Prerequisites: CFOT or CPCT

Duration: 5 Days

Concepts of Fibre Optic Testing

- Introduction to fibre optic testing
- Common terms used.
- Power & Loss budgets.
- Fibre Types
- Recognising Fibre Issues
- Fibre Equipment types

Fibre Optic Installation & Commissioning

- Stage 1 a,1b and 2 testing
- Optical Loss Budgets
- Fusion splicing, Mechanical splicing and BFA's
- Test leads—Launch and Reference
- Standards
- Testing procedures:
 - i. Acceptance
 - ii. Installed cable
 - iii. Complete system certification
- Documentation

Fibre Optic Fault Finding & Testing

- Introduction to advanced testing & common terms used.
- Power & Loss budgets.
- Connectors
- Testing Equipment & Techniques:
 - i. VLS/VFL testing.
 - ii. Fibre identifier
 - iii. Microscopes
- ILM (Light source & Power Meter)
- OTDR Testing

Understanding Chromatic, Polarisation Mode Dispersion and FTTx Test-

- Effects of PMD and CD
- Limitations
- How to minimise PMD and CD
- How to test PMD and CD
- Additional considerations when testing FTTx
- Optimised test equipment
- Certification tools

Note: Those sitting this course combined with the BTEC Level 3 Advanced Award 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,
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