



ADVANCED FIBRE OPTIC TESTING

COURSE OVERVIEW

This course is a level 3 qualification, the course is aimed at delegates who have completed a level 2 award or have experience within the field of basic fibre testing and fault finding. This is an intensive course with a hands on approach that requires delegates to physically use specialist test equipment to fault find and troubleshoot the network and correctly test and produce the correct documentation for clients.

ASSESSMENT

All delegates will need to complete 30 questions and must complete the assignment paperwork set out by the awarding body, and complete a practical assignment to pass. Homework is given out daily and must be completed prior to the final examination. This identifies strengths and weaknesses and allows the delegates to improve in areas of weakness with guidance from the tutors delivering the course.

WHO IS THE COURSE FOR?

This course is for anybody who has completed the Level 2 Fibre Optics Course wanting to learn more about OTDR Testing and fault finding.

COURSE CONTENT

The aim of the module is to give delegates a more in depth knowledge of setting up test equipment to correctly identify faults, diagnose and rectify problems within a network these would include the following:

- Describe and explain different types of fibre G651, G652, G653, G654, G655 G657
- Setting up Optical Time Domain Reflectometers OTDR's
- Using the correct launch leads
- Video inspection and analysis reports
- Testing on live networks
- Using live fibre identifiers
- Interpreting OTDR test results
- Inserting loss testing ILM
- Optical return loss
- Interpreting ILM test results
- Creating test plans
- Using OLTS
- Performing bi-directional OTDR testing and interpreting test results
- Testing passive optical networks (PON)
- Documentation for client hand over