



PLAN & DESIGN OF EXTERNAL NETWORK INFRASTRUCTURE

COURSE OVERVIEW

This course is designed for delegates who are wanting to move into planning and designing network infrastructure for external networks for deployments of telecommunications infrastructure. The course will enable delegates to plan and design a network focussing on the key elements of the design.

COURSE CONTENT

This course includes the following aspects:

- Describe and interpret a topology suitable for a fibre optic network deployment
- Describe and explain technology to be used within the deployment
- Describe and explain desktop planning, surveying, on site planning
- Describe and explain Passive Optical Networks and Point to Point networks
- Interpret a plan and prepare a preliminary site survey using assured routes, for both underground and overhead networks
- Identify predesigned network routes including the placement of network furniture
- Identify network dimensioning to ensure efficient fibre distribution and network coverage.
- Describe the hazards and controls associated with various environmental conditions

- Describe the standards, legislation and regulations which apply when undertaking site surveys.
- Describe and gather sufficient technical and regulatory information to be able to identify availability and feasibility of proposed routes
- Plan the collection of information in a time scale suitable for achieving demand
- Interpret information, access, and import evidence into an equivalent Generic Network Mapping System.
- Prepare and produce planning documentation in accordance with standards and demand
- Describe and explain network planning decisions when scoping works.

WHO IS THE COURSE FOR?

This course is ideal for:

- Network planners
- Designers
- Project managers
- Build engineers

ASSESSMENT

Assessments will be both written and practical and marked by an internal assessor before being passed to City & Guilds

