Certified Network Infrastructure Design Professional Course

Venue Information

Venue: London UK

Place:

Start Date: 2025-12-15

End Date: 2025-12-19

Course Details

Net Fee: £4750.00

Duration: 12 Days

Category ID: MAL

Course Code: MAL-128

Syllabus

Course Syllabus

Introduction:

The professional part of this program, the Certified Network Infrastructure Design Professional (CNIDP), is designed to significantly elevate the knowledge and skills of the learner within the project delivery life cycle. The program explores the complex issues involved in completing a response to a Request for Quotation (RFQ) or Invitation to Tender (ITT).

Learners will benefit from gaining an understanding of all aspects of the tendering process from RFQ/ITT through to Tender award, and will understand the importance of the bid evaluation process and appreciate the need for thorough, detailed and accurate submittals to the client's project team.

The Contents:

- Information gathering
- CDMQ
- Constraints
- Capacity planning

Standards

- Standards organisations
- Cabling standards
- Installation standards
- Electrical standards
- Network and application standards
- Building Information Modelling (BIM)

Spaces & Working Areas

- Building Entrance Facility (BEF)
- Main Equipment Room (MER)
- Building Distributor (BD)
- Floor Distributor (FD)
- Horizontal/work area distribution

Site Survey

- Site survey process
- Greenfield and brownfield impacts
- Formulation of site survey report
- Cabling Sub-systems (ISP & OSP)
- OSP cabling
- Backbone cabling
- Horizontal cabling
- Network cabling

Network Architecture

- Ethernet
- VoIP
- CCTV
- Wireless
- Access control
- Environmental management
- Fire alarms

Pathways & Containment

- Cable distribution systems
- Raised access floor
- Confined spaces

- Mechanical and non-mechanical
- Regulations and testing

Bonding & Earthing

- Regulations
- Protective Earth (PE)
- Equipotential bonding
- Electrical and UPS

Test & Commission Specification

- Commissioning process
- Certification test methods
- Testing standards

Professional Unit

Understand the Design Process

- Roles of the design team
- Design stages
- Contracts
- Tools and traits for success

Customer Requirements Assessment

- Conducting customer interviews
- Identifying key stakeholders
- Needs analysis
- Scope, plan and schedule

ITT/RFQ Development

- RFP/RFQ objectives and structure
- Formulation of RFP/RFQ
- Scope review
- Bid submission
- Change management

Bid Evaluations & Contract Negotiations

- Bid evaluation techniques
- Shortlist interviews
- Contract negotiations
- Contract award

Project Execution

- Installation and test sequences
- Communication plan
- Manage stakeholder expectations

Administration, Documentation & Plans

- Identification systems
- Test results and reports
- As-built documentation
- Hand-over process
- Warranty compliance

Commissioning & Closure

- Commission and test sequence
- Test results and documentation
- Snag/punch list process
- Customer handover
- Customer training
- Project closure process