



# Certified Network Infrastructure Design Professional Course

## Venue Information

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**Venue:** London UK

**Place:**

**Start Date:** 2025-12-22

**End Date:** 2025-12-26

## Course Details

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**Net Fee:** £4750.00

**Duration:** 12 Days

**Category ID:** MAL

**Course Code:** MAL-128

## Syllabus

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### 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