

# Certified Network Infrastructure Design Professional – Part 1 Course

## Venue Information

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**Venue:** London UK

**Place:**

**Start Date:** 2025-12-15

**End Date:** 2025-12-19

## Course Details

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**Net Fee:** £4750.00

**Duration:** 1 Week

**Category ID:** MAL

**Course Code:** MAL-130

## 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). Participants will get an attendance certificate .

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

## **Core Unit**

### **Design Principles**

- Assess requirements
- 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

- Confined spaces
- OSP cable duct systems

### **Fire Stopping**

- Types & specifications
- 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