



Certified Network Infrastructure Design Professional – Part 1 Training

Description

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 process and appreciate the need for thorough, detailed and accurate submittals to the client's project team.

The Contents:

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

Pathways & Containment

- Cable distribution systems
- Raised access floor
- 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

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