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Assessment Requirements for ICTPMG611 Prepare a detailed design brief

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 2.0.

Performance Evidence

Evidence of the ability to:

- assess the implications of legislation, regulations and standards on project design
- analyse the network and enterprise needs to determine design options
- consult widely to ensure design represents client requirements
- prepare a design brief for building and equipment design provisioning
- prepare detailed design documentation to enable realisation of design.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- explain common client telecommunications applications and related equipment
- identify and critique connections to carrier infrastructure or equipment
- describe cost-effective solutions in planning
- identify and explore current legislation relating to installation of telecommunications equipment and connection to carrier services
- review the range of client premises equipment (CPE)
- outline environmental impacts and options for green information and communications technology (ICT) installations
- review network and transmission equipment
- explain network topologies, and interface and interconnection solutions
- outline work health and safety (WHS) issues that are required to be included in the design brief for:
  - electrical safety
  - materials handling
  - physical hazards

- confined spaces
- heights
- lifting
- review the power requirements and electrical safety of the project
- explain technology of next generation networks (NGN)
- identify test equipment types.

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the telecommunications – project management field of work and include access to:

- sites on which projects may be designed
- relevant databases, legislative requirements and other project related documentation.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume implementation guides are found in VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2