



Australian Government

Assessment Requirements for ICTTEN502 Design a telecommunications project

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 ability to:

- scope design options
- recommend acquisition of land
- prepare justification report including evaluation of environmental impact study (EIS) findings
- produce design options
- prepare completed building design plan for a telecommunications project.

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 access networks
- describe building codes and regulations relating to telecommunications installations
- appraise computer aided design (CAD) software packages used for telecommunications designs
- define core networks and specify the foundation design principles
- describe the Environmental Protection Act and its impact on designing a telecommunications project
- explain implications of heritage listings on a site
- summarise information found in EISs
- explain network performance and capacity
- outline networks planning and procedures
- explain site surveys
- describe acts and regulations attributed to telecommunications.

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 should be typical of those experienced in the telecommunications networks engineering field of work and include access to:

- sites on which projects may be designed
- CAD drawing facilities
- relevant databases, legislative requirements and other site and 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>