



Australian Government

Assessment Requirements for ICTTEN519 Design network building projects

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 7.0.

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- design at least two network building projects.

In the course of the above, the candidate must:

- scope and produce design options
- recommend land acquisition options
- prepare at least two justification reports, including evaluation of environmental impact study (EIS) findings
- prepare completed building design plans.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- required legislation, codes, enterprise policy and requirements, company work practices, regulations and standards, workplace health and safety (WHS) requirements for scoped work
- characteristics of project briefs and design options
- design requirements
- features and information presented in:
 - EIS
 - justification reports
 - field sketches
 - design plans and principles
- physical construction impediments
- access networks

- functions and features of:
 - core networks
 - computer aided design (CAD) software packages used in network designs
 - network performance and capacity
 - site surveys
- Environmental Protection Act (EPA) and its impact on designing network projects
- implications of heritage listings on sites
- networks planning and procedures.

Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry.

This includes access to:

- sites on which projects may be designed
- CAD drawing facilities
- required databases, legislative requirements and other site and project required 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 Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>