



Australian Government

Assessment Requirements for ICTTEN426 Design network 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 2.0.

Performance Evidence

Evidence of ability to:

- identify the most suitable network technology to be deployed for a given requirement
- apply established planning, design or management techniques for project deployment
- produce a design, which is compliant to the techniques, rules and standards of the deployed network.

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:

- outline the following features of a telecommunications network:
 - architecture and geographical categorisations
 - information sources
 - technology and equipment
 - capacity and capability management
 - capacity limitation of various platforms
 - commercial considerations of access network deployment
 - compatibility issues of technology and equipment
 - currency of technology and equipment use
 - enterprise deployment rules and rational
 - exemption process criteria
 - major equipment components of a modern access architecture
 - monitoring techniques to manage the access network
 - network topologies
 - product capability and availability allowable within an access network

- telecommunications access networks issues and challenges
- telecommunications legislation, acts and regulations
- identify and describe key features of common telecommunications networks.

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:

- network planning, design and other site-related documentation
- equipment specifications
- live network of training facilities with simulated network organisational guidelines
- relevant standards and practices 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>