



Australian Government

Assessment Requirements for ICTNPL402

Plan the deployment of access network architectures

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:

- gather data appropriately within information sources and evaluate how the data relates to the access architecture
- source current major equipment and technologies used in an access network and detail their compatibilities
- accurately plan deployment of an access network architecture, including deployment rules, capacity and capability management and monitoring techniques
- complete work within a timeframe typically expected of the discipline, work function and industrial environment.

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 features of an access network, including:
 - architectures and geographical categorisation
 - information sources
 - technology and equipment
- define capacity and capability management
- identify capacity limitation of various platforms
- describe commercial considerations of access network deployment
- identify compatibility issues of technology and equipment
- explain currency of technology and equipment use
- summarise enterprise deployment rules and rationale
- identify exemption process criteria

- identify major equipment components of a modern access architecture
- describe monitoring techniques to manage the access network
- outline network topologies
- identify product capability and availability allowable within an access network
- outline telecommunications access networks issues and challenges.

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 – Network Planning field of work and include access to:

- network design documentation and other site-related documentation
- equipment specifications
- live network or training facilities
- organisational guidelines
- networked computers
- networked telecommunications components.

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>