



Australian Government

**Assessment Requirements for ICTNPL408
Produce planning specifications for
end-to-end service delivery**

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:

- access relevant network information databases to determine the types of end-to-end services and products
- conduct site evaluation assessment accurately
- evaluate capacity and capability of end-to-end services to meet current and future demands
- assess limitations of current end-to-end services and produce specifications to meet future demands
- assess limitations of current building facility and services and produce specifications to meet future demands
- summarise and produce planning briefs to network, sales and marketing planning sections.

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:

- identify emerging technologies, trends and products available overseas that will be in demand in the Australian market
- describe information required to prepare and review limits of:
 - broadband networks
 - data networks
 - facilities and environmental issues
 - fixed access transmission network
 - media and content
 - regional and metropolitan network

- voice networks
- wireless network
- outline the following aspects of network planning:
 - basic network design including routing and redundancy
 - levels of reliability performance standards applicable to specific equipment deployment needs
 - standards and regulations
- describe the distribution structure of networks including:
 - access
 - backbone
 - edge
- outline current equipment and product types to meet future service obligations.

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:

- a network planning area with systems and deployment rules and standards
- end-to-end services and products databases
- relevant workplace procedures
- product and manufacturing specifications
- codes of practice and standards
- manuals and reference materials.

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>