Australian Government

Assessment Requirements for ICTTEN416 Install, configure and test an internet protocol network

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:

- plan and prepare for the IP network installation task
- select network elements to meet client's business specifications
- install, configure and test network elements to ensure interoperability within the network
- apply network topologies, protocols and security issues
- apply solutions to defined network problems.

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 client's business domain, business function and organisation
- describe current industry-accepted hardware and software products
- outline data and voice transmission technologies and protocols
- summarise networking technologies, incorporating substantial depth in some areas
- explain router-based network architectures.

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:

- a site where network installation may be conducted
- field measurement equipment currently used in industry
- network design documentation

- equipment specifications
- network components
- hardware and software
- a live network
- organisational guidelines
- networked (LAN) computers
- a wide area network (WAN) service point of presence.

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