



Australian Government

Assessment Requirements for ICTNWK405 Build a small wireless local area network

Release: 2

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Modification History

Release	Comments
Release 2	Reinstatement of element 'Monitor and administer wireless network' to Elements and Performance Criteria. This version released in ICT Information and Technology Training Package version 3.1
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 1.0.

Performance Evidence

Evidence of the ability to:

- develop, implement and maintain wireless networks
- install, configure and test wireless access points
- test security and network to business specifications
- develop user training material
- monitor and resolve wireless network issues.

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 features of security threats
- summarise the basic principles of network security, including:
 - audit and intrusion detection systems
 - auditing and penetration testing techniques
 - authentication methods
 - network protocols and operating systems
 - security protocols, standards and data encryption
- describe the factors that impact on a small wireless network, including:
 - bandwidth and quality of service

- factors affecting signal quality
- layer 2 and layer 3 design issues
- features of a small office or home office (SOHO) network
- wireless security strategies
- wireless topologies
- wireless local area network (WLAN) solutions
- outline the protocols and their application for wireless networks, including:
 - transmission control protocol (TCP)
 - internet protocol (IP).

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 network industry, and include access to:

- network technical requirements
- network infrastructure, including wireless hardware and software.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

Companion Volume implementation guides are found in VETNet -

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