



Australian Government

Assessment Requirements for ICTNWK620 Design and implement wireless network security

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 6.0.

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- plan, implement and manage wireless network security on a medium size network on at least one occasion.

In the course of the above, the candidate must:

- document requirements, processes and outcomes.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- configuration, verification and troubleshooting procedures for:
 - router operation and routing
 - virtual local area network (VLAN) switching and inter-switching communications
- iDevice Operating System (iOS) and internet protocol (IP) networking models
- intrusion prevention system (IPS) and intrusion detection system (IDS) security protection
- network security threat mitigation strategies
- aspects of wireless, including:
 - industry standard regulations, standards and certifications
 - deployment schemes
 - network security technology
 - network topologies, architectures and elements
 - networking protocols
- WLAN with reference to:
 - advanced security platforms
 - devices, their specification and use

- radio frequency characteristics and their measuring techniques.

Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry.

This includes access to:

- a site or prototype where network installation may be conducted
- industry standard hardware and software, including:
 - live network
 - stand-alone and lightweight WLAN controllers and access points (AP)
 - WLAN site survey tools
 - IDS and IPS
- organisational guidelines.

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 Guide is found on VETNet -

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