Australian Government

Assessment Requirements for ICTNWK621 Configure network devices for a secure network infrastructure

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:

- design, implement and verify network security systems using layer two and layer three devices.

In the course of the above, the candidate must:

- document evaluation 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 to undertake:
  - virtual local area network (VLAN) switching
  - inter-switching communications
  - setting up and securing firewalls
  - tunnelling protocols
- key features of deployment schemes
- iDevice operating system (iOS) and internet protocol (IP) networking models
- local area network (LAN) and wide area network (WAN) implementations
- network address translation (NAT) concepts and configuration, topologies, architectures and elements, networking standards and protocols
- procedures for configuring, verifying and troubleshooting router operations and routing
- secure connectivity and remote access communications, security protocols, such as secure socket layer (SSL)
- key features of VPN technologies.

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 security may be evaluated and tightened
- organisational guidelines, procedures and policies applicable to configuring network devices securely
- required hardware and software LAN and WLAN internetwork technologies and security technologies.

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