



Australian Government

Assessment Requirements for ICTTEN422 Configure and troubleshoot advanced network switching

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:

- build and configure a routed network
- configure a virtual local area networks (VLAN) on a given network topology
- configure VLAN trunking and spanning tree protocols
- establish VLANs over a wireless network
- design and deploy remote access and network security.

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 enterprise work health and safety (WHS) procedures
- explain interVLAN routing
- describe spanning tree protocol
- clarify switch and remote network security management
- describe the tool and equipment required, and their correct usage
- outline troubleshooting procedures
- summarise VLAN trunking protocol
- explain wireless local area network (LAN) set-up and access configuration.

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 configuring advanced network switching may be conducted
- tools, equipment and materials currently used in industry
- relevant workplace procedures, product and manufacturing specifications, codes, 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>