



Australian Government

Assessment Requirements for ICTNWK604 Plan and configure advanced internetwork switching solutions

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 1.0.

Performance Evidence

Evidence of the ability to:

- design, configure and support advanced switched network infrastructure
- implement wireless extension solution with multi-layered (layer 3) switches
- prepare infrastructure to support advanced services
- use network tools.

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 the benefits of formal or structured approach to network management
- summarise business justifications for having integrated and unified enterprise networks
- outline current wireless regulations, standards and certifications
- clarify emerging viable business and social technologies
- explain external developments or factors that affect switched network design
- summarise maintenance and management tools and practices suitable for complex networks to achieve availability and resilience
- outline network topologies
- explain organisational policies for internetworking
- summarise risk management strategies and practices suitable for a complex switched network environment
- outline security for an enterprise-switched environment
- explain security standards and technologies for switched network environments
- summarise switching and routing technologies for an enterprise-switched environment.

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 networking industry, and include access to:

- a site where network installation may be conducted
- hardware and software
- organisational guidelines
- computers
- local area network (LAN) and wide area network (WAN) systems, including voice and video (hardware or software).

Assessors must satisfy NVR/AQTF assessor requirements.

Links

Companion Volume implementation guides are found in VETNet -

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