Australian Government

Assessment Requirements for ICTNWK404 Install, operate and troubleshoot a small enterprise branch network

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:

- specify the network elements
- implement a small switched network
- select and implement the suitable network addressing protocols
- select and install a router
- identify and verify, wide area network (WAN) links
- test and resolve the problems for a small enterprise branch network.

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:

- summarise the design of an internet protocol (IP) addressing scheme
- describe how to install, configure and test the network elements, in order to ensure interoperability within the network
- explain how to apply network topologies, protocols and security solutions and troubleshoot defined network problems.

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:

- a site where the network installation may be conducted
- small enterprise routers and switches
- the network's design documentation

- the equipment specifications
- hardware and software
- the organisational guidelines
- computers.

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-b778-71c9e
9d6aff2

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