



Australian Government

Assessment Requirements for ICTNWK506 Configure, verify and troubleshoot WAN links and IP services in a medium enterprise network

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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:

- plan and prepare for the wide area network (WAN) link installation task
- install and configure WAN links
- configure and troubleshoot the following internet protocol (IP) services:
 - network address translation (NAT)
 - dynamic host configuration protocol (DHCP)
 - access control lists (ACLs)
 - configure and troubleshoot ADSL links
 - configure and troubleshoot VPNs
- document solutions.

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 the basic operation and configuration of internet protocol version 6 (IPv6)
- identify and describe typical router setup and operations, including:
 - ACLs
 - router calling line identification (CLI) configuration
 - router debug commands
- explain typical problems and solutions with WAN link installations.

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 network installation may be conducted
- hardware and software
- organisational guidelines
- computers
- WAN service point of presence.

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-b778-71c9e9d6aff2>