



**Australian Government**

**Assessment Requirements for ICTNWK608  
Configure network devices for a secure  
network infrastructure**

**Release: 1**

# Assessment Requirements for ICTNWK608 Configure network devices for a secure network infrastructure

## 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:

- evaluate network security system requirements
- design, implement and verify network security systems using layer 2 and layer 3 devices
- mitigate threats to network security
- configure virtual private networks (VPNs) for secure connectivity
- evaluate and implement network foundation protection (NFP).

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

- clarify threat mitigation strategies
- outline tunnelling protocols
- summarise VPN technologies.

## 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 or prototype where network security may be evaluated and tightened
- hardware and software
- organisational guidelines, procedures and policies
- computers
- hardware and software LAN and WLAN internetwork technologies
- hardware and software security technologies.

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>