



**Australian Government**

**Assessment Requirements for ICTNWK613  
Develop plans to manage structured  
troubleshooting process of enterprise  
networks**

**Release: 1**

# Assessment Requirements for ICTNWK613 Develop plans to manage structured troubleshooting process of enterprise networks

## 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:

- analyse, document and troubleshoot a given complex network using industry methodologies and resources
- develop monitoring and management plans
- use networking and network fault management tools
- evaluate risk assessments and minimise threats on enterprise networks.

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 benefits of a formal or structured approach to network management
- explain disaster recovery strategies
- summarise emerging viable business and social technologies
- outline enterprise network technologies, design plans and policies
- summarise enterprise network topologies, architectures and elements
- outline external developments or factors that affect network design
- explain internet protocol version 4 (IPv4) and internet protocol version 6 (IPv6) addressing configurations
- outline maintenance and fault procedures
- explain maintenance and management tools and practices suitable for complex networks
- outline networking standards and protocols
- summarise risk management strategies and practices suitable for a complex network environment
- clarify routing and routed protocols
- outline routing and switching technologies for an enterprise environment

- summarise security for enterprise networks
- outline security standards and technologies for network environments
- explain service level agreements (SLAs)
- describe the value and process of conducting a skills audit
- explain troubleshooting and threat mitigation strategies.

## 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 location where the network configuration can be implemented
- routers and switches with appropriate operating systems
- computers
- suitable testing and analysis tools.

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>