



**Australian Government**

# **Assessment Requirements for ICTNWK424 Install and operate small enterprise branch networks**

**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 6.0.

## Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- configure, install and operate one small enterprise branch network
- identify, test and verify performance capability issues for a small enterprise branch network.

## Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- internet protocol (IP) addressing scheme architecture
- network topologies, protocols and security solutions defined network problems
- Open Systems Interconnection (OSI) layers of networking
- Transmission Control Protocol (TCP)
- Network Address translation (NAT)
- dynamic host configuration protocol.

## Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry.

This includes access to:

- a site where network installation may be conducted
- small enterprise routers and switches
- network's design documentation
- equipment specifications
- hardware and software required to install and operate small enterprise branch networks
- organisational guidelines

- computers
- documents including policies and procedures that may affect installation and operation of a network.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

## Links

Companion Volume Implementation Guide is found on VETNet -

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