



**Australian Government**

# **Assessment Requirements for ICTNWK432 Build an enterprise wireless network**

**Release: 1**

# Assessment Requirements for ICTNWK432 Build an enterprise wireless network

## 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:

- select, install and configure required wireless hardware on at least one occasion
- test, monitor, and administer the installation on at least one occasion
- document finalised process.

## 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:

- Industry standard wireless local area network (WLAN) and wireless area network (WAN) solutions, including:
  - audit and intrusion detection systems
  - auditing and penetration testing techniques
  - bandwidth and quality of service
  - factors affecting signal quality
  - layer 2 and layer 3 design issues
  - suitability for small office home office (SOHO) and enterprise local area networks (LANs)
  - transmission control protocols or internet protocols (TCPs/IPs) and applications
  - wireless topologies
- common features of security threats and how to develop a security strategy, including:
  - security protocols
  - standards
  - data encryption
- common network protocols and operating systems.

## 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 at which design, build and implementation of networking and ICT activities may be carried out
- industry standard ICT equipment
- network infrastructure, including wireless hardware and software
- required regulatory documentation that affects networking activities
- organisational guidelines.

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>