



**Australian Government**

**Assessment Requirements for ICTNWK501  
Plan, implement and test enterprise  
communication solutions**

**Release: 1**

# Assessment Requirements for ICTNWK501 Plan, implement and test enterprise communication solutions

## 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 implement an enterprise mail system
- plan and implement an enterprise web portal or content management system
- design and implement business collaboration tools
- configure network, servers and application software to provide optimal performance, meet security requirements and avoid known conflicts
- configure applications to meet customisation requirements
- monitor and test the performance of aspects of the solution.

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:

- identify and describe the features of a mail server application
- describe business collaboration tools
- explain the purpose and use of web portal or content management software
- outline the importance of administering database servers to support portal applications
- describe the key principles of data protection, including:
  - backup and restoration
  - firewall configuration
  - security and authentication practices
- describe the important features of administering a network, including:
  - load balancing for applications
  - server or directory administration
  - infrastructure
  - web server administration.

## 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:

- site where server applications can be installed
- networked servers
- workstations
- switch
- wide area network (WAN) service point of presence.

Assessors must satisfy NVR/AQTF assessor requirements.

## Links

Companion volumes available from the IBSA website:

[http://www.ibsa.org.au/companion\\_volumes](http://www.ibsa.org.au/companion_volumes) -

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