



**Australian Government**

**Assessment Requirements for ICTICT518  
Research and review hardware technology  
options for organisations**

**Release: 1**

# Assessment Requirements for ICTICT518 Research and review hardware technology options for organisations

## 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:

- identify hardware technology improvements for an organisation on at least one occasion, including:
  - analysing and planning approaches to technical problems and management requirements
  - accessing and conveying conceptual information regarding emerging technology in relation to organisational needs
  - forecasting future needs for planning and research purposes and recommending technology options
  - documenting findings in a report and seeking and responding to feedback.

## 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:

- key features of business planning processes applicable to researching technology
- client business needs that can be satisfied by the provision of information and communications technology (ICT) products and services
- current business practices for preparing reports
- current industry and technology information sources
- general features and capabilities of current industry accepted hardware, cabling and software products, and emerging trends and product design
- equipment performance benchmarking
- industry networks, key individuals and organisations within the ICT industry that influence and report on hardware technology
- information gathering techniques required when researching and reviewing hardware technology options
- quality assurance practices that promote reliable investigation processes

- vendor product directions, including those for:
  - access and security products
  - next generation networks
  - self-configuring asymmetric digital subscriber line (ADSL) or cable modem-router-switch for the small office and home office (SOHO) market
  - wireless standards.

## 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:

- network and computer layout documentation and premises plans
- network components
- equipment specifications
- organisational guidelines
- business plan or model
- journals of industry and professional associations.

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>