



Australian Government

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

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:

- 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>