



Australian Government

ICTICT522 Evaluate vendor products and equipment

Release: 1

ICTICT522 Evaluate vendor products and equipment

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 6.0.

Application

This unit describes the skills and knowledge required to evaluate and test a range of vendor products and equipment against a client's organisational requirements.

The unit applies to those in a range of information and communications technology (ICT) areas who are required to assess hardware and software products.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

General ICT

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Establish project parameters	1.1 Evaluate and prioritise business requirements 1.2 Identify conflicting and overlapping business requirements 1.3 Confirm budget and available resources 1.4 Validate business requirements, budget and resource needs with client
2. Identify vendor products and equipment	2.1 Investigate a representative range of vendor products and equipment 2.2 Identify and document interdependencies 2.3 Specify and document technical alternatives available to business 2.4 Determine and document availability of products and equipment

ELEMENT	PERFORMANCE CRITERIA
	2.5 Confirm vendor products and equipment meet Australian and other required standards
3. Test vendor products and services	3.1 Develop valid and reliable test regime 3.2 Establish test environment and calibrate measuring equipment 3.3 Undertake testing of products and equipment and document results 3.4 Undertake revised testing where initial tests are inconclusive or where alternative product configuration may meet business requirements
4. Evaluate vendor products, services and equipment	4.1 Rate vendor products for quality, performance and support 4.2 Rate vendor products for fit with client needs 4.3 Establish product limitations, performance, integration capabilities and costs, and compare with established business requirements 4.4 Prepare cost-benefit analysis
5. Prepare evaluation report	5.1 Document product information in order of preference 5.2 Produce a report specifying preferred product and provide rationale for recommendations 5.3 Submit report to client for approval

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

Skill	Description
Reading	Identifies, analyses and evaluates highly technical documents, diagrams, business strategies and statistical and financial information
Writing	Integrates information and ideas from a number of sources using specialised and cohesive language and formal document structures
Numeracy	- Interprets and analyses a range of statistical and financial data relating to products, equipment and integration costs - Uses a range of software tools to apply statistical and financial functions and prepare a cost-benefit analysis
Self-management	Identifies the legal and regulatory responsibilities related to own work and recognises some legal principles across work contexts
Teamwork	Identifies the requirements of important communication exchanges, selecting channels, format, tone and content according to purpose

Skill	Description
	and audience
Planning and organising	• Develops plans to manage relatively complex non-routine tasks and demonstrates an understanding of how they may contribute to longer term operational and strategic goals • Uses systematic, analytical processes in complex non-routine situations, setting goals, gathering relevant information and identifying and evaluating options against agreed criteria

Unit Mapping Information

Supersedes and is equivalent to ICTICT508 Evaluate vendor products and equipment.

Links

Companion Volume Implementation Guide is found on VETNet -

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

Assessment Requirements for ICTICT522 Evaluate vendor products and equipment

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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:

- determine vendor products and equipment options for an organisation according to requirements on at least one occasion, including:
 - evaluating a range of vendor products and equipment against requirements
 - testing all identified product options
 - documenting the selected items and selection rationale in a report.

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:

- relevance and application of the following for evaluating and selecting products:
 - code of ethics
 - international standards
 - vendor products
 - client business domain
 - copyright and intellectual property
 - general features and capabilities of current industry accepted hardware and software products
- current and future technical systems considerations required by business
- features and functions of relevant hardware components and software products and the interaction between them
- measures required for test regimes.

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:

- client functional requirements
- hardware and software specifications from vendors
- test procedures and activities.

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

Links

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