



Australian Government

ICTICT508 Evaluate vendor products and equipment

Release: 1

ICTICT508 Evaluate vendor products and equipment

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 1.0.

Application

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

It applies to individuals 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 business requirements	1.1 Identify and prioritise business requirements 1.2 Identify conflicting or overlapping business requirements 1.3 Specify 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 the business

ELEMENT	PERFORMANCE CRITERIA
	2.4 Determine and document availability of products and equipment 2.5 Ensure vendor products and equipment meet Australian or other standards
3. Test vendor products and services	3.1 Develop valid and reliable test regime with appropriate measurements 3.2 Establish test environment, including calibrated measuring equipment 3.3 Undertake testing of products or 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 Recommend preferred product, including the reasoning behind recommendations 5.3 Prepare a report containing solution details 5.4 Submit report to client for approval

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Performance Criteria	Description
Reading	1.1-1.3, 2.1, 2.2, 2.4, 2.5, 4.1, 4.2	Identifies, analyses and evaluates highly technical documents, diagrams, business strategies and statistical and financial information

Writing	1.3, 1.4, 2.2-2.4, 5.1, 5.3	Integrates information and ideas from a number of sources using specialised and cohesive language and formal document structures
Oral Communication	1.1, 1.2, 1.4, 2.1-2.4, 5.4	- Elicits and evaluates information using effective listening and open questioning techniques - Uses simple and relevant language to obtain information, confirm understanding, liaise with the client and obtain feedback
Numeracy	1.1, 1.3, 1.4, 4.3, 4.4, 5.2, 5.3	- 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
Navigate the world of work	2.5	Appreciates the legal and regulatory responsibilities related to own work and recognises some legal principles across work contexts
Interact with others	5.4	Actively identifies the requirements of important communication exchanges, selecting appropriate channels, format, tone and content to suit purpose and audience
Get the work done	1.1-1.3, 2.1- 2.4, 3.1-3.4, 4.1-4.3	- Develops plans to manage relatively complex non-routine tasks with an awareness 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 - Actively identifies systems, devices and applications with potential to meet current and/or future needs

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTICT508 Evaluate vendor products and equipment	ICAICT508A Evaluate vendor products and	Updated to meet Standards for Training Packages	Equivalent unit

Code and title current version	Code and title previous version	Comments	Equivalence status
	equipment		

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for ICTICT508 Evaluate vendor products and equipment

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Performance Evidence

Evidence of the ability to:

- establish business requirements
- evaluate a range of vendor products and equipment against requirements
- test and select the most appropriate products
- document the selected items and selection rationale.

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:

- outline the 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
- discuss current and future technical systems considerations required by business
- discuss the features and function of relevant hardware components and software products, and the interaction between them.

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 general information and communications technology (ICT) industry, and include access to:

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

Assessors must satisfy NVR/AQTF assessor requirements.

Links

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