



Australian Government

ICTSAD607 Manage assessment and validation of ICT solutions

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 1.0.

Application

This unit describes the skills and knowledge required to determine the best information and communications technology (ICT) solution and facilitate its implementation.

This unit applies to individuals who are required to assess and validate business processes, organisational structures, outsourcing agreements, software applications, and any other component of the solution to ensure that the overall solution delivers maximum value to stakeholders.

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

Unit Sector

Systems analysis and design

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. Assess proposed solution	1.1 Rank solution options on business value, and advantages and disadvantages of alternatives 1.2 Generate and consider solution options and additional capabilities
2. Allocate requirements	2.1 Allocate requirements to solution components to maximise business value 2.2 Facilitate allocation of requirements to a specific project release, phase or iteration

ELEMENT	PERFORMANCE CRITERIA
3. Assess organisational readiness	3.1 Conduct cultural assessment 3.2 Conduct operational or technical assessment 3.3 Perform stakeholder impact analysis
4. Define transition requirements	4.1 Evaluate old system actual data and metadata 4.2 Develop options for managing ongoing work during transition to the new solution 4.3 Participate in organisational change management recommendations or processes as required
5. Validate solution	5.1 Investigate defective solution outputs 5.2 Assess defects and issues
6. Evaluate solution performance	6.1 Realise value delivered by the solution 6.2 Validate solution metrics 6.3 Decide solution replacement or elimination

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	3.1-3.3, 4.1, 5.1, 6.2	Critically analyses complex documentation from a variety of sources and consolidates information relating to specific criteria to determine requirements
Writing	1.1, 1.2, 3.2, 3.3	- Writes, edits and proofreads documents to ensure clarity of meaning, and accuracy and consistency of information - Prepares documentation that expresses ideas, explores complex issues, and is constructed logically, succinctly
Navigate the world of work	4.3	- Takes a lead role in the development of organisational goals, roles and responsibilities - Monitors and reviews the organisation's policies, procedures and adherence to requirements in order to implement and manage change
Interact with others	3.1, 4.3	Uses a variety of relevant communication tools and strategies in building and maintaining effective working relationships

		Understands diversity and seeks to integrate diversity into the work context, for managing change, making decisions and achieving shared outcomes
Get the work done	1.1, 1.2, 2.1, 2.2, 3.1, 3.2, 4.1-4.3, 5.1, 5.2, 6.1-6.3	- Plans strategic priorities and outcomes within a flexible, efficient and effective context, in a diverse environment exposed to competing demands - Gathers and analyses data and seeks feedback to improve plans and processes - Addresses complex problems involving multiple variables, using formal analytical, lateral thinking techniques, experience and knowledge to focus in on the root cause - Explores and incubates new and innovative ideas through unconstrained analysis and critical thinking to develop and improve the organisation's goals

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTSAD607 Manage assessment and validation of ICT solutions	ICASAD607A Manage assessment and validation of IT solutions	Updated to meet Standards for Training Packages. Minor edit to competency title.	Equivalent unit

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 ICTSAD607 Manage assessment and validation of ICT solutions

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Performance Evidence

Evidence of the ability to:

- categorise benefits and disadvantages of various solution options
- assess cultural impact of different solutions
- compare transition requirements between solutions
- analyse output variances between solutions
- remove inappropriate solutions from list
- recommend remaining solutions in priority order
- validate solutions
- confirm solution metrics and evaluate 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:

- describe the impact of the business environment with regard to proposed information and communications technology (ICT) solutions
- describe and implement techniques for assessing options and validating solutions
- explain and apply organisational change management
- outline the principles of solution performance metrics.

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 systems analysis and design field of work, and include access to:

- appropriate policies
- current business analysis practices and tools
- relevant legislation
- special purpose tools, equipment and materials
- industry software packages
- reports and plans prepared for projects
- portfolio of project work to be undertaken.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

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