



Australian Government

ICTICT318 Validate test cases and develop proof of concepts

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with the Information and Communications Technology Training Package Version 8.0. Newly created unit of competency to address in-demand skills needs.

Application

This unit describes the skills and knowledge required to validate the feasibility of information and communications technology (ICT) concepts in a variety of workplace contexts. It includes identifying concept technologies, evaluating factors that contribute to concepts, and applying strategies to mitigate risks associated with those factors.

The unit applies to individuals who may work under direct supervision as technical support staff, and concept developers, who support the development and validation of concepts across ICT environments.

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. Prepare to develop proof of ICT concepts	1.1 Confirm work brief and tasks according to organisational policies and procedures 1.2 Review costs, timelines, operational capacities and resources in work brief 1.3 Develop ICT concepts according to work brief 1.4 Review test cases and document any limitations according to work brief
2. Evaluate and	2.1 Research ICT components and technologies according to work

ELEMENT	PERFORMANCE CRITERIA
recommend technologies	brief 2.2 Evaluate suitable technologies required in ICT concept according to work brief 2.3 Report on advantages and disadvantages of required technologies 2.4 Analyse research findings and develop technologies recommendations according to work brief
3. Evaluate contributing factors and risks associated with ICT concept	3.1 Research environmental and organisational factors that impact concepts 3.2 Conduct market and competitor analysis according to work brief 3.3 Analyse concept risks 3.4 Create risk register according to work brief 3.5 Identify and document risk mitigation strategies
4. Validate test cases for proof of concepts	4.1 Use technological recommendations and analysis findings to validate a test case according to work brief 4.2 Confirm test case is valid 4.3 Seek and implement feedback on test case validation from required personnel 4.4 Document and securely store validation output in required location according to organisational policies and procedures

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
Oral communication	Presents recommendations and issues according to organisational requirements and using standard conventions and protocols and language appropriate to audience
Reading	Interprets a variety of technical information and texts
Writing	Creates workplace documentation using required technical language
Planning and organising	Uses systematic processes for information gathering and evaluates options against agreed criteria
Problem solving	Applies principles of logical thinking to identify organisational issues and select appropriate solutions

Unit Mapping Information

No equivalent unit. Newly created unit.

Links

Companion Volume Implementation Guide is found on VETNet - -

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