



Australian Government

ICTSAD505 Develop technical requirements for business 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 outcomes, skills and knowledge required to develop technical and related requirements that will enable business solutions to be implemented in an organisation.

It applies to individuals who are responsible for performing complex technical analysis to complete a range of tasks and provide solutions to complex problems.

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. Research business requirements	1.1 Define hardware and software requirements of the business solution 1.2 Determine model of business 1.3 Determine technical specifications for business 1.4 Establish interface requirements for end users and external parties 1.5 Document business solution requirements for approval from stakeholders 1.6 Determine information and communications technology (ICT)

ELEMENT	PERFORMANCE CRITERIA
	security requirements
2. Analyse the impact of technical solutions	2.1 Identify hardware, software and network requirements 2.2 Identify software solutions to build business platform 2.3 Identify processes to be changed by the business solution 2.4 Determine the effect changes will have on the value or supply chain 2.5 Research a range of security protocols suitable for business solutions 2.6 Document impact of changes and submit to relevant stakeholders
3. Develop and test business solutions	3.1 Implement hardware and software solutions for testing purposes 3.2 Identify training needs to update personnel skills 3.3 Plan timelines and allocation of resources for business solution 3.4 Develop performance standards and benchmark results 3.5 Determine costs involved to implement business solution 3.6 Document the business solution
4. Secure sign-off of validated solution	4.1 Test, validate and document results of the business solution 4.2 Provide results to appropriate person for verification 4.3 Obtain sign-off on business solution

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	1.1-1.4, 1.6, 2.1-2.4	Critically analyses complex documentation from a variety of sources and consolidates information relating to specific criteria to determine requirements
Writing	1.5, 2.6, 3.4, 3.6, 4.1	- Accurately records and completes organisational documents and correspondence, using clear language and correct spelling, grammar and terminology - Writes, edits and proofreads documents to ensure clarity

		of meaning, and accuracy and consistency of information
Numeracy	3.5	Performs mathematical calculations to analyse financial information, costs and values to accurately determine cost of implementation
Navigate the world of work	2.3, 3.2	- Seeks to improve policies and procedures to better meet organisational goals - Contributes to roles and responsibilities of self and others
Interact with others	1.5, 2.6, 4.2, 4.3	- Selects, implements and seeks to improve protocols governing communications to clients and co-workers in a range of work contexts - Implements strategies for a diverse range of colleagues and clients in order to build rapport and foster strong relationships
Get the work done	1.1-1.4, 1.6, 2.1-2.5, 3.1-3.4, 4.1, 4.2	- Accepts responsibility for planning and sequencing complex tasks and workload, negotiating key aspects with others and taking into account capabilities, efficiencies and effectiveness - Monitors progress of plans and schedules, and reviews and changes them to meet new demands and priorities - Investigates new and innovative ideas as a means to continuously improve work practices and processes through consultation, and formal and analytical thinking - Uses and investigates new digital technologies and applications to manage and manipulate data and communicate effectively with others, in a secure and stable digital environment

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTSAD505 Develop technical requirements for business solutions	ICASAD505A Develop technical requirements for business solutions	Updated to meet Standards for Training Packages	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 ICTSAD505 Develop technical requirements for business solutions

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Performance Evidence

Evidence of the ability to:

- document the internal and external technical environments required to provide a business solution
- produce a list of technical requirements
- produce an impact statement of the technical solution
- evaluate the functionality of the business 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:

- outline business process design
- list copyright and intellectual property relating to information and communications technology (ICT) systems development
- explain the customer and business liaison processes
- describe the implications of technology connectivity
- list and describe the potential business solutions
- explain the prevailing corporate strategies that may influence business solutions.

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:

- business model

- business requirements documentation
- customer relationship model
- hardware, software and network requirements
- software solutions to build business platform
- processes to be changed by the business solution
- security protocols suitable for business solutions
- special purpose tools, equipment, materials and industry software packages.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

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