



Australian Government

ICTSAD508 Develop technical requirements for business solutions

Release: 1

ICTSAD508 Develop technical requirements for business solutions

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 develop technical and related requirements that will enable business solutions to be implemented in an organisation.

It applies to individuals 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 and establish business and business solution requirements	1.1 Identify organisational and legislative requirements, standards and procedures applicable to business solutions 1.2 Define and analyse hardware, software and network requirements of business solution 1.3 Determine business model and technical specifications according to business need 1.4 Establish interface requirements according to needs of end users and external parties 1.5 Determine Information and Communications Technology (ICT) security requirements 1.6 Document proposed business solution requirements

	and obtain approval from required personnel
2. Analyse impact of technical solutions	2.1 Define software solutions required to build business platform according to solution requirements 2.2 Identify processes requiring change by business solution 2.3 Determine impact of changes on value and supply chain 2.4 Research security protocols applicable to business solutions 2.5 Document impact of changes and submit to required personnel
3. Develop and plan implementation of business solutions	3.1 Implement hardware and software solutions for testing purposes according to organisational procedures 3.2 Identify training needs and gaps in 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 business solution according to organisational procedures
4. Validate and finalise solution	4.1 Test, validate and document results of business solution according to organisational procedures 4.2 Finalise documentation and provide results to required personnel for verification 4.3 Seek feedback from required personnel, and iterate accordingly 4.4 Obtain sign-off on business solution by required personnel

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
Numeracy	Performs mathematical calculations and analyses financial information, costs and values in determining cost of implementation

Skill	Description
Reading	• Critically analyses complex documentation from a variety of sources and consolidates information applicable to specific criteria when determining requirements
Teamwork	• Implements strategies for a diverse range of colleagues and clients and builds rapport and fosters strong relationships
Initiative and enterprise	• Seeks to improve policies and procedures according to organisational goals • Investigates new and innovative ideas as a means to continuously improve work practices and processes through consultation and formal and analytical thinking
Planning and organising	• Accepts responsibility for planning and sequencing complex tasks and workload, negotiating key aspects with others, including required capabilities, efficiencies and effectiveness • Monitors progress of plans and schedules and reviews and changes them to meet new demands and priorities
Self-management	• Contributes to roles and responsibilities of self and others • Selects, implements and seeks to improve protocols governing communications to clients and co-workers in a range of work contexts
Technology	• Manages and manipulates data and communicates with others in digital environments, by using and investigating new digital technologies and applications

Unit Mapping Information

Supersedes and is equivalent to ICTSAD505 Develop technical requirements for business solutions.

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 ICTSAD508 Develop technical requirements for business solutions

Modification History

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

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:

- develop technical requirements for at least three business solutions.

In the course of the above, the candidate must:

- document internal and external technical environments required
- produce an impact statement of each technical solution above
- evaluate functionality of each business solution above
- comply with organisational procedures.

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:

- business process design
- copyright and intellectual property legislation applicable to Information and Communications Technology (ICT) systems development
- customer and business liaison processes
- technology connectivity implications
- business models and solutions
- corporate strategies which may influence business solutions
- interface requirements of end users
- key policies, procedures and documentation required to develop technical requirements for business solutions, including those related to:
 - business supply chains procedures
 - security protocols
 - time and resource management processes
 - performance standards and benchmarks

- methods in calculating implementation costs of business solution
- testing and validation processes applicable to business solution
- software solutions used in building business platforms
- organisational and legislative requirements and procedures applicable to business solutions.

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:

- business model
- business requirements and solutions
- customer relationship model
- hardware, software and network requirements
- organisational and legislative requirements
- software solutions
- processes requiring change by business solution
- security protocols applicable to business solutions
- required tools, equipment, materials and industry standard software packages.

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

Links

Companion Volume Implementation Guide is found on VETNet -

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