



Australian Government

ICTSAD608 Perform ICT-focused enterprise analysis

Release: 1

ICTSAD608 Perform ICT-focused enterprise analysis

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 provide an enterprise analysis and determine possible Information and Communications Technology (ICT) solutions available for a given initiative or for long-term planning.

It applies to individuals who combine high-level management, business and technical skills required to manage complex analysis efforts within the ICT industry.

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. Define business need	1.1 Identify and analyse business goals and objectives and link to measures 1.2 Analyse business processes, model and strategies and applicable organisational policies and guidelines 1.3 Identify and investigate issues and determine business problems and opportunities according to organisational requirements 1.4 Discuss consequences of business problems to organisation with required personnel 1.5 Identify and discuss applicable ICT solutions to business problem and speed of implementing solution 1.6 Determine desired outcomes of proposed solutions 1.7 Document research outcomes including business problems and

	potential solutions
2. Assess capability gaps	2.1 Determine existing capabilities of organisation and relate to desired objectives and outcomes 2.2 Identify capabilities required to achieve the desired future state and assess gaps 2.3 Test assumptions and use results in decision making process 2.4 Document identified capability gaps according to organisational requirements
3. Determine solution approach	3.1 Discuss identified ICT solutions and applicability to business objectives 3.2 Generate assumptions and identify constraints and risks which may affect choice of solutions, according to organisational procedures 3.3 Identify processes, tools and software required in implementing proposed solutions 3.4 Assess and rank solution approaches and select applicable solutions
4. Define solution scope	4.1 Determine solution scope in terms of major features and functions to be included 4.2 Explain implementation approach and how chosen solution will deliver solution scope to required personnel 4.3 Identify and analyse major business and technical dependencies 4.4 Document determined solution approach and scope according to organisational requirements
5. Define business case and finalise process	5.1 Identify benefits of recommended solution in terms of both qualitative and quantitative gains to organisation 5.2 Estimate total net cost of solution 5.3 Perform initial risk assessment 5.4 Agree how identified costs and benefits will be assessed and evaluated 5.5 Finalise documentation and seek feedback from required personnel 5.6 Amend accordingly, and obtain sign-off from 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
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SKILL	DESCRIPTION
Numeracy	Interprets complex financial information and performs calculations in estimating costs, using highly developed numeracy skills
Oral communication	Uses listening and questioning techniques to articulate complex concepts and requirements using industry language
Reading	Critically analyses complex documentation from a variety of sources and consolidates information applicable to specific criteria when determining requirements
Writing	Prepares documentation analysing requirements and expressing ideas and solution scope in a logical and succinct manner
Initiative and enterprise	Explores and incubates new and innovative ideas through unconstrained analysis and critical thinking when developing and improving organisational goals
Planning and organising	Plans strategic priorities and outcomes in a diverse environment exposed to competing demands
Problem solving	Identifies key factors impacting decisions and their outcomes, drawing on experience, competing priorities and decision-making strategies where required
Self-management	- Works autonomously, making high-level decisions to achieve and improve organisational goals - Takes a lead role in development of organisational goals, roles and responsibilities - Develops and implements strategies and confirms organisational policies, procedures and regulatory requirements are met - Gathers and analyses data, and seeks feedback

Unit Mapping Information

Supersedes and is equivalent to ICTSAD601 Perform ICT-focused enterprise analysis.

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 ICTSAD608 Perform ICT-focused enterprise analysis

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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:

- perform an ICT-focused enterprise analysis for an organisation.

In the course of the above, the candidate must:

- examine business situation in detail and document a business case for a proposed solution that addresses:
 - business need
 - required capabilities
 - solution scope
 - risk assessment
 - cost estimates
 - most feasible approach.

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 analysis processes, procedures and techniques
- business problems and opportunities, processes, models and strategies
- key organisational policies, procedures and documentation required to perform ICT focused enterprise analysis, including those related to:
 - assumption testing processes
 - organisational capabilities
- market trends and best practices in identifying business opportunities
- constraints and risks in implementing solutions
- solution implementation approaches

- methods of calculating qualitative and quantitative benefits of ICT solutions
- technology solution patterns.

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:

- applicable organisational policies and guidelines
- information applicable to organisational goals, objectives, processes, model and strategies
- business analysis practices and tools
- reports and plans prepared for projects
- required hardware, software and its components.

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

Links

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