



Australian Government

ICTSAD608 Perform ICT-focused enterprise analysis

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 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	<p>2.1 Determine existing capabilities of organisation and relate to desired objectives and outcomes</p> <p>2.2 Identify capabilities required to achieve the desired future state and assess gaps</p> <p>2.3 Test assumptions and use results in decision making process</p> <p>2.4 Document identified capability gaps according to organisational requirements</p>
3. Determine solution approach	<p>3.1 Discuss identified ICT solutions and applicability to business objectives</p> <p>3.2 Generate assumptions and identify constraints and risks which may affect choice of solutions, according to organisational procedures</p> <p>3.3 Identify processes, tools and software required in implementing proposed solutions</p> <p>3.4 Assess and rank solution approaches and select applicable solutions</p>
4. Define solution scope	<p>4.1 Determine solution scope in terms of major features and functions to be included</p> <p>4.2 Explain implementation approach and how chosen solution will deliver solution scope to required personnel</p> <p>4.3 Identify and analyse major business and technical dependencies</p> <p>4.4 Document determined solution approach and scope according to organisational requirements</p>
5. Define business case and finalise process	<p>5.1 Identify benefits of recommended solution in terms of both qualitative and quantitative gains to organisation</p> <p>5.2 Estimate total net cost of solution</p> <p>5.3 Perform initial risk assessment</p> <p>5.4 Agree how identified costs and benefits will be assessed and evaluated</p> <p>5.5 Finalise documentation and seek feedback from required personnel</p> <p>5.6 Amend accordingly, and obtain sign-off from required personnel</p>

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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Numeracy	<ul style="list-style-type: none"> Interprets complex financial information and performs calculations in estimating costs, using highly developed numeracy skills
Oral communication	<ul style="list-style-type: none"> Uses listening and questioning techniques to articulate complex concepts and requirements using industry language
Reading	<ul style="list-style-type: none"> Critically analyses complex documentation from a variety of sources and consolidates information applicable to specific criteria when determining requirements
Writing	<ul style="list-style-type: none"> Prepares documentation analysing requirements and expressing ideas and solution scope in a logical and succinct manner
Initiative and enterprise	<ul style="list-style-type: none"> Explores and incubates new and innovative ideas through unconstrained analysis and critical thinking when developing and improving organisational goals
Planning and organising	<ul style="list-style-type: none"> Plans strategic priorities and outcomes in a diverse environment exposed to competing demands
Problem solving	<ul style="list-style-type: none"> Identifies key factors impacting decisions and their outcomes, drawing on experience, competing priorities and decision-making strategies where required
Self-management	<ul style="list-style-type: none"> 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>