



Australian Government

ICTSAD606 Analyse stakeholder requirements

Release: 1

ICTSAD606 Analyse stakeholder requirements

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 skills and knowledge required to analyse stated requirements, determine potential solutions, and define possible features available to meet stakeholder needs.

This unit applies to individuals who require high-level management, business and technical skills necessary to manage complex analysis efforts within the information and communications technology (ICT) industry, often as part of business critical ICT projects.

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. Prioritise requirements	1.1 Determine the basis for prioritisation of requirements 1.2 Resolve challenges in facilitating the prioritisation
2. Organise requirements	2.1 Articulate requirements at an appropriate level of abstraction 2.2 Devise appropriate models to describe the solution scope, based on informational needs of stakeholders 2.3 Document dependencies and inter-relationships among requirements
3. Specify and model	3.1 Develop textual requirements

ELEMENT	PERFORMANCE CRITERIA
requirements	3.2 Generate matrices to convey or support identified requirements 3.3 Create models to document and communicate requirements and improvement opportunities
4. Define assumptions and constraints	4.1 Agree on assumptions to be defined and clarified as requirements are understood 4.2 Document and examine business constraints to identify options no longer available 4.3 Recognise and examine technical constraints that may restrict design or mandate standards to be followed
5. Verify requirements	5.1 Establish characteristics of requirements' quality 5.2 Undertake verification activities iteratively throughout the requirements analysis process
6. Validate requirements	6.1 Identify and define stakeholder requirement benefit assumptions so that associated risks can be managed 6.2 Generate measurable evaluation criteria to assess success of requirements benefit post implementation 6.3 Assign business value of requirements to assist in identifying candidates for elimination 6.4 Determine requirement dependencies for benefits realisation 6.5 Evaluate alignment with business case and opportunity cost to assist validation and decision making

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	4.3, 5.2, 6.1, 6.4, 6.5	Critically analyses complex documentation from a variety of sources and consolidates information relating to specific criteria to determine requirements
Writing	2.1, 2.3, 3.1-3.3, 4.2	- Prepares documentation that expresses ideas, explores complex issues, and is constructed logically, succinctly and accurately - Documents outcomes and changes to discussions,

		using industry relevant terminology Writes, edits and proofreads documents to ensure clarity of meaning, and consistency of information
Oral Communication	2.1	Presents complex information in formal situations, using clear and convincing language, tone and pace appropriate for the audience and purpose
Numeracy	6.2, 6.3	Performs mathematical calculations to interpret and manipulate complex numerical information
Navigate the world of work	4.2	Develops and implements strategies that ensure organisational policies, procedures and regulatory requirements are being met
Interact with others	2.2, 4.1, 6.3	- Selects, implements and manipulates communications systems, processes and practices for maximum impact - Uses a variety of relevant communication tools and strategies in building and maintaining effective working relationships
Get the work done	1.1, 1.2, 2.2, 4.1, 4.3, 5.1, 5.2, 6.1-6.5	- Plans strategic priorities and outcomes within a flexible, efficient and effective context in a diverse environment exposed to competing demands - Gathers and analyses data and seeks feedback to improve plans and processes - Identifies key factors that impact on decisions and their outcomes, drawing on experience, competing priorities, and decision making strategies where appropriate - Explores and incubates new and innovative ideas through unconstrained analysis and critical thinking to develop and improve the organisation's goals

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTSAD606 Analyse stakeholder requirements	ICASAD606A Analyse stakeholder requirements	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 ICTSAD606 Analyse stakeholder requirements

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Performance Evidence

Evidence of the ability to:

- define, specify and prioritise stakeholder and solution requirements to a standard that would allow construction of a business solution
- verify and validate the requirements to ensure necessary quality, and support for stakeholder needs.

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:

- describe business rules analysis
- explain data flow diagramming
- outline data, organisation and process modelling, and their relevant business and technical constraints
- explain functional decomposition
- describe risk management strategies
- explain the purpose of using scenarios, stories and case studies
- describe scope modelling.

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:

- appropriate policies, current business analysis practices and tools
- relevant legislation

- special purpose tools, equipment and materials
- industry software packages
- reports and plans prepared for projects
- a portfolio of projects to be undertaken.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

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