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 |
|---------|----------------------|
| *Elements describe the essential outcomes.* | *Performance criteria describe the performance needed to demonstrate achievement of the element.* |
| 1. Prioritise requirements | 1.1 Determine the basis for prioritisation of requirements<br>1.2 Resolve challenges in facilitating the prioritisation |
| 2. Organise requirements | 2.1 Articulate requirements at an appropriate level of abstraction<br>2.2 Devise appropriate models to describe the solution scope, based on informational needs of stakeholders<br>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<br>• Documents outcomes and changes to discussions, |

PwC's Skills for Australia

| | | |
|---|---|---|
| | | using industry relevant terminology<br>• 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<br>• 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<br>• Gathers and analyses data and seeks feedback to improve plans and processes<br>• Identifies key factors that impact on decisions and their outcomes, drawing on experience, competing priorities, and decision making strategies where appropriate<br>• 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.education.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2

PwC's Skills for Australia