



Australian Government

ICTPMG609 Plan and direct complex ICT projects

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 1.0.

Application

This unit describes the skills and knowledge required to identify, plan, control and finalise complex information and communications technology (ICT) projects.

It applies to individuals who may be required to use high-level business and project management skills to ensure effective and timely delivery of projects.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Project management

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. Identify the strategic and operational needs of the ICT project during the planning phase	1.1 Identify the strategic and operational needs of the project during the planning phase 1.2 Identify and consider the project's strategic context and requirements 1.3 Identify and consider the organisation's strategic and business plans, and its output requirements 1.4 Identify and explore client requirements and the impact of legislation and industry codes and standards 1.5 Conduct a risk management analysis and develop and document a risk-management plan
2. Prepare the ICT	2.1 Define and document precise specifications and terms of

ELEMENT	PERFORMANCE CRITERIA
project plan	reference for the project 2.2 Identify and document project budget, specified to a level that can be used for the management of sub-tasks 2.3 Define skills needed for the successful completion of project 2.4 Define, document and secure physical and other resources required to support the project 2.5 Develop and document timelines, schedules and critical path for the project, taking into consideration contingencies and planning for time slippages 2.6 Define and document a consultation strategy or process that will be used to inform clients, contractors and other interested parties of the project's progress, and seek their input as required
3. Assemble the ICT project team and commence work	3.1 Secure and brief appropriate project-team members regarding the project, their roles, levels of delegated responsibility and the outcomes to be achieved 3.2 Implement effective communication processes to coordinate work and inform team members of progress 3.3 Identify and communicate clear reporting processes for team members
4. Manage the IT project	4.1 Monitor project progress according to project plan requirements, using appropriate project management tools and methodologies 4.2 Manage team member performance, ensuring that their output is directed to the key performance indicators identified in the project plan 4.3 Make corrections, changes and additions to the project plan in light of changing circumstances to ensure project aims and outcomes 4.4 Monitor resourcing to support the project and make corrections to reflect changing circumstances 4.5 Report overall project progress to senior management or funding bodies as required and in line with the project plan
5. Finalise the IT project	5.1 Finalise the project in line with the project plan 5.2 Conduct handover to staff members responsible for the ongoing implementation or maintenance of project products or services efficiently, effectively and in line with organisational procedures 5.3 Debrief project team members and relevant stakeholders about

ELEMENT	PERFORMANCE CRITERIA
	the conduct of the project and the outcomes achieved 5.4 Prepare a report analysing the strengths and weaknesses of the project plan and the conduct of the project
6. Use the IT project to contribute to improved policies and processes	6.1 Identify and analyse opportunities for wider organisational learning, including changes to processes or policies generated by the project 6.2 Forward opportunities for future further developments following project completion for consideration by senior management 6.3 Consider the strategic impact of the project and feed into the organisation's ongoing strategic planning processes

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	1.1-1.5, 2.1-2.3, 3.3, 4.1, 4.2, 5.1, 5.4, 6.1	Interprets and analyses complex textual information to ensure that all requirements are identified, understood, addressed and aligned with the organisational strategic and operational plans
Writing	1.5, 2.1-2.6, 3.1-3.3, 4.3-4.5, 5.1-5.2, 5.4, 6.2	Uses high level of narrative and technical language in developing and presenting ideas and information of a complex nature in a logical and sequential manner, to ensure that these are understood by stakeholders
Oral Communication	1.1-1.5, 2.1-2.6, 3.1-3.3, 4.1- 4.5, 5.2, 5.3, 6.2	Uses appropriate language and style, and effective listening, questioning and summarising skills when presenting complex ideas to all stakeholders to ensure that project requirements are clearly understood
Numeracy	2.2	Uses sound mathematical assumptions and applies equations in developing budgets
Interact with others	3.1-3.3, 4.2, 5.3	Plays a lead role in situations requiring effective collaboration, demonstrating high-level influencing skills, focusing and shaping awareness, and engaging and motivating others, including

		those who are geographically dispersed
Get the work done	All	- Sequences and schedules complex activities, monitors implementation and manages relevant communication - Uses systematic, analytical processes in complex, non-routine situations, setting goals, gathering relevant information, and identifying and evaluating options against agreed criteria - May use formal analytical and lateral thinking techniques for identifying issues, generating and evaluating possible solutions - Recognises the potential of new approaches to enhance work practices and outcomes

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTPMG609 Plan and direct complex ICT projects	ICAPMG609A Plan and direct complex IT projects	Updated to meet Standards for Training Packages. Minor edit to competency title.	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 ICTPMG609 Plan and direct complex ICT projects

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Performance Evidence

Evidence of the ability to:

- design, implement, manage and finalise a complex information and communications technology (ICT) project
- manage planning processes, scheduling, human resources, reporting and response to contingencies
- align projects with organisational strategies and requirements
- assess outcomes and provide recommendations that will refine and improve future ICT project management processes.

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:

- explain the concepts of risk management planning and processes
- outline computer software functions and operation, including relevant proprietary software
- identify relevant current legislation, codes and standards
- explain sustainability requirements and ratings, including:
 - reporting mechanisms
 - conservation of energy
 - management of other resources
- explain tools and models of project management
- identify and explain organisational frameworks and functions, including:
 - enterprises
 - government bodies
 - industry associations.

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 ICT project management field of work and include access to:

- relevant computer software packages
- suitable hardware
- codes, standards and legislation relevant to the jurisdiction and the project
- project documentation
- research resources, including product information and data, theoretical texts and other information.

Assessors must satisfy NVR/AQTF assessor requirements.

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