



Australian Government

ICTICT603 Manage the use of appropriate development methodologies

Release: 1

ICTICT603 Manage the use of appropriate development methodologies

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 nominate the most appropriate traditional or non-traditional systems development methodologies for use by a team.

It applies to individuals who work in senior information and communications technology (ICT) management roles and are required to manage development teams.

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

Unit Sector

General ICT

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. Determine and select appropriate development methodology for a given activity	1.1 Determine and define subject activity 1.2 Define criteria for selection of development methodology 1.3 Review and evaluate with project leader a range of traditional and non-traditional system development methodologies 1.4 Select appropriate system development methodology to suit the activity 1.5 Brief project team on selected methodology
2. Direct the use of the selected development	2.1 Review the initial project plan to guide developmental processes

ELEMENT	PERFORMANCE CRITERIA
methodology	2.2 Review the identification of appropriate task types according to development methodology 2.3 Review the description and articulation of task types 2.4 Review the definition of appropriate control structures that need to be created during task type execution 2.5 Review the identification of resources to support methodology selection 2.6 Monitor the application of appropriate methodology to solve tasks 2.7 Monitor the project flow and effectiveness of use of methodology against project plan 2.8 Review the documented opportunities for improvement, lessons learned and recommendations for future projects

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	1.1-1.3, 2.1-2.5, 2.8	Identifies, analyses and evaluates a range of online and hard copy organisational documentation and technical information containing complex, systems development specific terminology, syntax and diagrams and applies the information to the task
Writing	1.1-1.3, 2.1-2.5	Uses correct spelling, grammar and plain English together with a range of systems development specific terminology and computer generated diagrams
Oral Communication	1.1, 1.3-1.5, 2.1-2.8	- Elicits and evaluates information using project related terminology and effective listening and questioning techniques - Uses specific and complex systems development terminology to liaise with project leader, review methodology and monitor the project
Interact with others	1.3	Identifies relevant information and ideas from a range of messages and oral and written exchanges, paying some attention to the meanings attached to the choice of form, channel and wording

Get the work done	1.1, 1.2, 1.4, 2.1-2.7	• Develops plans to manage relatively complex, non-routine tasks with an awareness of how they may contribute to longer term operational and strategic goals • Uses systematic analytical processes in complex, non-routine situations, setting goals, gathering relevant information and identifying and evaluating options against agreed criteria
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Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTICT603 Manage the use of appropriate development methodologies	ICAICT603A Manage the use of appropriate development methodologies	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 ICTICT603 Manage the use of appropriate development methodologies

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Performance Evidence

Evidence of the ability to:

- manage a project team
- review a project plan
- supervise the application of a methodology to a project
- evaluate a range of development methodologies and their application to a project or scenario
- review documentation as required by the chosen methodology.

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:

- outline and analyse the client business domain and organisational requirements
- discuss the life cycle maintenance of a live system, network or website
- describe the role of stakeholders and the degree of stakeholder involvement in the development process
- identify and discuss the technology requirements involved for a range of development methodologies
- discuss two or more current industry development methodologies.

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 general information and communications technology (ICT) industry, and include access to:

- design specifications and current development methodologies

- organisational standards for documentation and version control
- detailed user requirements document, including model and scope
- a project plan.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

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