Australian Government

ICTICT405 Develop detailed technical design

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 assist in the development of a detailed technical design.

It applies to individuals performing systems design tasks who are required to review and update technical design documents.

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
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Assist in selecting technical design features	1.1 Select and revise design model based on iteration and design changes 1.2 Incorporate outstanding design points according to acceptance criteria 1.3 Distribute reports identifying changes and implications to appropriate person for review
2. Contribute to design review	2.1 Compare design against requirements and fix as necessary 2.2 Confirm design with appropriate person 2.3 Use feedback mechanisms to gather information on design changes from client

Future Skills Organisation

ELEMENT	PERFORMANCE CRITERIA
	2.4 Incorporate design changes where required
3. Contribute to development of program specifications	3.1 Implement modules by incremental development techniques
	3.2 Identify user authority for each module
	3.3 Prepare detailed specifications of module implementation for each module that will not be incrementally built
	3.4 Prepare documentation according to requirements of the project

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, 2.1, 2.3	• Identifies, analyses and evaluates a range of online and hard copy text containing complex systems design terminology, syntax and diagrams, and applies the information to the task
Writing	1.1, 1.2, 2.3, 2.4, 3.3, 3.4	• Uses correct spelling and grammar, plain English, systems design related terminology and diagrams to obtain feedback, document recommendations and prepare final project specifications
Oral Communication	1.1, 1.3, 2.2, 2.3	• Elicits and evaluates information using project related terminology and effective listening and questioning techniques • Uses plain English and, where necessary, project related terminology to liaise with clients, present information and obtain feedback
Interact with Others	1.3, 2.2, 2.3	• Selects and uses appropriate conventions and protocols when communicating with clients and co-workers in a range of work contexts • Uses a range of strategies to establish a sense of connection and build rapport with clients and co workers
Get the work done	1.1-1.3, 2.1, 2.4, 3.1-3.3	• Uses familiar digital systems and tools to incorporate required changes to model • Applies formal processes when developing strategic initiatives, and plans tasks with logically sequenced

		steps
		• Initiates standard procedures when responding to familiar problems within immediate context
		• Uses familiar digital technologies and systems to access information, search and enter data and code, present information and communicate with others, cognisant of data security and safety

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTICT405 Develop detailed technical design	ICAICT405A Develop detailed technical design	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