



Australian Government

ICTICT432 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 6.0.

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 as part of a team who are required to review and update technical design documents according to client requirements.

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. Assist in selecting technical design features	1.1 Establish business environment and client requirements 1.2 Select and revise design model based on iteration and design changes 1.3 Incorporate outstanding design points according to client requirements 1.4 Distribute reports identifying changes and implications to required personnel for review
2. Review designs	2.1 Compare design against technical requirements and amend as required 2.2 Confirm design with required personnel 2.3 Gather information and client feedback on design changes and respond accordingly

ELEMENT	PERFORMANCE CRITERIA
	2.4 Incorporate required design changes
3. Contribute to development of program specifications	3.1 Implement modules using incremental development techniques 3.2 Identify user authority for each module 3.3 Prepare detailed specifications of module implementation for each module 3.4 Prepare documentation according to project requirements and organisational procedures and guidelines

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Reading	Identifies, analyses and evaluates a range of online and hard copy text containing complex systems design terminology, syntax and diagrams, and applies information to task
Writing	Uses spelling and grammar, plain English, systems design related terminology and diagrams to obtain feedback, document recommendations and prepare final project specifications
Oral Communication	Uses listening and questioning techniques and, where applicable, project related terminology to liaise with clients, present information and obtain feedback
Teamwork	- Selects and uses required conventions and protocols when communicating with clients and co-workers in a range of work contexts - Uses strategies to establish a sense of connection and build rapport with clients and co workers
Planning and organising	Applies formal processes when developing strategic initiatives, and plans tasks with logically sequenced steps
Problem-solving	Initiates standard procedures when responding to familiar problems within immediate context
Technology	- Uses digital systems and tools to incorporate required changes to model - Uses 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

Supersedes and is equivalent to ICTICT405 Develop detailed technical design.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>