ICTTEN802 Manage alignment of systems with product and technology strategy

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 develop a technology roadmap and interface management system to align and integrate systems with a product and technology strategy.

It applies to individuals with technical and task management skills who measure network performance according to manufacturer's design specifications.

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

Unit Sector

Telecommunications Networks Engineering

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. Develop technology roadmap	1.1 Critically analyse market research information and determine customer needs within product and technology strategy from a technology roadmap
	1.2 Evaluate enterprise and technology issues which will affect design of the system, and translate them into system requirements
	1.3 Evaluate program, product and technology needs that affect definition of the system life-cycle
	1.4 Develop systems integration, verification and validation plans from the design requirements

ELEMENT	PERFORMANCE CRITERIA
	1.5 Develop and communicate key aspects on implementation of the technology roadmap to stakeholders and customers
2. Develop interface management of system elements	2.1 Determine system element interfaces and sources of complexity for interface management of the system
	2.2 Develop a process and appropriate techniques to be adopted for interface management of system elements
	2.3 Create a control process of system element interfaces of the management system
	2.4 Liaise and arbitrate conflicts in the interfaces definition process
3. Implement systems integration	3.1 Evaluate suitability of system integration, verification and validation plans for the product and technology strategy of the technology road map for a consumer product
	3.2 Develop systems integration, verification and validation plans for complex systems, including method and timing for each activity
	3.3 Manage system integration plan and diagnose complex faults
	3.4 Document fault conditions, report to appropriate person and follow up corrective actions
	3.5 Prepare evidence for customer acceptance and certification of the system integration management plan for consumer product
	3.6 Plan and manage a transition to operational activity of product

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	1.1-1.4, 3.1	• Organises, evaluates and interprets technical documentation, software and hardware manuals, specifications and relevant enterprise policy
Writing	1.4, 3.2, 3.4, 3.5	• Prepares clear and concise workplace documentation, including diagrammatic material incorporating technical language, to communicate complex information clearly and effectively
Oral	1.1, 2.4	• Participates in verbal exchanges using highly

Communication		developed listening, observational and questioning skills to understand others' perspectives, and clarify, explore and extend meaning
Interact with others	1.5, 2.4, 3.4	• Selects and uses appropriate conventions and protocols when communicating with stakeholders in a range of work contexts • Collaborates with others to achieve joint outcomes, taking the lead in identifying issues and facilitating agreement
Get the work done	1.2-1.5, 2.1-2.3, 3.1-3.4, 3.6	• Uses a combination of formal, logical planning processes and an increasingly intuitive understanding of context for complex, high-impact activities with strategic implications • Demonstrates a sophisticated understanding of principles, concepts, language and practices associated with the digital world and uses these to plan appropriate systems • Implements actions according to a predetermined plan, making adjustments if necessary • Takes responsibility for high-impact decisions in complex situations involving many variables and constraints • Uses formal analytical and lateral thinking techniques to resolve software, hardware and logistics problems

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTTEN802 Manage alignment of systems with product and technology strategy	ICTTEN7219A Manage alignment of systems with product and technology strategy	Updated to meet Standards for Training Packages. Recoded and minor changes to PC's to meet AQF requirements.	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2