



Australian Government

ICTTEN818 Align systems with product and technology strategy

Release: 1

ICTTEN818 Align systems with product and technology strategy

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 7.0.

Application

This unit describes the skills and knowledge required to develop technology roadmaps and interface management systems to align and integrate systems with a product and technology strategy.

It applies to individuals with technical and task management skills 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
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Develop technology roadmap	1.1 Analyse market research information and determine customer needs within product and technology strategy 1.2 Evaluate enterprise and technology issues anticipated to affect system design, and translate them into system requirements 1.3 Evaluate program, product and technology needs that affect definition of the system lifecycle 1.4 Develop systems integration, verification and validation plans from design requirements 1.5 Develop and communicate key aspects on implementation of the technology roadmap to relevant personnel
2. Develop interface management of system	2.1 Determine system element interfaces and sources of complexity for interface management of the system

ELEMENT	PERFORMANCE CRITERIA
elements	2.2 Develop a process and required 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 interface's 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 relevant 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 those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Oral communication	Participates in verbal exchanges using highly developed listening, observational and questioning skills to understand others' perspectives, and clarify, explore and extend meaning
Reading	Organises, evaluates and interprets technical documentation, software and hardware manuals, specifications and required enterprise policy
Writing	Prepares workplace documentation, including diagrammatic material incorporating technical language, to communicate complex information clearly and effectively
Teamwork	- Selects and uses required 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
Planning and organising	- Uses a combination of formal, logical planning processes and an understanding of context for complex, high-impact activities with strategic implications - Implements actions according to a predetermined plan, making

SKILL	DESCRIPTION
	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
Technology	• Demonstrates a sophisticated understanding of principles, concepts, language and practices associated with the digital world and uses these to plan required systems

Unit Mapping Information

Supersedes and is equivalent to ICTTEN802 Manage alignment of systems with product and technology strategy.

Links

Companion Volume Implementation Guide is found on VETNet -

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