Australian Government

ICTNWK515 Develop configuration management protocols

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 administrative and technical procedures throughout the life cycle of a system, network, software and documentation project.

It applies to individuals working in a variety of information and communications technology (ICT) areas who develop and manage tasks that facilitate the development of a system, such as version control and naming standards.

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

Unit Sector

Networking

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. Establish configuration management requirements	1.1 Establish identification standards for naming and version control of system, network, software and documentation to align with organisational needs
	1.2 Establish tools and procedures for the required level of integration into the programming, system or network environment
	1.3 Determine responsibilities for configuration management within the project and for ongoing support, including approval of changes
	1.4 Determine the appropriate points for configuration of

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ELEMENT	PERFORMANCE CRITERIA
	particular items
2. Establish control mechanisms	2.1 Establish methods for identification and recording of change requests in line with organisational guidelines
	2.2 Establish acceptance criteria, test and acceptance processes and processes for approval of change requests in line with organisational guidelines
	2.3 Establish security, access and management control criteria and quality benchmarks
	2.4 Determine necessary audit trails and alerts for variations or non-conformance
3. Establish monitoring mechanisms	3.1 Establish mechanisms to identify software status throughout the software life cycle, or the status of the system or network during upgrading or reconfiguration
	3.2 Determine management of records and status reports, including the history of baselines and their links to backups
	3.3 Define target audiences and determine the level of detail required in the status reports
	3.4 Integrate configuration management into general project management processes for monitoring and control purposes
	3.5 Document control and monitoring mechanisms
4. Manage the release of the product to clients	4.1 Determine physical and functional completeness of items prior to release
	4.2 Determine requirements for formal control of software products and documentation
	4.3 Determine policies for retention of baseline and master copies in line with safety, security and legislative requirements and organisational guidelines

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, 2.2, 4.3	• Recognises and interprets legislative, organisational and

			technical material to determine job requirements
Writing	1.1, 1.2, 2.1-2.3, 3.5, 4.2	•	Develops a broad range of materials, such as administrative procedures, for a specific audience using clear and detailed language to convey explicit information, requirements and recommendations
Navigate the world of work	4.3	•	Understands own legal rights and responsibilities, and is extending understanding of general legal principles applicable across work contexts
Interact with others	1.3	•	Collaborates with others to achieve joint outcomes, playing a lead role in facilitating consensus
Get the work done	1.2-1.4, 2.1-2.4, 3.1- 3.4, 4.1, 4.2	• • • • •	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 formal and informal processes to monitor implementation of solutions Demonstrates a sophisticated understanding of principles, concepts, language and practices associated with the digital world Uses digital tools to access and organise complex data and analyse multiple sources of information for strategic purposes Is acutely aware of the importance of understanding, monitoring and controlling access to digitally stored and transmitted information, and reflects on outcomes

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTNWK515 Develop configuration management protocols	ICANWK515A Develop configuration management protocols	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