



Australian Government

ICTNWK412 Create network documentation

Release: 1

ICTNWK412 Create network documentation

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 determine network requirements, and produce and evaluate appropriate network documentation.

It applies to individuals with good task management and competent information and communications technology (ICT) skills, who are working as network administrators, technicians and support personnel.

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
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Determine network documentation requirements	1.1 Consult with appropriate personnel 1.2 Identify network documentation standards 1.3 Define network configuration 1.4 Develop naming standards and labelling schemes 1.5 Develop network addressing scheme and verify, using calculations
2. Design network diagrams and checklists	2.1 Identify network software mapping tools 2.2 Use network software mapping tools to design network diagrams

ELEMENT	PERFORMANCE CRITERIA
	2.3 Develop plans and checklists 2.4 Develop manuals
3. Produce network documentation	3.1 Validate documentation structure with appropriate personnel 3.2 Produce network diagrams 3.3 Produce network plans and checklists 3.4 Produce procedure and policy manuals 3.5 Prepare documentation for publication
4. Complete network documentation	4.1 Check network documentation with appropriate personnel 4.2 Select appropriate media 4.3 Publish network documentation 4.4 Record and store essential network documentation 4.5 Notify appropriate personnel of the completed network documentation

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	1.2	Gathers, interprets and analyses current industry information from a range of sources and identifies relevant and key information
Writing	1.4, 2.3, 2.4, 3.2-3.5, 4.4, 4.5	Prepares workplace documentation which incorporates an evaluation of information and specialised and cohesive language in a format and style appropriate to a specific audience
Oral Communication	1.1, 3.1, 4.1, 4.5	Articulates requirements and strategies clearly and distinctively, using technical language appropriate to audience and environment
Numeracy	1.5	Recognises, compares and interprets technical data when developing network addressing scheme
Get the work done	1.2, 1.3, 1.5, 2.1, 2.2, 4.2- 4.4	Takes responsibility for planning and organising own workload, identifying ways of sequencing, prioritising and monitoring own work

		• Uses familiar digital systems and tools to access, organise, analyse and display information relevant to role • Understands the purposes, specific functions and key features of common digital systems and tools, and operates them effectively to complete routine tasks • Makes a range of important decisions in relatively complex situations, taking a range of constraints into account
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Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTNWK412 Create network documentation	ICANWK412A Create network documentation	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>

Assessment Requirements for ICTNWK412 Create network documentation

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Performance Evidence

Evidence of the ability to:

- determine client requirements
- design network documentation according to standards
- produce network documentation according to design specifications.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- explain open systems interconnect (OSI) layered communication model
- summarise network requirements related to:
 - applications
 - life cycles
 - manageability
 - quality of service
- explain network design concepts related to:
 - financial constraints
 - network topologies
 - organisation requirements
 - physical constraints
 - security issues.

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the network industry, and include access to:

- relevant network documentation
- legislation and standards documentation
- industry codes of practice.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

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