



Australian Government

ICTNWK431 Create network documentation

Release: 1

ICTNWK431 Create network documentation

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 determine network requirements and produce and evaluate network documentation.

It applies to individuals involved in roles requiring task management and competent Information and Communications Technology (ICT) skills, including 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 Determine document purpose and standards according to organisational requirements 1.2 Define required network configuration 1.3 Develop naming standards and labelling schemes according to organisational requirements 1.4 Develop, calculate and verify network addressing scheme according to task requirements
2. Design network diagrams and checklists	2.1 Identify network software mapping tools according to task requirements 2.2 Design network diagrams according to task requirements and organisational procedures 2.3 Develop plans, checklists and manuals according to

ELEMENT	PERFORMANCE CRITERIA
	organisational procedures and task requirements
3. Produce network documentation	3.1 Validate documentation structure according to task requirements and organisational procedures 3.2 Produce network diagrams, plans and checklists according to organisational procedures 3.3 Produce network according to task requirements 3.4 Document procedure and policy manuals according to organisational requirements and industry standards
4. Complete network documentation	4.1 Check network documentation with required organisational personnel 4.2 Publish network documentation according to task requirements and organisational policies and procedures 4.3 Record and store network documentation according to organisational policies and procedures 4.4 Notify required personnel of completed network documentation and initiate final sign off

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
Numeracy	Recognises, compares and interprets technical data when developing network addressing scheme
Oral Communication	Articulates requirements and strategies using technical language appropriate to audience and environment
Reading	Gathers, interprets and analyses current industry information from a range of sources and identifies relevant and key information
Writing	Prepares required documentation conveying explicit recommendations, requirements and information using specific and relevant language
Teamwork	Identifies and takes steps to follow accepted communication practices and protocols

Unit Mapping Information

Supersedes and is equivalent to ICTNWK412 Create network documentation.

Links

Companion Volume Implementation Guide is found on VETNet -

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

Assessment Requirements for ICTNWK431 Create network documentation

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Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, and to:

- design and implement at least one network document and publish to its intended environment.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

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

Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry.

This includes access to:

- a site where network documentation can be carried out

- a live network
- software tools to support network documentation tasks
- relevant network documentation
- legislation and standards documentation
- industry codes of practice
- required regulatory documentation that affects networking documentation activities
- organisational guidelines.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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