ICTCYS611 Configure security devices for organisations

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 6.0.

Application

This unit describes the skills and knowledge required to implement the device security configuration on WAN links and DMZs for a medium to large size organisation.

It applies to those who work in senior cyber security roles including, senior network and senior server administrators, network engineers and security architects, and are responsible for the configuration and implementation of security for required devices.

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

Unit Sector

Cyber security

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. Prepare configuration of security devices	1.1 Conduct a needs analysis and determine organisation's needs to configure security devices 1.2 Determine devices required for configuration according to organisational requirements 1.3 Determine network and system security requirements 1.4 Obtain and review manufacturing and technical requirements for devices 1.5 Research and document device risk threats and vulnerabilities according to organisational requirements
2. Design configuration plan	2.1 Develop and document configuration plan according to organisational requirements 2.2 Submit plan to required personnel and seek and respond to

ELEMENT	PERFORMANCE CRITERIA
	feedback
	2.3 Finalise plan and communicate to required personnel in preparation for configuration
3. Configure security devices	3.1 Isolate devices according to technical specification and configuration plan
	3.2 Configure virtual networks according to specifications and plan
	3.3 Configure secure site-to-site connectivity and VPN requirements
	3.4 Implement required encryption according to specifications and plan
	3.5 Implement a DMZ according to specifications and plan
4. Test configured devices	4.1 Test configuration capabilities against requirements
	4.2 Conduct penetration test and record outcomes according to organisational requirements
	4.3 Document and communicate test findings to required personnel and implement any required configuration changes
	4.4 Lodge documentation according to organisational policies and procedures

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
Reading	• Organises, evaluates and critiques ideas and information from a range of complex texts • Uses a range of strategies to build and maintain understanding throughout complex texts
Writing	• Prepares complex workplace documentation detailing processes and outcomes using required structure, layout and required language
Planning and organising	• Develops the operational detail in stages, regularly reviewing priorities and performance during strategy development and implementation, and identifies and addresses issues challenges as they arise
Problem solving	• Identifies context to recognise anomalies and subtle deviations to normal expectations, focusing attention and remedying problems as they arise
Technology	• Demonstrates a sophisticated understanding of principles, concepts, language and practices associated with the digital world and uses these to

SKILL	DESCRIPTION
	troubleshoot and understand the uses and potential of new technology

Unit Mapping Information

No equivalent unit. New unit.

Links

Companion Volume Implementation Guide is found on VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2