



Australian Government

ICTNWK550 Design ICT system security controls

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 design the security controls that confirm that an Information and Communications Technology (ICT) system is both physically and legally secure.

It applies to individuals in a range of ICT areas who are required to guarantee the security of ICT systems.

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. Review organisational security policy and procedures	1.1 Analyse business environment and identify organisational system security controls requirements 1.2 Determine legislative requirement for ICT security and impact on organisational requirements 1.3 Identify organisational ICT security threats 1.4 Document analysis findings and security requirements and submit to required personnel for approval 1.5 Seek and respond to feedback from required personnel as required
2. Develop security plan	2.1 Identify potential security attacks, threats and risks 2.2 Prioritise, categorise and document assessment results

ELEMENT	PERFORMANCE CRITERIA
	2.3 Determine and document security plan according to organisational requirements 2.4 Submit plan to required personnel and seek feedback 2.5 Integrate approved changes into security plan and confirm compliance with statutory requirements
3. Implement system controls	3.1 Implement security controls according to security plan and confirm minimum risk of security breaches 3.2 Monitor each phase of implementation and determine organisational impact 3.3 Document implementation process according to organisational requirements 3.4 Plan risk assessment review process according to organisational requirements

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

SKILL	DESCRIPTION
Oral communication	<ul style="list-style-type: none"> • Uses listening and questioning skills to confirm requirements, articulate and present complex concepts and matters using required terminology for intended audience
Reading	<ul style="list-style-type: none"> • Interprets legislative, organisational and technical material to determine job requirements
Writing	<ul style="list-style-type: none"> • Develops a broad range of business reports for a specific audience, using clear and detailed language to convey explicit information, requirements and recommendations
Planning and organising	<ul style="list-style-type: none"> • Operates from a broad conceptual plan, developing the operational detail in stages, regularly reviewing priorities and performance during implementation and identifying and addressing issues
Problem solving	<ul style="list-style-type: none"> • Monitors outcomes of decisions, considering results from a range of perspectives and identifying key concepts and principles that may be adaptable in the future
Self-management	<ul style="list-style-type: none"> • Identifies and applies complex legislative or regulatory requirements required to own role and considers implications of any changes when planning and undertaking work
Technology	<ul style="list-style-type: none"> • Identifies and applies complex principles, concepts, language and practices associated with the digital world • Monitors and controls access to digitally stored and transmitted

SKILL	DESCRIPTION
	information

Unit Mapping Information

Supersedes and is equivalent to ICTNWK520 Design ICT system security controls.

Links

Companion Volume Implementation Guide is found on VETNet -

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