



Australian Government

ICTSAS530 Use network tools

Release: 1

ICTSAS530 Use network tools

Modification History

Release	Comments
Release 1	This version first released with the Information and Communications Technology Training Package Version 8.0. • Supersedes and is equivalent to ICTSAS517 Use network tools. • Supersedes and is not equivalent to ICTNWK613 Develop plans to manage structured troubleshooting process of enterprise networks.

Application

This unit describes the skills and knowledge required to select, operate and test an array of networking tools to maintain high security networks.

The unit applies to individuals who may work in technical management support and security roles with responsibility for maintaining network security using a wide range of information and communications technology (ICT) skills and knowledge.

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

Unit Sector

Systems administration and support

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. Apply command-line tools	1.1 Confirm work brief, relating to work tasks, hardware and peripheral quality standards, work health and safety (WHS) standards, and organisational policies and procedures 1.2 Analyse command-line interface and graphical user interface (GUI) systems 1.3 Identify command-line tools according to analysis 1.4 Write command-line text in required GUI environment

ELEMENT	PERFORMANCE CRITERIA
	1.5 Run command line and report issues to required personnel according to organisational policies and procedures
2. Apply hardware tools	2.1 Identify organisational computing hardware and components 2.2 Assess hardware quality standards according to work brief 2.3 Test network security using hardware tools according to WHS standards 2.4 Document test results in required format
3. Apply software tools	3.1 Assess organisational computing software 3.2 Access and identify software quality standards 3.3 Conduct risk analysis and document network vulnerabilities 3.4 Recommend computer safeguard guidelines according to risk analysis findings 3.5 Present recommendations to required personnel in required format

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	Identifies and interprets textual information and numerical data from a range of sources to determine necessary actions
Writing	Records textual and numerical data in format specific to requirements
Planning and organising	Accepts responsibility for planning, prioritising and sequencing complex tasks and workload
Problem solving	Uses problem solving techniques to analyse outcomes and manage networks
Technology	Monitors and controls access to digitally stored and transmitted information

Unit Mapping Information

Supersedes and is equivalent to ICTSAS517 Use network tools.

Supersedes and is not equivalent to ICTNWK613 Develop plans to manage structured troubleshooting process of enterprise networks.

Links

Companion Volume Implementation Guide is found on VETNet - -

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