# ICTSAS517 Use network tools

**Release: 1**

# ICTSAS517 Use network tools

## 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 use tools to assist in managing a network effectively.

It applies to individuals who apply technical and specialised knowledge to monitor security and resolve issues for the network.

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 |
|---------|----------------------|
| *Elements describe the essential outcomes.* | *Performance criteria describe the performance needed to demonstrate achievement of the element.* |
| 1. Use command line tools | 1.1 Analyse command-line environment<br><br>1.2 Differentiate command-line and graphical user interface (GUI) systems<br><br>1.3 Identify command-line tools<br><br>1.4 Apply command-line tools in GUI environment |
| 2. Use hardware tools | 2.1 Identify appropriate hardware tools and their function<br><br>2.2 Review work health and safety (WHS) requirements for tool use<br><br>2.3 Manage network using hardware tools |

| ELEMENT | PERFORMANCE CRITERIA |
|---|---|
| | 2.4 Analyse test results |
| 3. Use software tools | 3.1 Identify appropriate software tools for network security |
| | 3.2 Determine areas of vulnerability |
| | 3.3 Classify function of each tool |
| | 3.4 Manage network using software tools |
| | 3.5 Analyse test results |

## 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 | 1.1, 2.1, 2.2, 3.1 | • Identifies and interprets textual information and numerical data from a range of sources to determine necessary actions |
| Writing | 1.3 | • Records textual and numerical data in format specific to requirements |
| Numeracy | 3.5 | • Uses mathematical equations to calculate numerical data and compare test outcomes |
| Get the work done | 1.1-1.3, 2.1, 2.3, 2.4, 3.1-3.5 | • Accepts responsibility for planning, prioritising and sequencing complex tasks and workload <br> • Uses problem solving techniques to analyse required outcomes and manage the network <br> • Uses digital technologies to manage network operations |

## Unit Mapping Information

| Code and title current version | Code and title previous version | Comments | Equivalence status |
|---|---|---|---|
| ICTSAS517 Use network | ICASAS517A Use network | Updated to meet | Equivalent unit |

| Code and title current version | Code and title previous version | Comments | Equivalence status |
|---|---|---|---|
| tools | tools | Standards for Training Packages.<br><br>Minor edits to the performance criteria for clarity. | |

# Links

Companion Volume implementation guides are found in VETNet -
https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2