



Australian Government

Assessment Requirements for ICTSAS310

Install, configure and secure a small office or home office network

Release: 1

Assessment Requirements for ICTSAS310 Install, configure and secure a small office or home office network

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 6.0.

Performance Evidence

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

- install, configure and secure a SOHO network on at least one occasion.

In the course of the above, the candidate must:

- install, configure and test hardware and software for SOHO network, including:
 - network technologies
 - device
 - protocols
 - network cables and connectors
- install, configure and test the network according to client requirements and produce required documentation
- troubleshoot client-side connectivity and security system symptoms and issues
- liaise with vendors and service suppliers to:
 - obtain specifications, availability and cost of identified components
- develop installation plans that incorporate:
 - task prioritisation
 - contingency arrangements
 - minimum disruption to clients
- document final network design, security features and installation, boot up and configuration procedures.

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:

- industry accepted hardware and software products, including those used for networks

- building requirements that may be used in installing, configuring and securing an office
- data and voice transmission technologies and protocols
- hardware and software installation procedures
- organisational procedures including:
 - software and hardware testing methods
 - network setting testing methods
 - software, hardware and network setting problem resolution procedures
- local area network (LAN) capabilities and characteristics, including:
 - network types
 - internet protocol addressing
 - switch and hub operation
- network connections, both wired and wireless
- networking technologies, including network operating systems and cabling standards
- network tools, set-up and configuration procedures
- security implications and methods for a home office network
- software packages supported by the organisation
- industry standards applicable to small networks
- installation and configuration tools.

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:

- industry standard software, hardware and networking technologies
- server and workstation hardware and software
- internet connection
- live network
- network components, hardware and software
- networked devices
- vendor hardware and software components
- technical documentation and installation manuals.

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

Links

Companion Volume Implementation Guide is found on VETNet -

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