



**Australian Government**

# **Assessment Requirements for ICTNWK622 Configure and manage intrusion prevention system on network sensors**

**Release: 1**

# Assessment Requirements for ICTNWK622 Configure and manage intrusion prevention system on network sensors

## 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:

- identify and evaluate requirements for a medium size digital environment on at least one occasion
- configure, tune and manage intrusion prevention system on at least one occasion.

In the course of the above, the candidate must:

- upgrade and maintain IPS sensors
- document finalised processes and outcomes.

## 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:

- configuration, verification and troubleshooting procedures to undertake switch and router operation and routing protocol
- internetwork operating system (IOS), internet protocol (IP) networking models and deployment schemes
- IP addressing and transmission control protocol (TCP) and IP stack
- IPS and intrusion detection system (IDS) strategies, sensor technologies and licensing requirements
- local area network and wide area network (LAN/WAN) implementations and design
- network topologies, architectures, elements, standards and protocols
- virtual local area network (VLAN) concepts and functionality and virtual private network (VPN) technologies
- legislation, regulations, standards and codes of practice required to network security.

## 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:

- a site or prototype where network installation may be conducted
- industry standard hardware and software
- organisational guidelines, policies and procedures
- live network
- an IPS system and its sensors.

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>