



**Australian Government**

# **Assessment Requirements for 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.

## 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:

- review organisations existing security policies and procedures and design and document security procedures and controls for a system on at least one occasion.

In the course of the above, the candidate must:

- oversee the implementation and evaluation of the strategy.

## 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:

- communications security, including human organisational interactions
- procedures for conducting information security risk assessments
- internet security technologies and processes, including:
  - firewalls
  - physical security
  - security testing methods for performing security tests
  - wireless security
  - security threats
  - the impact of security policies, plans and strategies
  - general features of specific security technology
  - risk assessment
- current industry standard security processes, including general features and capabilities of software and hardware solutions
- legislative requirements and ethical standards expected when considering security controls, including:

- ethics in Information and Communications Technology (ICT)
- privacy issues.

## 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:

- ICT security assurance specifications
- probability, frequency and severity of direct and indirect harm, loss or misuse of the ICT system
- risk analysis tools and methodologies
- an ICT environment in which there are security risks
- legislation, regulations and standards relating to security
- existing organisational security policies.

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>