



Australian Government

Assessment Requirements for ICTNWK550

Design ICT system security controls

Release: 1

Assessment Requirements for ICTNWK550 Design ICT system security controls

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>