



Australian Government

Assessment Requirements for ICTNWK520 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 1.0.

Performance Evidence

Evidence of the ability to:

- review organisational security policies and procedures
- establish realistic security procedures
- design security plan and controls for a system
- develop a security control strategy
- oversee the implementation and evaluation of the strategy.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- describe communications security, including human organisational interactions
- describe how to conduct an information security risk assessment
- identify and summarise 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
- describe current industry accepted security processes, including general features and capabilities of software and hardware solutions

- outline the legal and ethical standards expected when considering security controls, including:
 - ethics in information and communications technology (ICT)
 - privacy issues
 - legislation
- summarise the need for developing organisational guidelines, processes, policies and procedures.

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the network industry, and include 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
- organisational expertise.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

Companion Volume implementation guides are found in VETNet -

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