



Australian Government

**Assessment Requirements for ICTNWK510
Develop, implement and evaluate system
and application security**

Release: 1

Assessment Requirements for ICTNWK510 Develop, implement and evaluate system and application security

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:

- create an information and communications technology (ICT) system or application security plan
- implement system and application security
- apply and verify compliance with the identified standards
- practise secure coding practices
- assess and evaluate system compliance.

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:

- summarise a range of programming languages, including those used by the organisation
- summarise best practice in application of language syntax rules
- explain data structures
- outline graphical user interfaces (GUIs)
- summarise small-size application development
- identify and summarise the legislation, regulations and codes of practice that impact on network security
- describe the risk assessment process required in evaluating system vulnerabilities, including:
 - risk mitigation
 - security control selection
 - implementation and evaluation process
 - software security standards compliance.

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 business specifications
- information on the security environment, including laws and legislation, existing organisational security policies, organisational expertise and knowledge
- possible security environment, which also includes the threats to security that are, or are held to be, present in the environment
- risk analysis tools and methodologies
- ICT security assurance specifications
- application and system scenarios.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

Companion Volume implementation guides are found in VETNet -

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