



Australian Government

Assessment Requirements for ICTNWK545 Develop, implement and evaluate systems and applications security

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:

- create and implement an Information and Communications Technology (ICT) system and application security plan on at least one occasion.

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:

- industry standard programming languages
- industry standard best practices in application of language syntax rules, including:
 - data structures
 - graphical user interfaces (GUIs)
 - small-size application development
- legislation, regulations and codes of practice that impact on network security
- threats and risks to the security environment
- security assurance specifications
- risk assessment process required in evaluating system vulnerabilities, including:
 - risk mitigation
 - security control selection
 - implementation and evaluation process
 - software security standards compliance.

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 business specifications
- information on security environment, including:
 - laws and legislation
 - existing organisational security policies
 - organisational expertise and knowledge
- application and system scenarios.

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>