



Australian Government

Assessment Requirements for ICTNWK546

Manage network 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:

- evaluate security information and use it to plan control methods and countermeasures to manage prescribed network security requirements on at least one occasion.

In the course of the above, the candidate must:

- document plans, policies and processes.

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 ICT networks and their configuration
- network attacks, vulnerabilities and related weaknesses of installed infrastructure, including:
 - security technologies
 - emerging security issues
- network security measures, including:
 - auditing and penetration testing techniques
 - logging analysis techniques
 - organisational network infrastructure
 - capabilities of software and hardware solutions
 - general features of emerging security policies, with depth in security procedures
 - network management and security process controls
- network security implementation risk management plans and procedures, including:
 - network security planning
 - implementation

- cost analysis and budgeting.

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:

- a site or prototype where network security may be implemented and managed
- network support tools currently used in industry
- organisational security policies, manufacturer recommendations and security standards.

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>