



Australian Government

Assessment Requirements for ICTNWK544 Design and implement a security perimeter for ICT networks

Release: 2

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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.
Release 2	Correcting an error in Performance Criteria 3.3.

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:

- design, configure and test a security perimeter and integrated VPN solution on network devices on at least one occasion.

In the course of the above, the candidate must:

- design and configure a firewall solution and network devices
- conduct testing of the performance of the perimeter of security devices
- document functionality performance results and the finalised process.

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 emerging security issues and the requirement for security policies
- industry standard security perimeter issues related to networks, including:
 - security technologies according to perimeter design
 - weaknesses of installed perimeter design
- principles and techniques for designing and implementing a security perimeter, including:
 - software and hardware perimeter solutions
 - organisational network infrastructure
 - auditing and penetration testing techniques
 - logging analysis techniques.

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:

- site or prototype where perimeter security may be implemented and managed
- perimeter devices
- organisational security requirements.

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>