Australian Government

Assessment Requirements for ICTNWK509 Design and implement a security perimeter for ICT networks

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:

- identify threats to perimeter security
- develop design for a secure perimeter
- deploy perimeter to meet security requirements
- design and configure advanced features of perimeter devices to provide additional services
- design and configure an integrated VPN solution
- conduct exhaustive testing of perimeter.

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:

- identify and describe emerging security issues and the need for security policies
- describe the security perimeter issues related to networks, including:
    - auditing and penetration testing techniques
    - capabilities of software and hardware perimeter solutions
    - logging analysis techniques
    - organisational network infrastructure
    - security technologies according to perimeter design
    - weaknesses of installed perimeter design.

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:

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

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

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