Assessment Requirements for ICTNWK511 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 1.0.

Performance Evidence

Evidence of the ability to:

- identify threats to security
- develop risk management plan
- design network security policies
- analyse and plan solutions to compromised networks and design incident response
- evaluate security information and use it to plan suitable control methods and countermeasures
- add network controls, according to system security policies, procedures and risk management plan.

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:

- recognise and describe common ICT networks and their configuration
- identify and describe network attacks, vulnerabilities and related weaknesses of installed infrastructure, including:
  - security technologies
  - emerging security issues
- identify and describe 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
- explain network security implementation risk management plans and procedures, including:
  - network security planning
  - implementation
  - cost analysis and budgeting.

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:

- 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 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-b778-71c9e 9d6aff2