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Assessment Requirements for ICTNWK416 Build security into virtual private networks

Release: 1

Assessment Requirements for ICTNWK416 Build security into virtual private networks

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:

- configure a router to provide the required security
- implement and maintain security functionality for a virtual private network (VPN), including:
    - site to site VPN
    - remote access VPN
- produce security documentation.

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:

- outline the characteristics of a VPN system, including:
    - site to site
    - remote access systems
    - network protocols and operating systems relevant to VPN, including its features, issues and functions
- describe the security requirements for a VPN, including:
    - auditing and penetration testing techniques
    - configuration of routers and switches
    - security protocols, standards and data encryption
    - processes and techniques related to security perimeters and their functions
    - security threats, including eavesdropping, data interception, data corruption and data falsification

- - transmission control protocol or internet protocol (TCP/IP) protocols and applications audit and intrusion detection systems
  - authentication issues
- recognise and describe the differences between common networks, including:
  - local area network (LAN)
  - wireless local area network (WLAN)
  - wide area networks (WAN)
- identify and describe organisational issues surrounding:
  - security cryptography
  - screened subnets
  - virus detection software.

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:

- network technical requirements
- network infrastructure, including servers and security hardware and software.

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