



Australian Government

Assessment Requirements for ICTNWK606 Implement voice applications over secure wireless 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:

- analyse and specify voice over wireless architecture requirements
- design and implement voice applications over wireless local area network (WLAN)
- implement a quality of service (QoS) for wireless applications
- use network tools to configure and test wireless infrastructure and applications
- plan and scope the wireless network bandwidth.

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:

- explain the configuration, verification and troubleshoot procedures required to undertake:
 - router operation and routing
 - virtual local area network (VLAN) switching and inter-switching communications
- summarise iDevice operating system (iOS) and internet protocol (IP) networking models
- outline video and high-bandwidth applications and requirements
- explain voice applications and protocols
- clarify voice over wireless local area network (VoWLAN) technologies
- describe the following aspects of wireless networks:
 - current regulations, standards and certifications
 - deployment schemes
 - network security technology
 - network topologies and elements
 - networking protocols
- summarise WLAN devices and their specification and use.

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 networking industry, and include access to:

- a site where network installation may be conducted
- hardware and software
- organisational guidelines
- computers
- stand-alone and lightweight WLAN controllers and AP
- hardware and software LAN/WLAN voice technologies.

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>