



Australian Government

**Assessment Requirements for ICTRFN303
Install WiMAX customer premises
equipment broadband wireless access
equipment**

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Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 2.0.

Performance Evidence

Evidence of the ability to:

- ensure that the site access, resources and installation requirements are confirmed prior to installation
- install and test Worldwide Interoperability for Microwave Access (WiMAX) customer premises equipment (CPE) outdoor units
- install indoor unit and connect to customer network
- reinstate site, document and complete installation reports.

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:

- describe the wireless standard 'WiMAX' including:
 - general characteristics of WiMAX networks e.g. mobile broadband and internet access
 - applications of WiMAX technology
 - terminology associated with WiMAX technologies
 - range and function of gateway devices
 - protocols IEEE 802.16 and IEEE 802.11
- identify and discuss the relevant legislation, codes, regulations and standards, work health and safety (WHS) and environmental requirements
- explain the impact of location on microwave propagation and losses.

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 should be typical of those experienced in the telecommunications – radio frequency networks field of work and include access to:

- sites on which WiMAX installations can be conducted
- tools and equipment required for installation
- relevant regulatory and equipment documentation.

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 guides are found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>