



Australian Government

Assessment Requirements for ICTTEN415 Install and configure internet protocol TV in a home network

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 2.0.

Performance Evidence

Evidence of ability to:

- create and follow implementation plans for internet protocol television (IPTV)
- install relevant network hardware and software
- configure and test IPTV network according to specified guidelines
- integrate IPTV to existing network
- produce appropriate documentation
- implement secure network.

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 competing video delivery over broadband networks
- outline current industry-accepted hardware and software products
- summarise IPTV configurations
- clarify IPTV protocols and encoding techniques
- summarise networking technologies, incorporating substantial depth in network operating systems and IP networks
- outline transmission technologies and protocols
- summarise video compression formats
- describe the common issue that affects home network performance.

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 networks engineering field of work and include access to:

- a site where installation and configuration of an IPTV network may be conducted
- equipment currently used in industry
- information on different protocols
- relevant technical information, legislative requirements and other site and project-related 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>