



Australian Government

Assessment Requirements for ICTTEN424 Install and configure internet protocol TV in a service provider network

Release: 1

Assessment Requirements for ICTTEN424 Install and configure internet protocol TV in a service provider network

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:

- install relevant network hardware and software
- configure and test internet protocol television (IPTV) network according to specified guidelines
- configure label switch routers (LSR) in an multi-protocol label switching (MPLS) network
- build and configure content delivery network (CDN) architecture network
- 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
- summarise current industry-accepted hardware and software products
- outline networking technologies incorporating detailed knowledge of network operating systems and IP networks
- describe transmission technologies and protocols including:
 - border gateway protocol (BGP)
 - enhanced interior gateway routing protocol (EIGRP)
 - flash
 - hypertext transfer protocol (HTTP)
 - internet group management protocol (IGMP)
 - open shortest path first (OSPF)
 - real time streaming protocol (RTSP)
 - routing information protocol (RIP)

- web cache communication protocol (WCCP) operations.

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>