Australian Government

Assessment Requirements for ICTTEN205 Build and maintain a secure 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:

- effectively implement work health and safety (WHS) workplace procedures and practices
- develop a network addressing scheme
- determine required network components to build the network
- plan, build, configure, test and analyse performance of a network
- troubleshoot network problems.

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 enterprise WHS procedures
- explain internet and computer network communication
- outline network addressing schemes including open systems interconnect (OSI) and transmission control protocol (TCP)/IP model
- describe planning the cabling of ethernet networks
- define the seven layer OSI model
- identify correct tool and equipment usage
- identify troubleshooting procedures.

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 network engineering field of work and include access to:

- a site where building and maintenance of secure network may be conducted
- tools, equipment and materials currently used in industry
- relevant workplace procedures
- product and manufacturing specifications and reference material.

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