



Australian Government

Assessment Requirements for ICTTEN301 Provide infrastructure for telecommunications network equipment

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:

- identify potential earthing locations, cable routes, cables trays, data cabinets, telecommunication enclosures and distributors
- build metal superstructure
- install protective earth and functional earth installations
- install power infrastructure
- supervise DC power distribution
- discuss and inform the customer on the progress of works and obtain sign off when completed.

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:

- identify and describe cabling types, connectors and cabling structures
- recognise common customer telecommunications applications and related equipment
- demonstrate connections to carrier infrastructure or equipment
- recognise and describe current legislation relating to installation of telecommunications equipment and connection to carrier services
- describe environmental impact of cabling works, including options for green ICT installations
- describe network topologies, interface and interconnect solutions
- recognise and describe work health and safety (WHS) requirements for:
 - working in confined spaces
 - electrical safety
 - working at heights

- lifting
- materials handling
- other physical hazards
- outline network and transmission equipment and their application
- describe power requirements and electrical safety as they apply to the network environment
- recognise warranty information for equipment supplies and contractor work guarantees.

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 Telecommunications networks engineering field of work and include access to:

- a site where installation of supporting infrastructure may be conducted
- plant, tools and equipment currently used in industry
- relevant regulatory and equipment documentation that impact work activities.

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>