



Australian Government

**Assessment Requirements for ICTTEN322
Provide infrastructure for
telecommunications network customer
equipment**

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Modification History

Release	Comments
Release 1	This version released with ICT Information and Communications Technology Training Package Version 5.0.

Performance Evidence

The candidate must demonstrate, on two occasions, the ability to perform the tasks outlined in the elements, performance criteria, and foundation skills, and to:

- identify potential earthing locations, cable routes, cables support systems, data cabinets, telecommunication enclosures and distributors
- construct metal superstructure and racks
- install protective earth installations
- organise AC mains power infrastructure
- install uninterrupted power supply (UPS) backup power
- notify customer of works progress.

Knowledge Evidence

The candidate must demonstrate the knowledge required to perform the tasks outlined in the elements, performance criteria, and foundation skills, which includes knowledge about:

- cabling types, connectors and cabling structures used in telecommunications networks
- common customer telecommunications applications and related equipment
- connections to carrier infrastructure or equipment
- legislation, regulations, codes and standards for compliance relating to installation of telecommunications equipment and connection to carrier services in particular:
 - work health and safety (WHS) requirements for managing hazards on the worksite including:
 - confined spaces
 - electrical safety including the limits of electrical work as set by local electrical regulatory body
 - working at heights
 - lifting
 - materials handling

- physical hazards
- tools and test equipment required for an infrastructure installation
- site survey process and data that should be recorded
- environmental impacts, including options for information and communications technology (ICT) installations
- network topologies, interface and interconnect solutions
- network and transmission customer equipment likely to be encountered
- common backup UPS systems, AC mains power requirements and electrical safety for telecommunications networks
- types of warranty information for equipment supplies and contractor work guarantees
- importance of correctly labelling an installation.

Assessment Conditions

Skills must be assessed in a workplace or simulated environment where conditions are typical of those in a telecommunications work environment or workplace.

Access is required to:

- site/s where installation of supporting infrastructure can be conducted
- plant, tools, equipment and personal protective 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 available from VETNet -

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