



Australian Government

**Assessment Requirements for ICTCBL236
Install, maintain and modify customer
premises communications cabling: ACMA
Restricted Rule**

Assessment Requirements for ICTCBL236 Install, maintain and modify customer premises communications cabling: ACMA Restricted Rule

Modification History

Release	Comments
Release 2	This version first released with ICT Information and Communications Technology Training Package version 3.1. New release provides updates to Elements and Performance Criteria.
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 2.0.

Performance Evidence

Evidence of the ability to:

- complete a cabling installation and termination for the following:
 - three different types of telephone sockets:
 - Australian modular socket
 - RJ45, RJ12 or RJ11 modular socket
 - Mode 3 alarm socket
 - one network termination device (NTD) completion of TCA1 compliance forms and NTD records
- apply cable conductor identification codes
- conduct and interpret cable test results
- interpret and apply standards and regulations
- comply with all related work health and safety (WHS) requirements and work practices
- meet Australian Communications and Media Authority's (ACMA) requirements.

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:

- discuss the basic electrical principles of - insulation, resistance, capacitance, induction - as causes of, impedance, attenuation and cross-talk

- identify Australian Communications and Media Authority's (ACMA) cabling provider rules, cabler registration rules, regulations and standards
- describe the regulatory environment in which cabling can be carried out including:
 - accredited registrars and registration
 - ACMA
 - Certified Components List
 - labelling requirements
- describe the customer cabling environment for which restricted cabling may be required for internal, external, above ground or below ground installation
- identify and describe the various cable types, their identifiers, termination systems, separations, support systems and fastening techniques used for communications cabling
- describe the features and operating requirements of recognised cabling specific industry test equipment
- describe the information required to operate equipment according to a test specification
- identify legislation, codes of practice and other formal agreements that impact on the work activity
- identify the manufacturer's requirements for safe operation of equipment
- identify specific workplace health and safety (WHS) requirements relating to the activity and site conditions
- describe test methods and performance requirements
- describe the typical issues and challenges that occur on site
- summarise the mandatory and workplace records required when installing communications cabling
- describe the installation requirements for underground and aerial cables including:
 - minimum depth of cover (below ground)
 - segregation from hazardous electrical and other services
 - earthing requirements
 - compliance with current Australian Standards
- describe the design parameters for underground cables in regard to the purpose they will serve and for the prevention of water ingress.

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 – cabling field of work and include access to special purpose tools, equipment and materials. These include:

- access to a site on which communications cabling activities may be carried out
- cabling and field equipment currently used in industry
- licensing requirements and other site related documentation.

Note: All client cabling work in the telecommunications, fire, security and data industries must be performed by a registered cabler. All cablers are required to register with an Australian Communications and Media (ACMA) accredited registrar. Assessment by a Telecommunications Industry Training Advisory Board (TITAB) registered assessor is recommended for this unit.

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>