



Australian Government

Assessment Requirements for ICTCBL301 Install, terminate and certify structured cabling installation

Release: 2

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Modification History

Release	Comments
Release 2	This version released with ICT Information and Communications Technology Training Package Version 5.0.
Release 1	This version released with ICT Information and Communications Technology Training Package Version 2.0.

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- install, terminate and certify a structured cabling installation to industry standards, applying related work health and safety (WHS) requirements and work practices
- install and test the following UTP (Cat 6, Cat 6A & Cat 7) and FTP (Cat 6 2x2)
- install termination hardware
- conduct a termination test and interpret the results
- verify compliance with manufacturer's installation specifications and warranties
- provide a report certifying the installation and test results to the client.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- Australian Communications and Media Authority (ACMA) competency requirements for Telecommunications Cabling Provider Rules
- legislation, codes of practice and other formal agreements that impact on the work activity
- application of industry standards on cable bending, anchors, tension, twist and labelling
- tools and equipment commonly used in cable installations and testing
- features and operating requirements of test equipment
- types and structure of cable and termination hardware used in communications installations

- information required to operate equipment according to a test specification
- identify the manufacturer's requirements for safe operation of equipment
- identify specific WHS hazards and requirements relating to the activity and site conditions
- test methods and performance requirements
- different types of records and documentation that may be required for certification and reporting
- typical issues and challenges that occur on site.

Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry.

This includes access to:

- sites where installation, termination and certification of structured cabling may be conducted
- testing equipment currently used in industry
- relevant regulatory and equipment documentation that impacts on installation.

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 available from VETNet -

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