



Australian Government

Assessment Requirements for ICTCBL303 Install and terminate coaxial cable

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 and terminate coaxial cable types including RG6 quad shielded coaxial cable
- install different connector types
- conduct and interpret test results
- verify the installation complies with manufacturer's specifications and warranties
- prepare a report for a client that documents the installation and test results
- comply with all related work health and safety (WHS) requirements and work practices.

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:

- legislation, regulations, standards and codes of practice associated with the installation of coaxial cables
- features of types of coaxial cable and the manufacturer's specifications that apply
- features and operating requirements of test equipment for coaxial cable
- information required to operate equipment according to a test specification
- manufacturer's requirements for safe operation of coaxial cable tools and equipment
- safety precautions when working with coaxial cable and radio frequency (RF) based systems
- specific WHS requirements relating to the activity and site conditions

- test methods and performance requirements
- types and techniques for connecting and termination of coaxial cable, including:
 - compression termination
 - crimp termination
- function of over-voltage protection devices
- transmission and propagation characteristics of coaxial cable
- 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:

- special purpose tools, equipment and materials
- sites where installation and termination of coaxial cabling may be conducted
- equipment and personal protective equipment currently used in industry
- testing equipment currently used in industry
- relevant regulatory and equipment documentation that impacts on installation activities.

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>