



Australian Government

Assessment Requirements for ICTCBL241 Terminate metallic conductor customer cable

Release: 1

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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 the ability to perform the tasks outlined in the elements, performance criteria, and foundation skills, and to:

- terminate systems at both distributor and outlet locations
- terminate one jumperable distributor (campus distributor or building distributor) with a capacity of 100 pair or greater and one non-jumperable distributor (local distributor) and a patch panel
- terminate at least one 50 pair, one 4 pair ethernet unshielded twisted pair (UTP) data cable and one ethernet shielded twisted pair (STP) data cable, and accurately complete installation records, drawing alterations and compliance forms
- comply with all related work health and safety (WHS) requirements and work practices
- use correct methods to terminate a range of cables
- conduct and interpret cable test results on a minimum of three different lead-in faults
- update records and plans to show cable locations according to industry standards.

Note: Evidence must be provided at least once when a specific volume or frequency is not stated.

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:

- legislation, regulations, codes, standards and rules that impact on work, in particular:
 - AS/NZS 3000:2018 Electrical installations known as the Australian/New Zealand Wiring Rules.
 - mandatory and voluntary technical standards
- specific WHS and environmental requirements relating to the activity and site conditions, including typical safety issues and challenges that occur on site
- purpose, construction, and characteristics of types of cable used in performance evidence

- recognition of colour
- basic telephony including operations
- strategies to manage cabling infrastructure when terminating cables
- features and operating requirements of testing
- operation of termination tools to manufacturer guidelines
- procedures for installing and maintaining cabling products in line with manufacturer guidelines
- termination methods and performance requirements.

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 metallic conductor cable can be terminated
- colour codes for visual inspections or wire-mappers for 4 pair cable tests
- relevant regulatory and cabling documentation that impacts on cable terminating activities.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Work functions in the occupational areas where this unit may be used are subject to regulatory requirements. Refer also to the *Requirements for assessors* in the ICT Information and Communications Technology Training Package Companion Volume Implementation Guide.

Links

Companion Volume Implementation Guides are available from VETNet -

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