



**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>