



Australian Government

Assessment Requirements for ICTCBL304 Perform cable and system test on customer premises

Release: 1

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Modification History

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

Performance Evidence

Evidence of the ability to:

- perform tests on at least 10 cables
- use a range of test devices including:
 - pulse echo tester
 - resistance fault locator
- use advanced multifunction test equipment to test:
 - an active public switched telephone network (PSTN) line
 - to perform a frequency response plot of a cable pair
- use exchange based testing equipment to test an active PSTN line
- identify at least 5 separate cable faults using test equipment
- interpret test results
- demonstrate appropriate methods of escalation of cable faults affecting service delivery
- report on the completed cable and system test.

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:

- recognise cabling types, connectors and cabling structures
- identify connections to carrier infrastructure or equipment, such as main distribution frame (MDF) or customer interface units (CIU)
- identify electrical and/or optical properties to be measured
- evaluate test results derived from test equipment and interpret test results against expected cable system performance specifications

- describe typical performance parameters and faults that may be encountered in customer cabling and related connection and transmission equipment
- select types of equipment suitable for tests to be carried out.

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 must be typical of those experienced in the telecommunications – cabling field of work and include access to:

- sites where cable and system tests may be conducted
- cable and system testing equipment currently used in industry
- relevant regulatory and cable specifications that impact on cable and system testing installation activities.

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.education.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>