



Australian Government

Assessment Requirements for ICTCBL302 Install and terminate optical fibre cable 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:

- install, terminate and test optical fibre cable, applying safety precautions when working with laser based systems
- install a mechanical splice connector and fusion splice a pigtail to cable fibre
- complete relevant documentation to manufacturer's and design requirements
- provide report documenting the installation and test results to the customer
- 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

To complete the unit requirements safely and effectively, the individual must:

- identify and describe the application of relevant legislation, codes of practice and standards for optical fibre
- describe the various types of optical fibre cable and associated connectors, enclosures and required equipment
- describe the features and operating requirements of test equipment for optical fibre cable
- describe the information required to operate equipment according to a test specification
- identify the manufacturer's requirements for safe operation of optical fibre equipment
- describe safety precautions when working with laser based systems
- identify specific WHS requirements relating to the activity and site conditions
- describe the hazards associated with working with optical cable:
 - bare fibres
 - hazardous laser light
- describe test methods and performance requirements
- identify issues relating to environmental work practices and the disposal of waste

- discuss techniques for types of termination, including:
 - direct termination
 - fusion splicing.

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 should be typical of those experienced in the telecommunications – cabling field of work and include access to special purpose tools, equipment and materials.

These include access to:

- sites where installation and termination of optical fibre cable may be conducted
- optical fibre testing equipment currently used in industry
- relevant regulatory and equipment documentation that impacts on optical fibre cable 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 found in VETNet -

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