



Australian Government

**Assessment Requirements for ICTCBL208
Splice and terminate optical fibre cable for
carriers and service providers**

Release: 1

Assessment Requirements for ICTCBL208 Splice and terminate optical fibre cable for carriers and service providers

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:

- splice, terminate and test optical fibre cable, applying safety precautions when working with laser based systems
- splice at least 12 fibres and house in industry recognised enclosures according to manufacturer's instructions
- install a mechanical splice connector (fast or quick connector)
- install a pigtail that is fusion spliced to the cable fibre
- complete relevant documentation to manufacturer's and design requirements
- provide report documenting the installation and test results to client
- 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 causes of signal strength loss in optical fibre
- identify colour coding of fibres
- summarise relevant safety standards applicable to the operation of laser products
- describe the features and operating requirements of test equipment for optical fibre cable
- identify industry and organisational policies and procedures when splicing optical fibre cable
- describe the information required to operate equipment according to a test specification
- identify optical fibre equipment and summarise the manufacturer's requirement for safe operation
- describe the safety precautions when working with laser based systems

- identify specific WHS requirements relating to the activity and site conditions, including hazardous gases
- discuss techniques for types of termination including:
 - direct termination
 - fusion splicing
- describe test methods and performance requirements
- identify types of optical cable
- state the relevant authorities that may be involved in optical fibre installations.

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
- sites where splicing 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.

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