



Australian Government

**Assessment Requirements for ICTBWN304
Work safely with live fibre to test and
commission a fibre to the x installation**

Release: 1

Assessment Requirements for ICTBWN304 Work safely with live fibre to test and commission a fibre to the x installation

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:

- comply with all job requirements and work health and safety (WHS) regulations, standards and work practices
- use optical power test equipment
- evaluate test results
- safely connect input and output optical fibres to the splitter
- conduct live tests measuring optical signals at three wavelength division multiplexing (WDM) wavelengths on optical devices
- conduct acceptance tests for commissioning
- complete connection recording.

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 the location and summarise the contents of relevant organisational policies and procedures
- discuss personal safety issues
- outline the propagation of light in optical communication systems
- explain the role of transmitters and receivers in optical communication systems
- identify the critical aspects of site engineering
- describe the specific WHS risks and controls relating to the handling of optical fibre and the use of laser light sources
- describe WDM applications.

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 – broadband and wireless networks field of work and include access to:

- a WDM system and relevant optical splitter
- tools, equipment and personal protective equipment currently used in industry
- relevant regulatory and equipment documentation that impacts on work 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>