



Australian Government

Assessment Requirements for ICTBWN303 Install lead-in module and cable for fibre to the 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:

- safely use optical power test equipment
- accurately measure optical signals at TWO wavelength division multiplexing (WDM) wavelengths
- install lead-in module in the enclosure for both an aerial and an underground installation
- complete connection recording for both lead-ins
- perform and test an optical fibre lead-in to a distribution joint.

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:

- outline licence requirements for working at heights
- identify the location and summarise the contents of relevant organisational policies and procedures
- discuss personal safety issues
- explain the propagation of light in optical communication systems
- describe the role of transmitters and receivers in optical communication systems
- identify the critical aspects of site engineering
- explain specific WHS requirements relating to the handling of optical fibre and the use of laser light sources
- explain 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 fibre lead-in module, distribution pit, premises conduit and relevant optical network termination (ONT) unit
- 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.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>