



Australian Government

Assessment Requirements for ICTBWN302 Install optical fibre splitters in fibre distribution hubs

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:

- comply with all work health and safety (WHS) regulations, standards and work practices
- safely use optical power test equipment
- accurately measure optical signals at two wavelength division multiplexing (WDM) wavelengths
- correctly install splitter in the enclosure
- connect input and out optical fibres to the splitter
- test optical splitter
- 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 WHS risks and control measures when working with optical fibre and equipment
- explain propagation of light in optical communication systems
- outline the role of transmitters and receivers in optical communication systems
- identify and describe the critical aspects of cleaning of connectors
- summarise 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 distribution hub 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.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>