



Australian Government

Assessment Requirements for ICTOPN502 Perform acceptance and commissioning tests on optical network

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 ability to:

- verify 'as built' installation against installation plans
- undertake acceptance and commissioning tests and analysis against specified installation and commissioning documents
- complete and submit all acceptance documentation incorporating test procedures, results and recommendations
- 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 cabling, terminations and supporting structures that may be encountered in the system under inspection
- outline common performance levels and standards
- describe electrical and optical properties to be measured
- explain health and safety issues appropriate to the work environment under inspection
- summarise typical network topologies, switching, routing and transmission techniques
- discuss transmission type and signals that may be encountered
- identify various test equipment types suitable for tests to be made.

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 – Optical Networks field of work and include access to:

- testing equipment currently used in industry
- relevant regulatory and equipment documentation.

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>