



Australian Government

Assessment Requirements for ICTOPN508

Perform acceptance and commissioning tests on optical networks

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 7.0.

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- perform at least two acceptance and commissioning tests on optical networks.

In the course of the above, the candidate must:

- analyse results against specified installation and commissioning documents
- verify 'as built' installation against at least one installation plan
- 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.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- legislation, codes, regulations and standards, WHS and organisational requirements for scoped work
- features of installation and commissioning specifications
- typical test equipment used for acceptance and commissioning tests
- features of acceptance schedules and test criteria
- cabling, terminations and supporting structures that are encountered in the inspected system
- common performance levels and standards
- electrical and optical properties measured in optical networks
- health and safety issues required to the work environment under inspection
- typical network topologies, switching, routing and transmission techniques
- transmission type and signals that may be encountered
- test equipment types suitable for tests to be made.

Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry.

This includes access to:

- testing equipment used in industry
- required regulatory and equipment documentation.

Assessors of this unit must satisfy the requirements for assessors in required vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume Implementation Guide is found on VETNet -

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