Assessment Requirements for ICTOPN605 Manage optical ethernet transmission

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:

- manage optical ethernet transmissions in at least two networks.

In the course of the above, the candidate must:

- identify test performance parameters and architectural requirements for managing optical ethernet transmission
- plan optical ethernet transmission tests from performance requirements
- select and perform testing regimes on ethernet optical transmissions
- comply with all 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:

- principles and techniques for documenting and reporting test results
- organisational safety requirements and hazard detection guidelines
- industry benchmarks for managing optical ethernet transmission
- intricacies of the following optical ethernet systems:
    - system architecture
    - function and framework within a network environment
    - required testing techniques and analysis
- explain WHS requirements relating to:
    - handling of optical fibre
    - personal safety issues
    - use of laser light sources

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- WHS requirements that impact the safe inspection of optical connectors and the safe measurement of optical power from laser transmission systems
- required legislation, codes, company work practices, regulations and standards and environmental requirements for scoped work.

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:

- test equipment used in industry
- manufacturer technical documentation, legislation, codes and standards.

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