



Australian Government

Assessment Requirements for ICTOPN606 Manage dense wavelength division multiplexing transmission systems

Release: 1

Assessment Requirements for ICTOPN606 Manage dense wavelength division multiplexing transmission systems

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 at least two dense wavelength division multiplexing (DWDM) transmission systems.

In the course of the above, the candidate must:

- determine network parameters and set up performance monitoring
- manage network using required software and tools
- monitor network for faults and performance
- produce at least one fault and performance report
- analyse performance monitoring and alarm data
- prepare at least one report with recommendations based on analysis.

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:

- workplace and industry environment required for DWDM transmission systems
- optical communications principles
- functions, features, operational requirements and testing principles of DWDM technology
- functions and features of simple network management protocol (SNMP)
- organisational policies and procedures required by the DWDM transmission system
- required report formats and communication tools to make recommendations on performance and network degradation
- specific work health and safety (WHS) requirements that impact management of DWDM 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:

- DWDM system and test equipment used in industry
- required equipment manuals, software manuals and other procedural 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>