



Australian Government

Assessment Requirements for ICTTEN505 Commission telecommunications network equipment

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:

- interact with enterprise personnel, customers and other contractors, keeping a customer focus and consideration of customer needs
- produce an outage management plan and contingency plan
- negotiate network activity and timing of commissioning
- commission networking equipment to plan or specification
- implement test plan, and interpret and analyse results against expected outcomes
- test alarms and alarm regime
- analyse faults, problems and anomalies and provide solutions
- 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:

- outline electrical and/or optical properties to be measured
- evaluate a range of networking equipment and their operation
- consider legislation and licensing that govern installation of telecommunications equipment
- define spectrum allocation
- outline network operation procedures
- summarise power requirements and electrical safety
- describe transmission types and signals that may be encountered in telecommunications networks
- summarise the various tests and test equipment required for commissioning.

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 should be typical of those experienced in the telecommunications networks engineering field of work and include access to:

- sites on which installation and commissioning procedures can be conducted
- relevant regulatory and equipment documentation impacting commissioning
- testing equipment currently used in industry.

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>