



Australian Government

Assessment Requirements for ICTTEN312 Install telecommunications network equipment

Release: 1

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Modification History

Release	Comments
Release 1	This version released with ICT Information and Communications Technology Training Package Version 5.0.

Performance Evidence

The candidate must demonstrate the ability to perform the tasks outlined in the elements, performance criteria, and foundation skills, and to:

- plan for and install network hardware and cabling according to equipment or system manuals and customer specifications
- configure and test installation
- verify cable continuity
- comply with all work health and safety (WHS) and environmental requirements and work practices
- notify customer of work progress and obtain sign-off.

Note: Evidence must be provided at least once when a specific volume or frequency is not stated.

Knowledge Evidence

The candidate must demonstrate the knowledge required to perform the tasks outlined in the elements, performance criteria, and foundation skills, which includes knowledge about:

- WHS requirements and environmental procedures relating to the activity and site conditions
- cabling types, connectors and cabling structures
- equipment and connections to carrier infrastructure and internet service provider (ISP) technologies for single and multi-dwelling environments:
 - carrier, asymmetric digital subscriber line, very-high-bit-rate digital subscriber line, fibre network termination device (NTD), hybrid fibre coaxial (HFC) modems
- electrical and/or optical properties of installation
- network and transmission equipment principles
- power requirements and electrical safety

- typical performance parameters and faults that may be encountered in customer equipment and related connection and transmission media
- various test equipment types suitable for tests to be made
- handling and environmental compliance for waste disposal.
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Assessment Conditions

Skills must be assessed in a workplace or simulated environment where conditions are typical of those in a telecommunications work environment or workplace.

Access is required to:

- site/s where installation of telecommunications network equipment can be conducted
- network testing equipment currently used in industry
- relevant regulatory and equipment documentation that impact telecommunications network equipment installation activities.

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 available from VETNet -

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