



Australian Government

Assessment Requirements for ICTDRE308 Install a cable broadband multi-dwelling unit system

Release: 1

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Modification History

Release	Comments
Release 1	This version released with ICT Information and Communications Technology Training Package Release 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:

- obtain relevant approvals for access to site and equipment
- plan, assemble and install equipment
- interpret results
- action test results to align with enterprise requirements
- perform handover with customer
- apply related work health and safety (WHS) requirements and work practices.

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:

- legislation, regulations and codes relevant to installation of broadband systems
- procedures and equipment required for measuring:
 - radio frequency (RF) signal power forward and return
 - insertion loss
 - distance to fault
 - modulation error rate (MER) and bit error rate (BER) for purpose of signal integrity
- features of instruments, test equipment and performance requirements
- RF testing of radio communications instruments and equipment
- typical issues and challenges that occur in telecommunications broadband installations
- safety issues regarding electromagnetic radiation (EMR).

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 broadband multi-dwelling unit (MDU) system installation can be undertaken
- hybrid fibre coaxial (HFC) equipment and devices currently used in industry
- test equipment required for HFC broadband installation and testing.

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>