



Australian Government

Assessment Requirements for UEEDV0014 Test, report and rectify faults in data and voice installations

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology Training Package.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions on at least two separate occasions and include:

- applying relevant work health and safety (WHS)/occupational health and safety (WHS/OHS) requirements, including using risk control measures
- carrying out work without waste of materials or damage to equipment, circuits, surrounding environment or services using sustainable energy principles
- completing documentation
- dealing with unplanned situations
- identifying defects/faults from test results
- interpreting test results
- obtaining and checking tools, equipment and testing devices for correct operation and safety
- preparing and conducting tests of faults
- preparing test reports
- rectifying faults
- undertaking quality checks in accordance with workplace procedures
- verifying installation performance.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- causes of non-compliant test results
- networking fundamentals
- optical time domain reflectometer (OTDR) operating principles, applications and calibration procedures
- performance of copper cable measuring devices and techniques
- performance of optical fibre measuring devices and techniques
- performance parameters associated with copper cables, coaxial cables and optical cables
- recording, reporting and maintaining test results

- relevant industry standards
- relevant manufacturer specifications and operating instructions
- relevant job safety assessments or risk mitigation processes
- relevant tools, equipment and testing devices
- relevant WHS/OHS legislated requirements
- relevant workplace documentation
- relevant workplace quality, policies and procedures
- problem-solving techniques
- test results for compliance with required regulation, standards and/or codes for structured copper cables, coaxial and optical fibre cables
- testing and validation of a customer premises cabling installation.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in suitable workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated suitable workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, facilities and equipment currently used in industry
- resources that reflect current industry practices in relation to testing, reporting and rectifying faults in voice and data installations
- applicable documentation, including workplace procedures, equipment specifications, regulations, codes of practice and operation manuals.

Links

Companion Volume implementation guides are found in VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>