



Australian Government

Assessment Requirements for UEEDV0006 Install and modify optical fibre performance data communication cabling

Release: 1

Assessment Requirements for UEEDV0006 Install and modify optical fibre performance data communication cabling

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 applying risk control measures
- completing documentation
- conducting cable performance tests and documenting results
- dealing with unplanned events
- documenting installation and modification and verifying optical fibre cabling performance
- identifying and rectifying anomalies
- identifying and rectifying defects
- installing and modifying optical fibre cables
- obtaining and checking tools, equipment and testing devices
- preparing and terminating each type of cable in accordance with relevant industry standards
- preparing to install and modify optical fibre cabling
- routing, placing and securing cables in accordance with relevant industry standards
- terminating cable in accordance with manufacturer specifications and relevant industry standards
- terminating optical fibre cables
- testing optical fibres for optical continuity.

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:

- building construction and building codes
- installation and modification
- installation of cables
- optical fibre principles of operation
- optical fibre safety - hazards

- optical fibre safety - laser
- optical theory
- problem-solving techniques
- 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, including risk management principles
- relevant workplace documentation, including administration and management records
- relevant workplace quality, policies and procedures
- support structures and fixings
- sustainable energy principles
- terminating of fibre cables
- testing of optical fibre cables.

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 installing and modifying performance data communication optical fibre cabling
- 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>