



Australian Government

Assessment Requirements for UETDRDU018 Maintain gas and oil filled specialised underground cables

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the UET Transmission, Distribution and Rail Sector Training Package Release 2.0.

Performance Evidence

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

- applying relevant work health and safety (WHS)/occupational health and safety (OHS) requirements, including the use of risk control measures
- applying sustainable energy principles and practices
- installing all of the following pressurised 33 kV and above cable types:
 - oil filled cables
 - gas filled cables
- performing at least two (2) of the following jointing methods:
 - straight through joint
 - straight stop joint
 - trifurcating joint
 - splitter joint
 - trifurcating/transition/stop joint
- performing at least one (1) of the following termination methods:
 - air box terminator
 - gas filled terminator
 - compound filled terminator
- connecting cable conductors using at least two (2) of the following:
 - welded connectors
 - mechanical connectors
 - compression connectors
- using specialist testing devices including all of the following:
 - voltage detectors
 - cable identification equipment and spiking
 - insulation resistance testers
- using/applying all of the following equipment and materials:
 - leak repair and pressure control cable freezing equipment

- pressure control tapes
- fittings and seals
- undertaking preparation for cable freezing, preliminary pressure control and leak repair activities
- using cable terminating materials, including at least two of the following:
 - paper tape
 - polymeric tape
 - heat shrink
 - slip-on moulds
- dealing with unplanned events on at least one (1) occasion.

Knowledge Evidence

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

- legislation, standards, codes, supply authority regulations and/or enterprise requirements pertaining to the maintenance of oil or gas filled specialised underground cables
- safety precautions of working with oil or gas filled specialised underground cables encompassing:
 - safe operation procedures
 - WHS/OHS hazards and precautions
 - dangers of working in confined spaces
 - identification of WHS/OHS hazards, and assessing and controlling risks
 - types, selection, maintenance, storage and uses of personnel protective equipment (PPE), including intrinsically safe equipment for use in confined and hazardous environments
 - permit/authorisation to work systems and isolation procedures
 - safe working policies, procedures and practices when using/operating specialised equipment
 - emergency response and rescue, including first aid
- safe storage and disposal of oil or gas filled specialised underground cables and associated equipment and components; types, function and serviceability of tools and equipment used for the maintenance of oil or gas filled specialised underground cables; and techniques in the safe maintenance of oil or gas filled specialised underground cables
- techniques in the safe testing/inspection of the oil or gas filled specialised underground cables to ensure successful maintenance has occurred.

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 workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated conditions involving realistic and authentic activities that replicate operational 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 other simulations
- relevant and appropriate materials, tools, facilities, equipment and PPE currently used in industry
- applicable documentation, including workplace procedures, relevant industry standards, 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=229bace1-b7bc-4653-9300-dffb13ecfad7>