



Australian Government

Assessment Requirements for UETDRDU016 Lay power 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 legislation, regulations, standards, codes of practice and organisational workplace requirements, including:
 - work health and safety (WHS)/occupational health and safety (OHS)
 - using liquefied petroleum gas (LPG)
 - excavation/trench safety
- identifying hazards, assessing risks, identifying, applying and monitoring control measures
- interpreting and using drawings, diagrams and instructions
- obtaining, inspecting and using relevant personal protective equipment (PPE)
- laying of cables, including:
 - high voltage (HV) polymeric
 - low voltage (LV) polymeric
 - laying and sealing conduits
 - positioning cable laying plant and equipment
 - sealing cable ends
 - bedding and protecting cables
- backfilling open trench in accordance with workplace requirements
- dealing with an unplanned event 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:

- relevant legislation, regulations, standards, codes of practice and organisational workplace requirements, including:
 - WHS/OHS
 - excavation/trench safety
 - use of LPG
- hazard, risk assessment and risk control requirements, including potential hazards

- types and application of PPE
- safe use of plant, tools and equipment
- events constituting an unplanned event or incident
- procedures for responding to an unplanned event or incident
- diagrams/plans
- power cables, including:
 - cables types and sizes
 - cable construction and bending radius
- cable laying, including:
 - excavation/trenching
 - conduit laying and sealing
 - cable alignments and depths
 - plant, tools and equipment for cable laying
 - clearance from other underground cables or buried utilities
 - cable handling
 - cable laying methods
 - cable pulling methods
 - cable tensioning methods
 - cable protection methods
 - cable sealing
 - bedding and backfilling.

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:

- relevant and appropriate materials, tools, facilities, equipment and PPE currently used in industry for laying power cables
- applicable documentation, including workplace requirements, relevant industry standards, 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>