



Australian Government

Assessment Requirements for UETDRDU022 Maintain gas and oil pressure systems for 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 4.0.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria on at least one (1) occasion and include:

- applying relevant legislation, regulations, standards, codes of practice and workplace requirements, including:
 - work health and safety (WHS)/occupational health and safety (OHS)
- obtaining, inspecting and using relevant personal protective equipment (PPE)
- obtaining and signing relevant work permits in accordance with workplace requirements
- identifying hazards, assessing risks, identifying, applying and monitoring control measures
- using the following gas and oil processing and control equipment:
 - gas analyser/detector
 - cable freezing equipment
 - accessory impregnation equipment
 - oil degasification plant
 - manometers
 - flow boards
 - vacuum pumps
 - site bottles
 - gas cylinders
 - liquid nitrogen cylinders
 - pressure/vacuum meters
 - oil evacuation pumps
 - gas and oil piping equipment
 - oil sampling equipment
- using the following gas processing and control equipment:
 - gas control cubicles
 - nitrogen packs
- using the following oil processing and control equipment:
 - oil control cubicles
 - oil degasification units

- oil pressure tanks
- maintaining oil and gas filled underground cables including jointing and terminating
- 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 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 requirements
- hazard, risk assessment and risk control requirements including potential hazards
- types and application of PPE
- safe use of plant, tools and equipment
- application, purpose and types of permits
- events constituting an unplanned event or incident
- procedures for responding to an unplanned event or incident
- oil and gas filled underground cables including:
 - types of cables, including properties of paper insulation, construction, reasons for gas or oil filled cables, characteristics and capabilities of the cable, pressure and volume characteristics of gas and oil, and precautions when handling
 - types and functions of tools and equipment
 - techniques when testing, inspecting, handling, storing and disposing of cables
- gas and oil pressurised systems including:
 - types, characteristics and capabilities of pressurised systems
 - types and functions of specialised tools
 - techniques when testing, inspecting, handling, storing and disposing of pressurised systems
 - techniques in the safe maintenance of pressurised systems
 - techniques in the safe use of tools and equipment
 - techniques in determining route profiles and access locations.

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, equipment and PPE currently used in industry
- applicable documentation, including workplace requirements, 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>