



Australian Government

Assessment Requirements for UETTDRCJ28 Joint and maintain energised low voltage underground polymeric cables

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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.

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
- jointing and maintaining all of the following:
 - low voltage (LV) polymeric cables
- performing at least two (2) of the following cable joints:
 - tee-off joints
 - straight through joints
 - parallel branch joints
 - parallel joints
- installing at least one (1) of the following:
 - transformers
 - LV switchboards
 - pillars/turrets
 - lighting columns
 - ring main units
 - chamber substations
- installing at least one (1) of the following:
 - busbar/termination boxes
 - links/fuses
 - termination boxes
 - control gear
- using at least one (1) of the following:
 - resin filled boxes
 - polymeric tape
 - heat shrink

- 'slip-on' moulds
- pre-stretched polymeric
- using at least two (2) of the following cable conductor connection methods:
 - compression joints/lugs
 - insulation piercing connectors
 - mechanical connectors
- using all of the following:
 - voltage detecting instruments
 - insulation resistance testers
 - cable identification equipment
 - phase rotation instruments
 - specialised live working equipment/tools
- using all of the following:
 - temporary earth bonding/bridging
 - insulating covers/matting
 - insulating tooling/gloves
- 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:

- standards, codes, Commonwealth, state/territory/local government legislation, supply authority regulations and/or enterprise requirements
- safety precautions specific to working on or near energised LV conductors encompassing:
 - safe working practices and procedures
 - identification of hazards, assessment and control of WHS/OHS risks
 - types, selection, maintenance and use of personal protective equipment (PPE)
- work on or near energised LV polymeric cables encompassing:
 - types and function of specialised tools
 - safe working practices when using specialised tools
 - methods of using specialised tools
 - safe procedures for work on panels and in cubicles on or near energised LV polymeric 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 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 for jointing and maintaining energised LV underground polymeric cables
- applicable documentation, including workplace procedures, relevant industry standards, equipment specifications, regulations, codes of practice and operation manuals.

Links

UET Training Package Companion Volume Implementation Guide is found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=229bace1-b7bc-4653-9300-dffb13ecfad7>