



Australian Government

**Assessment Requirements for
UETDRDO005 Maintain overhead
energised low voltage distribution network**

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)
- identifying hazards, assessing risks, identifying, applying and monitoring control measures
- obtaining, inspecting and using relevant personal protective equipment (PPE)
- determining communication method with safety observer
- confirming safety observer is in position in accordance with workplace requirements
- repairing and joining energised overhead low voltage (LV) conductors and cables
- connecting and terminating conductors and cables in accordance with workplace requirements
- completing at least four (4) of the following energised LV tasks:
 - replacing strain cross arm*
 - replacing intermediate cross arm
 - conversion from intermediate to strain, or strain to intermediate
 - replacing pole
 - replacing insulator
 - installing/replacing bridge/tap
 - replacing LV isolators/links/disconnector/s
 - (*must do)
- working on energised LV from at least two (2) of the following:
 - elevated work platform (EWP)
 - ladder
 - portable platform
- using at least four (4) of the following specialised energised LV equipment:
 - insulating mats/sleeves
 - temporary bridging device
 - insulating gloves

- tensioning devices
- pole shrouds
- performing at least two (2) of the following LV tests:
 - polarity and loop impedance
 - phasing
 - neutral identification
- dealing with an unplanned event on at least one (1) occasion
- completing relevant work records, reports and documentation.

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
- 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
- safe work practices and procedures for working on or near energised LV
- insulating gloves, including:
 - types, construction and characteristics
 - application
 - care and maintenance
 - testing
- specialised tools and equipment, including:
 - types, construction and characteristics
 - application
 - care and maintenance
 - testing
- conductor support:
 - selecting conductor support method
 - calculation of loads
 - effects of secondary loadings/forces
- safety observer:
 - role and responsibilities
 - communication methods.

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 maintaining overhead energised LV distribution networks
- 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>