



**Australian Government**

**Assessment Requirements for  
UETDRDO006 Maintain, test and verify  
distribution overhead network**

**Release: 1**

# Assessment Requirements for UETDRDO006 Maintain, test and verify distribution overhead network

## 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 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)
  - safe approach distances
- identifying hazards, assessing risks, identifying, applying and monitoring control measures
- obtaining, inspecting and using relevant plant, tools, equipment and personal protective equipment (PPE)
- determining communication method with safety observer
- confirming safety observer is in position in accordance with workplace requirements
- selecting, inspecting and using specialised tools and equipment
- maintaining energised low voltage (LV) distribution overhead network installations including at least one (1) of the following:
  - strain cross arm replacement
  - intermediate cross arm replacement
  - conversion from intermediate to strain
- testing electrical apparatus, including:
  - insulation resistance
  - earth resistance
  - voltage
- testing network circuit including at least three (3) of the following:
  - phasing\*
  - neutral identification
  - phase rotation
  - loop impedence
  - voltage
  - current
  - earthing systems
  - (\*must do)

- testing consumer/customer connections including at least five (5) of the following:
  - neutral integrity\*
  - polarity\*
  - voltage
  - current
  - phase rotation
  - insulation resistance
  - neutral identification
  - loop impedance
  - earth resistance
  - (\*must do)
- inspecting overhead distribution network installation for compliance
- recording test results in accordance with workplace requirements
- dealing with an unplanned event on at least one (1) occasion
- obtaining and signing on and off relevant work permits in accordance with workplace requirements
- 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
  - safe approach distances
  - network circuit testing
  - electrical apparatus testing
  - customer/consumer connection testing
  - maintenance procedures for energised LV overhead distribution network
  - capture and record test results
  - work records, reports and documentation
- hazard, risk assessment and risk control requirements, including potential hazards
- types and application of PPE
- safe use of plant, tools and specialised equipment
- application, purpose and types of work permits
- events constituting an unplanned event or incident
- procedures for responding to an unplanned event or incident
- 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, testing and verifying distribution overhead network
- 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>