



**Australian Government**

# **Assessment Requirements for UETDREL005 Work safely in the vicinity of live electrical apparatus**

**Release: 2**

# Assessment Requirements for UETDREL005 Work safely in the vicinity of live electrical apparatus

## Modification History

Release 2. Amended Competency Field.

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 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
- determining electricity network voltages, including:
  - low voltage (LV)
  - high voltages (HV):
    - distribution
    - sub-transmission
    - transmission
- identifying electricity network assets
- determining and confirming safe approach distances
- performing work while maintaining the personal safe approach distance
- obtaining and signing on and off relevant work permits in accordance with workplace requirements
- 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
- safe approach distances
- emergency procedures
- hazard, risk assessment and risk control requirements, including potential hazards
- types and application of PPE
- safe use of 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
- safety observer:
  - role and responsibilities
  - communication methods
- basic electrical principles, including:
  - voltage, current and resistance
  - typical effects of current, including physiological effects and induced voltages
  - consequences of short circuits, including arc flash and touch and step potentials
- electricity networks, including:
  - LV
  - HV:
    - distribution
    - sub-transmission
    - transmission
  - earthing systems
  - associated assets
  - layouts and configuration
  - basic protection
  - relationship between an overhead and underground supply system
- terminology related to working safely in the vicinity of live electrical apparatus.

## 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 working safely near live electrical apparatus
- applicable documentation, including workplace procedures, 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>