



**Australian Government**

**Assessment Requirements for  
UETDRTO006 Install and maintain  
transmission conductors**

**Release: 1**

# Assessment Requirements for UETDRTO006 Install and maintain transmission conductors

## 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)
  - safe approach distances
- identifying hazards, assessing risks, identifying, applying and monitoring control measures
- obtaining, inspecting and using relevant personal protective equipment (PPE)
- obtaining and signing on and off relevant work permits in accordance with workplace requirements
- installing and maintaining conductor
- working from at least two (2) of the following:
  - hook ladder\*
  - elevated work platform (EWP)
  - portable platform
  - gondola
  - conductor trolley
  - helicopter
  - elevated work box (EWB)
  - (\*must do)
- using at least five (5) of the following stringing equipment:
  - crimping equipment
  - conductor winches
  - lever hoist
  - conductor trailers/jinker
  - pre-formed splices
  - conductor drum stands
  - draw wire
  - rollers/sheaves

- conductor grip
- conductor stockings
- swivels
- creating an equipotential zone in accordance with workplace requirements
- using testing equipment in accordance with workplace requirements
- using tensioning/sagging equipment 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
  - working earths
- hazard, risk assessment and risk control requirements
- potential hazards, including:
  - induced voltages
  - currents
- types and application of PPE
- conductor types and characteristics
- conductor clearances
- stringing methods
- conductor protective hardware, including:
  - types and selection of common dampers, tools and equipment
  - control of Aeolian vibration
- 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.

## 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 installing and maintaining transmission conductors
- 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>