



Australian Government

**Assessment Requirements for
UETDRTO013 Pre-tension stringing
overhead transmission conductors and
cables**

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 work health and safety (WHS)/occupational health and safety (OHS) requirements, including the use of risk control measures
- applying sustainable energy principles and practices
- performing stringing with at least two (2) of the following conductor types:
 - copper
 - aluminium
 - steel
 - aluminium/steel reinforced
 - high voltage (HV) ABC
 - HV insulated unscreened conductor (HV IUC)
- performing pre-tension stringing of overhead transmission conductors and cables using one (1) of the following types of equipment:
 - elevated work platform (EWP)
 - winches/capstans
 - tension equipment
 - stringing equipment
 - cable trailers
 - cable drum stands
 - ropes
 - rollers
 - sheaves
 - stockings
 - swivels
- 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:

- stringing installation overhead transmission conductors and cables encompassing:
 - standards, codes, legislation, supply authority regulations and/or enterprise requirements applicable to stringing conductors and cables
 - requirements for the use of overhead line construction manuals, system diagrams/plans and drawings, and material lists
 - conductor size, type and route length
 - constructions types and structures for transmission lines
 - types, sizes and characteristics of overhead conductors
 - resources for the stringing of conductors, - personal protective equipment (PPE), plant, tools and equipment
 - techniques in stringing conductors - safe working practices, method of conductor support, consideration for the environment, location/positioning of the conductor/cable, types and application of tools, and equipment and hardware
 - methods of stringing conductors.

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, equipment and PPE currently used in industry
- applicable documentation, including workplace procedures, 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>