



Australian Government

**Assessment Requirements for
UETTDRIS52 Install and maintain poles,
structures and associated hardware**

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.

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
- installing at least one (1) of the following pole type and structures:
 - wood pole/structure
 - steel pole/structure
 - concrete pole/structure
 - composite pole/structure
- installing at least three (3) of the following associated hardware:
 - insulators
 - cross-arm braces
 - cross-arms
 - pole steps
 - shackle straps
 - earth leads
 - traction supports
 - traction registration
 - bonding
- using at least one (1) of the following pole stabilisation methods:
 - baulking
 - stays
 - concreting including foundation
- installing poles and structures using at least one (1) of the following:
 - crane
 - auger/erector
 - 'A' frame

- lifting beam
- pole pikes
- helicopter lift
- 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:

- standards, codes, legislation, supply authority regulations and/or enterprise requirements applicable to installing poles and associated hardware
- requirements for the use of enterprise construction manuals, system diagrams/plans and drawings, including:
 - characteristics and applications of different types of poles and associated hardware
- techniques for installing poles and associated hardware, including:
 - types of installation equipment/tools
 - excavation methods
 - types of footings/foundations
 - types of attachments
 - earthing systems
 - clearances between conductors
 - safe methods of erecting and stabling poles and/or structures and cross-arms
- techniques for maintenance of poles and associated hardware, including:
 - stabilisation techniques for unstable poles
 - methods of strengthen poles
 - maintenance and replacement of high voltage insulators and cross arms
- traffic management, such as:
 - purpose of traffic management and a power worker's responsibilities in accordance with relevant statutory requirements and electricity supply industry (ESI) requirements, procedures used to provide an effective traffic management scheme and the use of a two-way radio
- procedures for purchasing/ordering items, removing/dispatching items, stocktaking and record keeping.

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, facilities, equipment and personal protective equipment (PPE) currently used in industry for installing and maintaining poles, structures and associated hardware
- applicable documentation, including workplace procedures, relevant industry standards, equipment specifications, regulations, codes of practice and operation manuals.

Links

UET Training Package Companion Volume Implementation Guide is found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=229bace1-b7bc-4653-9300-dffb13ecfad7>