



**Australian Government**

**Assessment Requirements for  
UETTDRDS45 Organise and implement  
ESI line and easement surveys**

**Release: 1**

# Assessment Requirements for UETTRDRDS45 Organise and implement ESI line and easement surveys

## 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
- completing six (6) surveys of an overhead network relating to the following project types:
  - multi-pole extensions (distribution and sub-transmission)
  - in-line pole relocations (distribution and sub-transmission)
  - multi-circuit overhead lines (distribution and sub-transmission)
  - underground augmentation project
- completing designs, including:
  - activities that address the correction of errors in the process
  - application of a design control checklist which lists all of the required design activities to be carried out in this process
- 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:

- fundamentals of surveying for the purpose of producing an overhead or underground distribution extension encompassing:
  - Commonwealth, state/territory and local government legislation, standards, codes, supply and aviation authority regulations and/or enterprise requirements applicable to the surveying for an overhead and underground extension
  - techniques in measuring heights and distances
  - techniques in taking bearings angles of deviation using a compass
  - techniques in using a clinometer
  - techniques in recording and storage of data

- requirements for the use of overhead line construction manuals, system diagrams/plans and drawings
- techniques in plotting long spans:
  - measuring stick, clinometer, trundle wheel and tapes
  - correction for sloping ground
  - distance across objects and range rods
- techniques in pegging pole positions:
  - foot path alignments, types of pegs, pegs of other authorities and locating survey pegs
- project management encompassing:
  - Commonwealth, state/territory and local government legislation, standards, codes, supply authority regulations and/or enterprise requirements, including relevant certification and licensing applicable to the duties and responsibilities for management of a project
  - analysis functions of project management to determine achievement of project objectives
  - relationship of stakeholders to the project
  - techniques in development of project plan:
    - project integration, scope, timelines, cost, quality, resources, communication/protocol requirements, risk/uncertainties and procurement and contacting
  - relationship between project processes, project life and project phases
  - planning and control procedures, resource management and risk management
  - techniques, methodologies and tools available to project managers
  - types of internal and external environmental factors that may affect the project.

## 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
- 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>