



Australian Government

Assessment Requirements for UETDRRT25 Install overhead rail traction configurations

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
- using at least three (3) of the following types of system configurations:
 - overlap
 - cross-over
 - turnout crossings
 - train/tram crossing
- operating from at least one (1) of the following types of mobile plant and height equipment:
 - elevated work platform (EWP)
 - road/rail traction height access equipment
 - ladders
- obtaining equipment, tools and personal protective equipment (PPE) required for installing overhead rail traction configurations that includes at least two (2) of the following types of height and stagger measuring equipment:
 - height gauge
 - stagger gauge
 - cant gauge
- isolating systems and circuits that includes at least one (1) of the following types of testing equipment for overhead traction conductor configurations:
 - voltage detector (low voltage (LV) or high voltage (HV))
 - voltmeter
 - insulation resistance tester
 - field intensity tester
- 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:

- traction configuration principles, including:
 - types
 - purpose
 - assemblies
 - sub-assemblies
 - components
- requirements for the use of enterprise construction manuals, system diagrams/plans and drawings, including:
 - types of components
 - types and function of tools and equipment
- installation of traction configurations, including:
 - installation methods
 - measurement of tolerances
 - recording of tolerances.

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 PPE currently used in industry for installing overhead rail traction configurations
- 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>