



Australian Government

**Assessment Requirements for
UETDRRT013 Perform rail traction
switching operations to a given schedule**

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 legislation, regulations, standards, codes of practice and organisational workplace requirements, including:
 - work health and safety (WHS)/occupational health and safety (OHS)
- identifying hazards, assessing risks, identifying, applying and monitoring control measures
- obtaining, inspecting and using relevant personal protective equipment (PPE)
- using and verifying switching scheduling documents
- using appropriate communication with the following:
 - electrical control officer
 - permit holders
 - other network stakeholders
- performing at least one (1) of the following types of rail traction switching operations to a given schedule:
 - high voltage (HV)/low voltage (LV) circuit breakers
 - HV/LV switches
 - HV/LV isolators
 - HV/LV links
 - HV/LV bridges
 - HV/LV fuses
- using at least one (1) of the following types of testing equipment whilst performing overhead traction switching:
 - voltage detectors
 - field intensity meter
 - polarity testers
 - phase rotation indicators
- using all of the following:
 - portable earthing/rail-connecting equipment
 - operating rods/sticks

- completing all of the following stages of electrical permits:
 - writing
 - issuing
 - cancelling or relinquishing
- 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
- hazard, risk assessment and risk control requirements, including potential hazards
- types and application of PPE
- safe use of tools and equipment
- standards, codes, legislation, supply authority regulations and workplace requirements applicable to:
 - switching schedules
 - electrical operating diagrams
 - permits
 - communication procedures
 - PPE required for switching
 - danger tag or lockout procedures
- types of rail traction operation switches
- types of testing equipment for overhead traction switching
- portable earthing/rail-connecting equipment
- operating rods/sticks
- 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 performing rail traction switching operations to a given schedule
- applicable documentation, including workplace requirements, switching schedules, electrical operating diagrams, permits, 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>