



Australian Government

UETDRRT29 Operate rail road traction height access equipment

Release: 1

UETTDRT29 Operate rail road traction height access equipment

Modification History

Release 1. This is the first release of this unit of competency in the UET Transmission, Distribution and Rail Sector Training Package.

Application

This unit involves the skills and knowledge required to operate rail road traction height access equipment in the electricity supply industry (ESI).

It includes operating and using road rail traction height access equipment to install and maintain overhead traction systems. It also includes performing pre-operational inspection, servicing of plant/equipment, undertaking safe working practices on or about the running line/track, isolation of systems and circuits for safe working in accordance with work plans and identifying and implementing traffic management plans.

The application of the skills and knowledge described in this unit may require a licence/registration to practice in the workplace.

Other conditions may apply under state and territory legislative and regulatory licensing requirements which must be confirmed prior to commencing this unit.

Pre-requisite Unit

Common Unit Group

UEENEEE101A Apply Occupational Health and Safety regulations, codes and practices in the workplace

UEENEEE102A Fabricate, assemble and dismantle utilities industry components

UEENEEE104A Solve problems in d.c. circuits

UEENEEE105A Fix and secure electrotechnology equipment

UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications

UEENEEG101A Solve problems in electromagnetic devices and related circuits

UEENEEG102A Solve problems in low voltage a.c. circuits

UETTDREL11 Apply sustainable energy and environmental procedures

UETTDREL12 Operate plant and equipment near live electrical conductors and apparatus

UETTDREL16 Working safely near live electrical apparatus

UETTDNIS52 Install and maintain poles, structures and associated hardware

UETTDNIS54 Install and maintain poles, structures and overhead conductors and cables

UETTDRT21 Install traction overhead wiring systems

UETTDRT22 Maintain traction overhead wiring systems

UETTDRT27 Install overhead traction components and equipment

UETTDRT28 Maintain overhead traction components and equipment

Competency Field

Rail Traction

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1 Prepare to operate road rail traction height access equipment	1.1 Work schedules, construction plans, drawings, workplace procedures and material lists are received and confirmed
	1.2 Job requirements and workplace procedures are identified and communicated with relevant personnel
	1.3 Work health and safety (WHS)/occupational health and safety (OHS), environmental and workplace procedures for the operation of road rail traction height access equipment are obtained and confirmed for the purposes of the work to be performed
	1.4 Work is prioritised and sequenced for completion within acceptable timeframes following consultation with relevant personnel and in accordance with workplace procedures
	1.5 Hazards are identified, WHS/OHS risks assessed and control measures identified, including emergency exists kept clear in accordance with workplace procedures
	1.6 Relevant work permits are obtained to access rail corridor and perform work in accordance with workplace procedures

- 1.7 Plant, equipment, tools and personal protective equipment (PPE) required for work are identified, obtained and confirmed in working order
 - 1.8 Pre-operational inspection servicing of plant/equipment is performed in accordance with workplace procedures
 - 1.9 Worksite is prepared to minimise risk, damage to property, commerce and individuals in accordance with track protection officer and/or network control officer and workplace procedures
 - 1.10 Traffic management plan is confirmed as being applied in accordance with workplace procedures
 - 1.11 Environmental constraints applicable to work are identified and control measures applied
- 2 **Carry out the operation of road rail traction height access equipment**
 - 2.1 WHS/OHS, sustainable energy and environmental principles and practices are monitored and followed to reduce incidents in accordance with workplace procedures
 - 2.2 Requirements for lifting and/or climbing and/or working at heights and the use of power tools/equipment are followed in accordance with workplace procedures
 - 2.3 Operation of road rail traction height access equipment is completed in agreed timeframes, to quality standards and with a minimum of waste in accordance with workplace procedures
 - 2.4 Road rail traction height access equipment is operated in accordance with workplace procedures
 - 2.5 Unplanned events are responded to in accordance with workplace procedures
 - 2.6 Quality checks of work are undertaken in accordance with workplace procedures
- 3 **Complete operation of road rail traction height access equipment**
 - 3.1 Post-operational checking and servicing of plant and equipment are performed for compliance and anomalies reported in accordance with workplace procedures
 - 3.2 Worksite is rehabilitated, cleaned up and made safe in accordance with workplace procedures
 - 3.3 Tools, equipment and surplus resources and materials

are, where appropriate, cleaned, checked and returned to storage in accordance with workplace procedures

- 3.4** Relevant work permits are signed off and the road rail traction height access equipment is returned in accordance with workplace procedures
- 3.5** Work records, reports and/or documentation are completed in accordance with workplace procedures and relevant personnel notified

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UETTDRT29A Operate rail road traction height access equipment.

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>

Assessment Requirements for UETTDRT29 Operate rail road traction height access equipment

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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 all the following:
 - log books
 - work plan
- operating from at least one (1) of the following:
 - elevated work platform (EWP) in the performance of work associated with rail traction
 - road rail platform vehicle in the performance of work associated with rail traction
- 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:

- operator requirements, including:
 - pre-operational checks
 - recording procedures e.g. logbook
- road/rail traction height access equipment operation, including:
 - equipment characteristics, capabilities and limitations
 - prestart requirements
 - operation procedure
 - basic problem-solving equipment faults
 - safe working procedures when mechanical failure occurs
 - use of appropriate communication systems
 - permit to work systems and isolation procedures
- safe working and safety requirements when using road/rail traction height access equipment

- procedures for effective traffic management
- electrical safety requirements prior to operating equipment under live overhead equipment and adjacent to or in the vicinity of live overhead equipment
- emergency procedures in the event of an electrical incident/accident
- emergency procedures in the event of a safe working/road traffic incident/accident
- WHS/OHS and Environment Protection Authority (EPA) requirements in the context of Commonwealth/state/territory legislative requirements
- Procedures for rescuing a person from height access equipment, including:
 - methods for rescuing a person
 - methods for rescuing a person from a disabled height access equipment
 - methods for rescuing an incapacitated person from a height access equipment
 - methods for rescuing a person in contact with live overhead equipment.

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 currently used in industry for operating rail road traction height access equipment
- applicable documentation including workplace procedures, relevant industry standards, equipment specifications, regulations, codes of practice and operation manuals.

Links

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