



Australian Government

UETDRRT012 Operate rail road height access plant near rail traction systems

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.

Application

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

It includes operating and using road rail height access plant to install and maintain overhead traction systems. It also includes performing pre-operational inspection, undertaking safe working practices on or about the running line/track, road/rail management plans, relevant permits and post-operational inspection.

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

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

Pre-requisite Unit

UEECD0007 Apply work health and safety regulations, codes and practices in the workplace

UETDREL001 Apply environmental requirements

UETDREL004 Operate plant and equipment in the vicinity of live electrical apparatus

UETDREL005 Work safely in the vicinity of live electrical apparatus

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 height access plant

- 1.1** Legislation, regulations, standards, codes of practice and organisational workplace requirements for the work to be performed are referred to and confirmed
- 1.2** Hazards are identified, risks assessed and control measures identified and applied
- 1.3** Plant, tools, equipment and personal protective equipment (PPE) required for work are determined, obtained and confirmed in working order
- 1.4** Work permits are organised in accordance with workplace requirements
- 1.5** Pre-operational inspections of plant are performed in accordance with workplace requirements
- 1.6** Worksite, road or rail management plan is prepared in accordance with workplace requirements
- 1.7** Environmental constraints applicable to the work are identified and control measures applied

2 Operate road rail height access plant

- 2.1** Legislation, regulations, standards, codes of practice and organisational workplace requirements for the work to be performed are applied and monitored
- 2.2** Lifting, working at heights and the use of plant, tools, equipment and PPE are carried out in accordance with workplace requirements
- 2.3** Hazard control measures are monitored in accordance with workplace requirements
- 2.4** Work permits are instructed and issued and where appropriate signed in accordance with workplace requirements
- 2.5** Worksite, road or rail management plan is established in accordance with workplace requirements
- 2.6** Road rail height access plant is operated in accordance with workplace requirements
- 2.7** Incidents or unplanned events are responded to in accordance with workplace requirements

3 Conclude operation of road rail height access plant

- 3.1** Post-operational inspections of plant are performed, and non-compliances are reported in accordance with workplace requirements
- 3.2** Incidents or unplanned events are reported in accordance with workplace requirements
- 3.3** Rail road height access plant is cleaned and secured, and packed up for return to storage
- 3.4** Work permits are completed in accordance with workplace procedures
- 3.5** Work records, reports and documentation are completed in accordance with workplace requirements

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 UET Transmission, Distribution and Rail Sector Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to UETTDRT29 Operate rail road traction height access equipment.

Links

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

Assessment Requirements for UETDRRT012 Operate rail road height access plant near rail traction systems

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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 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)
- conducting pre-operational inspections
- conducting post-operational inspections
- operating 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 an unplanned event on at least one (1) occasion
- completing relevant work records, logbooks, 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, organisational and workplace requirements, including:
 - WHS/OHS
 - safe approach distances
 - environmental considerations
- hazard, risk assessment and risk control requirements, including potential hazards
- types and application of PPE
- application, purpose and types of permits
- operator requirements, including:
 - pre-operational inspections

- post-operational inspections
- logbook
- road/rail traction height access plant and associated equipment, including:
 - 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
 - isolation procedures
 - operating equipment under live overhead equipment and adjacent to or in the vicinity of live overhead equipment
- procedures for effective road and rail management plans
- emergency procedures in the event of an electrical incident/accident
- emergency procedures in the event of a safe working/road traffic incident/accident
- procedures for rescuing a person from height access plant, including:
 - methods for rescuing a person
 - methods for rescuing a person from a disabled height access plant
 - methods for rescuing an incapacitated person from height access plant
 - methods for rescuing a person in contact with live overhead equipment
- 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 tools, facilities, road rail height access plant, equipment and PPE currently used in industry
- applicable documentation, including workplace requirements, relevant industry standards, equipment specifications, regulations, codes of practice and operation manuals.

Links

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