



Australian Government

UETDRRT015 Maintain energised rail traction networks

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 4.0.

Application

This unit includes the skills and knowledge required to maintain energised rail traction networks in the electricity supply industry (ESI).

It includes knowledge of traction network components, insulated tools and other equipment.

It also includes procedures for maintaining components, removal of trapped foreign objects, and adjustment and measurement of contact or trolley wires.

Note: Entry into this unit is for users who hold a Certificate III in ESI - Rail Traction.

This unit can be completed concurrently with the qualification listed above, provided all requirements for completion of the Certificate III qualification are met prior to accrediting this unit.

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

Refer to Application.

Competency Field

Rail Traction

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential Performance criteria describe the performance needed to

outcomes.

demonstrate achievement of the element.

1 Prepare to maintain energised rail traction networks

- 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** Required design standards and maintenance documents are identified and obtained
- 1.3** Plant, tools, equipment and personal protective equipment (PPE) required for work are determined, obtained and confirmed in working order
- 1.4** Hazards are identified, risks assessed, and control measures identified and applied
- 1.5** Work is prioritised and sequenced for completion in accordance with workplace requirements
- 1.6** Work permits are organised in accordance with workplace requirements
- 1.7** Worksite, road or rail management plan is prepared in accordance with workplace requirements

2 Maintain energised rail traction networks

- 2.1** Legislation, regulations, standards, codes of practice and organisational workplace requirements for the work to be performed are applied and monitored
- 2.2** Plant, tools, equipment and PPE are used in accordance with workplace requirements
- 2.3** Hazard control measures are monitored in accordance with workplace requirements
- 2.4** Incidents or unplanned events are responded to in accordance with workplace requirements
- 2.5** Work is carried out on energised rail traction networks in accordance with workplace requirements
- 2.6** Quality checks of work are undertaken in accordance with workplace requirements and to ensure fit for service

3 Complete work and documentation

- 3.1** Completed work is checked against maintenance documents for compliance in accordance with workplace requirements
- 3.2** Worksite is rehabilitated, cleaned and made safe in

accordance with workplace requirements

- 3.3 Plant, tools and equipment are cleaned, checked and returned to storage in accordance with workplace requirements
- 3.4 Work permits are completed, and overhead traction equipment or components are confirmed fit for service in accordance with workplace requirements
- 3.5 Incidents or unplanned events are reported in accordance with workplace requirements
- 3.6 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 is a newly created unit.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=229bace1-b7bc-4653-9300-dffb13ecfad7>