



Australian Government

UEERS0035 Maintain wayside asset protection equipment

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology Training Package.

Application

This unit involves the skills and knowledge required to maintain wayside asset protection equipment.

It includes safe working, regulatory requirements and following work procedures, installing, maintaining, fault finding and testing asset protection equipment.

Persons achieving competence in this unit will need to fulfil the applicable state/territory legislated rail safety requirements and to comply with relevant codes of practice, rules and/or guidelines.

No other licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

UEERS0020 Apply rail signalling principles

Competency Field

Rail Signalling

Unit Sector

Electrotechnology

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 maintain asset protection equipment

1.1 Work health and safety (WHS)/occupational health and safety (OHS) requirements and workplace procedures for a given work area are identified and applied

- 1.2 Hazards are identified, WHS/OHS risks are assessed, and control measures and workplace procedures implemented in preparation for work
 - 1.3 Scope of maintenance is determined from maintenance schedules, job specifications, drawings and regulatory requirements
 - 1.4 Appropriate rail safe working person/s is consulted to confirm access times and methods, and ensure work is coordinated effectively with others to minimise rail traffic disruption
 - 1.5 Scope of the work and location of asset protection equipment is determined by site inspection and from job instructions, specifications and /or diagrams
 - 1.6 Materials needed for the maintenance work are obtained in accordance with workplace procedures and checked against job specifications
 - 1.7 Tools, equipment and testing devices needed for maintenance work are obtained in accordance with workplace procedures and checked for correct operation and safety
 - 1.8 Authorisation to take temporarily out of service or disable systems is obtained in accordance with workplace procedures
- 2 Maintain asset protection equipment**
- 2.1 WHS/OHS risk control measures and workplace procedures for carrying out work are followed
 - 2.2 On-track safe working requirements are identified and applied in accordance with workplace procedures and safety management system
 - 2.3 Asset protection equipment is maintained to comply with technical standards, job specifications and requirements
 - 2.4 Wiring and cabling is inspected to comply with technical standards, job specifications and requirements
 - 2.5 Tests are conducted to ensure equipment complies with specification and functions as intended
 - 2.6 Work is carried out efficiently, without waste of materials, damage to apparatus, the surrounding environment or services using sustainable energy

- practices
- 2.7 Methods for dealing with unplanned situations are determined on the basis of safety and specified work outcomes
 - 2.8 Faulty, worn, damaged or insecure components are replaced, repaired or secured in accordance with manufacturer specifications and workplace requirements
- 3 Complete wayside asset protection equipment maintenance**
- 3.1 WHS/OHS work completion risk control measures and workplace procedures are followed
 - 3.2 Confirmation that system is functional and that no alarms are present or indicated
 - 3.3 On-track safe working requirements are removed in accordance with workplace procedures and safety management system
 - 3.4 Equipment is taken out of service/brought back into use, as required, and documentation is completed in accordance with workplace procedures
 - 3.5 Work records and documentation are completed to ensure accurate maintenance records are maintained
 - 3.6 Worksite/equipment is reinstated in accordance with organisation requirements and faulty components are tagged, recorded and dispatched for repair/replacement

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 UEE Electrotechnology Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This is a new unit

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>