



Australian Government

UEERS0030 Maintain power-operated point actuating devices

Release: 1

UEERS0030 Maintain power-operated point actuating devices

Modification History

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

This unit replaces and is equivalent to UEERS0009 Install and maintain power operated point actuating devices.

Modifications this release include:

- Title changed.
- Application updated to reflect title change.
- Element titles and performance criteria amended to reflect title change.
- Performance criteria 1.7, 2.2, 3.2 and 3.3 added.
- Performance and Knowledge Evidence updated for clarity.

Application

This unit involves the skills and knowledge required to maintain power-operated point actuating devices in rail networks.

It includes preparing and maintaining power-operated point actuating devices. It also includes completing maintenance of power-operated point actuating device, performing operational tests and reporting requirements.

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

UEERS0033 Maintain train detection equipment

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 power-operated point actuating device

- 1.1** Work health and safety (WHS)/Occupational health and safety (OHS) requirements and workplace procedures for a given work area are identified, obtained and clarified
- 1.2** Hazards are identified, WHS/OHS risks are assessed, control measures and workplace procedures are implemented in preparation for work
- 1.3** Scope of the maintenance is determined from maintenance schedules, job specifications, drawings and regulatory requirements
- 1.4** Appropriate rail safe working personnel are consulted to ensure work is coordinated effectively with others involved on the worksite
- 1.5** Materials needed for the maintenance are obtained in accordance with workplace procedures and checked against job specifications
- 1.6** Tools, equipment and testing devices needed for maintenance work are obtained in accordance with workplace procedures and checked for correct operation and safety
- 1.7** Authorisation to take temporarily out of service or disable systems is obtained in accordance with workplace procedures

2 Maintain power-operated point actuating device

- 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** Maintenance, cleaning, brushing and lubricating work are carried out on point actuating devices in accordance with technical and operational specifications

- 2.4 Adjustments to point actuating devices are made to ensure correct operation, and perway fastenings and timbers are inspected in accordance with operational specifications
 - 2.5 Position and mounting of point actuating devices are checked in accordance with site layout and operational specifications
 - 2.6 Maintenance is performed efficiently, without waste of materials, damage to apparatus, the surrounding environment or services using sustainable energy practices
 - 2.7 Function of equipment is determined from technical data, maintenance handbooks, workplace and equipment operating procedures
 - 2.8 Faulty, worn, damaged or insecure components are replaced, repaired or secured in accordance with technical and manufacturer specifications to ensure operational effectiveness
 - 2.9 Equipment is inspected and tested in accordance with workplace testing procedures to ensure operational and technical requirements are achieved
 - 2.10 Methods for dealing with unplanned situations are determined on the basis of safety and specified work outcomes
- 3 **Complete power-operated point actuating device 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 Documentation is completed to provide an accurate maintenance record and Network Control Officer informed of work status details
 - 3.5 Reusable, faulty or worn components are tagged and despatched for repair to maintain adequate spares

- 3.6 Faulty perway conditions/components are documented to provide details for corrective/follow-up action
- 3.7 Point actuating devices are temporarily taken out of service, reinstated back into service and certified in accordance with organisation requirements and workplace procedures
- 3.8 Maintenance work activities are recorded in accordance with organisation requirements to provide accurate records and produce relevant reports

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 unit replaces and is equivalent to UEERS0009 Install and maintain power operated point actuating devices.

Links

Companion Volume Implementation Guides are found in VETNet -

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