



Australian Government

TLIB3053 Maintain mechanical signalling locking and interlocking devices

Release: 1

TLIB3053 Maintain mechanical signalling locking and interlocking devices

Modification History

Release 1. This is the first release of this unit of competency in the TLI Transport and Logistics Training Package.

Application

This unit involves the skills and knowledge required to maintain mechanical signalling locking and interlocking devices in accordance with safeworking and regulatory requirements, and workplace procedures.

It includes diagnosing and correcting faults in the devices, and testing and adjusting the repaired equipment to meet workplace and manufacturer standards.

People 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 and/or guidelines.

Work is performed under minimal supervision, generally within a team environment. It involves the application of routine operational principles and procedures when maintaining mechanical signalling locking and interlocking devices, as part of workplace activities across a variety of operational contexts within the Australian rail system.

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

Pre-requisite Unit

Not applicable.

Competency Field

B – Equipment Checking and Maintenance

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 Diagnose locking/interlocking equipment faults

- 1.1 Out-of-specification or non-operating mechanical locking and interlocking signalling equipment /components are correctly identified through operational testing
- 1.2 Viability of adjustments/replacements/repairs to equipment/components is correctly evaluated to ensure cost effective operations
- 1.3 Work is planned to ensure minimum disruption to train operations and safe repair activities
- 1.4 Support/assistance with diagnosis or repair operations is obtained through liaison with appropriate personnel

2 Correct equipment faults

- 2.1 Mechanical locking and interlocking signalling equipment and component cleaning/lubrication and adjustment is performed to specifications to ensure required level of operations
- 2.2 Equipment and components are replaced or repaired in accordance with operational specifications to ensure required level of operations
- 2.3 Viability of repairs to replaced equipment/components is evaluated and equipment is tagged for repair or disposed of in accordance with workplace requirements
- 2.4 Liaison with or support to other personnel is maintained to ensure equipment is maintained within specification

3 Test and adjust locking/interlocking equipment

- 3.1 Locking/interlocking equipment functions are tested to ensure operational compliance with required standards
- 3.2 Final cleaning, lubricating and adjustments to equipment are carried out to ensure operational compliance
- 3.3 Equipment is locked/secured as specified to ensure safety and protection from elements or people
- 3.4 Records of repair activities are correctly completed and forwarded to appropriate personnel for use in identifying future maintenance 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 can be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to TLIB3053A Maintain mechanical signalling locking and interlocking devices.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851>