



Australian Government

TLIB3120 Test mechanical signalling equipment and isolate faults

Release: 1

TLIB3120 Test mechanical signalling equipment and isolate faults

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 test mechanical signalling equipment and isolate faults in accordance with safeworking and regulatory requirements, and workplace procedures.

It includes undertaking preparation tasks, conducting testing and/or isolating equipment, checking equipment operation, and finalising the testing and/or isolation of equipment, in accordance with workplace procedures and relevant regulatory requirements.

People achieving competence in this unit will need to fulfil rail industry standards and/or guidelines relevant to testing mechanical signalling equipment and isolating faults.

Work is performed under minimal supervision, generally within a team environment. It involves the application of regulatory requirements and workplace procedures when testing and isolating faults in mechanical signalling equipment.

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

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1 Prepare to test and/or isolate equipment**
 - 1.1 Testing is appropriately sequenced in accordance with job schedule
 - 1.2 Hazards are identified, risks are assessed and control measures are implemented
 - 1.3 Appropriate personnel are consulted to ensure work is coordinated effectively with others involved on the worksite
 - 1.4 Location of equipment to be tested/isolated is determined from job specifications and diagrams
 - 1.5 Tools, equipment and testing devices needed to test and/or isolate are obtained in accordance with established procedures and are checked for correct operation and safety
- 2 Test and/or isolate equipment**
 - 2.1 Initial visual check of operational equipment is performed to identify equipment faults
 - 2.2 Equipment is isolated in accordance with relevant operational rules and procedures
 - 2.3 Established methods for dealing with unexpected situations are discussed with appropriate personnel and documented
 - 2.4 Unexpected situations are dealt with safely and with the approval of an authorised person
- 3 Check equipment operation**
 - 3.1 Approval to conduct a check of equipment operation is obtained in accordance with relevant operational rules and procedures
 - 3.2 Authorised equipment check is carried out to identify equipment faults in accordance with operating procedures
 - 3.3 Operational effectiveness of equipment is confirmed through observation during train movements as required
 - 3.4 Equipment faults are correctly identified and recorded, and appropriate corrective action is taken
 - 3.5 Service equipment is locked and secured to prevent unauthorised access
 - 3.6 Work completion is documented and appropriate personnel are notified in accordance with established procedures
- 4 Finalise testing and/or isolation of**
 - 4.1 Test results are documented in accordance with organisation requirements

equipment

- 4.2 Faulty or replaced equipment is tagged and reported to the appropriate personnel for rectification
- 4.3 Fully operational equipment is handed over to approved personnel ensuring that hand over procedures are accurately followed and final documentation is completed

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 TLIB3120A Test mechanical signalling equipment and isolate faults.

Links

Companion Volume implementation guides are found in VETNet -

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