



Australian Government

TLIB2111 Assist with testing train braking system on electric passenger train

Release: 2

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Modification History

Release 2. This is the second release of this unit of competency in the TLI Transport and Logistics Training Package:

- Minor changes in Assessment Conditions.

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 assist with testing the train braking system on electric passenger trains in accordance with workplace procedures and the requirements of relevant safeworking regulations and codes of practice.

It includes preparing for train brake inspection and testing, inspecting and testing train brake operation, dealing with identified faults, and reporting and/or recording brake test results in accordance with workplace requirements.

People achieving competence in this unit will need to fulfil the applicable state/territory legislated rail safety and safeworking 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 operational principles, regulations, safeworking codes, protocols and procedures when testing a train braking system, as part of workplace activities across a variety of operational contexts within the Australian rail industry.

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

Rail sector.

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 for train brake inspection and testing

1.1 Work health and safety (WHS)/occupational health and safety (OHS) legislation, codes of practice, policies and procedures are identified and followed

1.2 Isolation or securing of train is confirmed in accordance with workplace procedures to make the work area safe for the inspection and test

1.3 Hazards are identified, risks are assessed and risk control measures are implemented

1.4 Readiness of brake system for inspection and testing is confirmed

2 Test train brake operation

2.1 Brake tests are conducted to ensure compliance with required rail industry standards

2.2 Modified brake tests are conducted in accordance with workplace procedures to meet required rail industry standards, as required

2.3 Continuity tests are conducted in accordance with workplace procedures to ensure train braking system meets functional specifications

2.4 Corrective action is taken when faults are identified to ensure operational safety

2.5 Faults or defects found during brake tests are reported and/or recorded in accordance with workplace procedures

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.

Unit Mapping Information

This unit replaces and is equivalent to TLIB2111A Assist with testing train braking system on electric passenger train.

Links

Companion Volume implementation guides are found in VETNet -

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