



**Australian Government**

# **TLIB3108 Test operation of electric passenger train braking system**

**Release: 1**

# **TLIB3108 Test operation of electric passenger train braking system**

## **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 the operation of an electric train braking system in accordance with workplace procedures and the requirements of relevant safeworking regulations and codes of practice.

It includes preparing for train brake testing, testing train brake operation, dealing with identified faults, and 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 requirements and to comply with relevant codes of practice and/or guidelines.

Work is generally performed without supervision and within a team environment.

It involves the application of operational principles, regulations, safeworking codes, protocols and procedures when testing electric train braking systems, 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**

Not applicable.

## **Elements and Performance Criteria**

| <b>ELEMENTS</b> | <b>PERFORMANCE CRITERIA</b> |
|-----------------|-----------------------------|
|-----------------|-----------------------------|

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

**1 Prepare for train brake 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 Hazards are identified, risks are assessed and risk control measures are implemented
- 1.3 Train is isolated or secured in accordance with workplace procedures to make the work area safe for testing
- 1.4 Brake system is checked to ensure it is ready for testing

**2 Test train brake operation**

- 2.1 Brake tests are conducted to ensure compliance to required rail industry standards
- 2.2 Modified brake tests are conducted in accordance with workplace procedures to meet required rail industry standard, as required
- 2.3 Continuity tests are conducted in accordance with workplace procedures to ensure train braking system meets functional specifications
- 2.4 Brakes are applied and released on train and their function is confirmed
- 2.5 Faults are identified and appropriate corrective action is taken to ensure operational safety

**3 Deal with identified faults**

- 3.1 Identified faults are reported, rectified or isolated in accordance with workplace procedures
- 3.2 Confirmation/verification to continue is determined in accordance with workplace procedures
- 3.3 Detachment/uncoupling arrangements are made in accordance with operational requirements, as required
- 3.4 Faults or defects found during brake tests are recorded and/or reported 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.

Non-essential conditions can be found in the Companion Volume Implementation Guide.

## Unit Mapping Information

This unit replaces and is equivalent to TLIB3108A Test operation of electric passenger train braking system.

## Links

Companion Volume implementation guides are found in VETNet -

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