



**Australian Government**

# **TLIB0020 Prepare electric passenger train**

**Release: 1**

# TLIB0020 Prepare electric passenger train

## 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 check and assess the operational capabilities of equipment prior to an electric passenger train entering service.

It includes inspecting equipment and work area, checking the operational capability of equipment and safety devices, identifying and assessing the impact of faults on safety and work requirements, and recording and reporting the results of inspection and testing in accordance with workplace procedures.

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.

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

Elements describe the essential outcomes.

### PERFORMANCE CRITERIA

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

- 1 Carry out preparation checks**
  - 1.1 Location of train is determined in accordance with allocation procedures
  - 1.2 Organisational safety controls are identified and acted on
  - 1.3 Relevant work health and safety (WHS)/occupational health safety (OHS) requirements are followed to prevent injury and damage
  
- 2 Inspect, start and test equipment**
  - 2.1 Prior to start up, relevant equipment is inspected and checked in accordance with workplace pre-operational functional safety check procedures and operational instructions
  - 2.2 Train is started up in accordance with operational instructions
  - 2.3 Following start up, relevant equipment and components are tested in accordance with workplace procedures
  - 2.4 Safety warning systems are checked for operational effectiveness
  - 2.5 Control systems are checked in accordance with workplace policies and procedures
  - 2.6 Train braking systems are applied and released to ensure they are operating correctly
  - 2.7 Equipment outside operational specifications or faults are identified and appropriate actions taken to ensure operational safety
  
- 3 Carry out visual inspection and check condition of train**
  - 3.1 Visual inspection is conducted in accordance with workplace procedures to identify any defects that would prevent safe transit
  - 3.2 Communication is maintained with relevant personnel to ensure safe, efficient and complete inspection
  - 3.3 Condition of train consist is visually inspected and faults are rectified and/or reported
  - 3.4 Conditions requiring urgent actions are noted and appropriate actions are taken to initiate immediate response
  - 3.5 Passenger facilities are checked to ensure they are clean
  - 3.6 Passenger operated equipment is visually checked and tested

to ensure operational readiness

#### **4 Record and report faults and/or defects**

- 4.1** Faults and/or defects are accurately reported in accordance with organisational requirements
- 4.2** Accurate records are kept in accordance with organisational requirements
- 4.3** Potential defects that may affect future safety of equipment are reported

## **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 TLIB3105 Prepare 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>