



Australian Government

TLIB0019 Inspect, prepare and start an electric tram

Release: 1

TLIB0019 Inspect, prepare and start an electric tram

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 inspect, prepare and start an electric tram in accordance with relevant regulations and workplace practices.

It includes checking and preparing an electric tram, visually examining an electric tram, conducting on-tram checks, and starting and positioning an electric tram for service 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, as well as relevant road rules and tramway regulatory requirements.

Work is performed under minimal supervision, generally 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 Plan and prepare electric tram**
 - 1.1 Planned roster is checked and interpreted for day's tram driving activities
 - 1.2 Allocation of electric trams is checked in conjunction with network control office or planned roster
 - 1.3 Electric tram inspection and preparation duties are identified and interpreted
 - 1.4 Tram schedules, notices and other operational and regulatory documentation are accessed and interpreted in accordance with workplace procedures
 - 1.5 Communications equipment required for the day's operations is obtained and checked to ensure it is functional
 - 1.6 Hazards are identified, risks are assessed and risk control measures are implemented
 - 1.7 Required personal protective equipment (PPE) is obtained for use prior to tram driving activities
 - 1.8 Electric tram to be inspected and prepared is located in the depot
 - 1.9 Depot safety and electrical equipment awareness procedures are followed while locating tram in the depot
- 2 Visually inspect and prepare electric tram**
 - 2.1 Features, functions and location of electric tram and associated equipment are identified
 - 2.2 Logbook is checked to confirm serviceability of unit
 - 2.3 Pre-start internal and external safety and maintenance checks are conducted in accordance with work health and safety (WHS)/occupational health and safety (OHS) and other workplace policies and procedures
 - 2.4 Electric tram and equipment are checked visually, and defects and deficiencies are recorded and rectified, isolated, tagged or reported, as required, in accordance with workplace procedures and regulatory requirements
 - 2.5 Availability of traction power and sand are checked against journey requirements, as required, in accordance with workplace procedures and regulatory requirements
 - 2.6 Relevant WHS/OHS and regulatory requirements are followed
 - 2.7 Documentation for electric tram inspection and preparation results

is completed in accordance with workplace procedures

3 Conduct on-tram checks

- 3.1** Electric tram is checked in correct sequence and all lights are confirmed as operating to optimum requirements
- 3.2** Pre-departure mechanical checks are performed and correct functioning of all equipment confirmed in accordance with workplace procedures and manufacturer operating requirements
- 3.3** Supervisory controls and indicators are checked to ensure they are functioning correctly and appropriate actions taken if they are not working correctly
- 3.4** Communications equipment is checked to ensure it is functioning correctly and appropriate actions are taken if not working correctly
- 3.5** Seat, windows, blinds and other personal in-cab equipment are checked and adjusted for correct functionality, safety and comfort
- 3.6** Ancillary equipment is checked and is confirmed to be operational in accordance with operating requirements
- 3.7** Fire extinguisher, point bars and any other required tools are checked to confirm they are in position

4 Start electric tram

- 4.1** Electric tram is started in accordance with instructions and any operating faults are recognised, diagnosed, reported and recorded in appropriate records for follow-up
- 4.2** Where critical or serious equipment faults cannot be readily rectified, electric tram is shut down and reported for rectification in accordance with procedures
- 4.3** Instruments and gauges are observed and readings interpreted to confirm effective operation
- 4.4** Actions are taken to determine cause of identified problem in instruments and gauges, and situation is rectified or reported, as required, in accordance with workplace procedures
- 4.5** Sand operation is checked after starting and appropriate actions taken, as required, if not effectively functioning
- 4.6** Pre-departure checks are carried out to ensure electric tram is braking and powering effectively and is safe to move

5 Position electric tram

- 5.1** Authority to move and position electric tram is obtained and relevant personnel are advised of intention and procedures
- 5.2** Electric tram is positioned in accordance with operational

requirements and directions

- 5.3 Tram performance is monitored during operation to confirm effective operation or to identify defects
- 5.4 Equipment defects are identified, rectified and recorded or relevant personnel are advised for assistance
- 5.5 Relevant WHS/OHS and regulatory requirements are followed to ensure safety and to prevent injury and damage
- 5.6 Relevant personnel are advised electric tram is secured in required position and is ready for service
- 5.7 Required documentation concerning inspecting, preparing and starting up electric tram is completed and processed 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 TLIB3078 Inspect, prepare and start an electrical tram.

Links

Companion Volume Implementation Guides are found in VETNet -

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