



Australian Government

TLIB3078 Inspect, prepare and start an electrical tram

Release: 1

TLIB3078 Inspect, prepare and start an electrical 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

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 Plan and prepare electric tram**
 - 1.1 Roster is checked and interpreted for day's tram driving activities
 - 1.2 Allocation of electric trams is checked in conjunction with tram controllers and roster clerk
 - 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 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 basic 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 correctly performed and correct functioning of all equipment is 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 action is taken if they are not working correctly
 - 3.4 Communications equipment is checked to ensure it is functioning correctly and appropriate action is taken if it is 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 are interpreted to confirm effective operation
 - 4.4 Action is taken to determine cause of identified problem in instruments and gauges, and situation is rectified or reported, as required
 - 4.5 Sand operation is checked after starting and appropriate action is 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.

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

Unit Mapping Information

This unit replaces and is equivalent to TLIB3078A Inspect, prepare and start an electric tram.

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851>