



Australian Government

TLIB2104 Identify, diagnose and rectify faults on electric passenger trains

Release: 3

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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:

- PC 3.2 outcome amalgamated to PC 3.1
- Minor statement 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 identify, diagnose and rectify faults on electric passenger trains in accordance with safeworking and regulatory requirements, and workplace procedures.

It includes identifying maintenance and/or repair requirements, conducting minor maintenance and routine repairs, and checking and reporting minor repairs and/or maintenance in accordance with workplace procedures.

Work is generally performed without supervision and within a team environment. It involves the application of routine fault identification, diagnosis and rectification procedures when maintaining the safety and operation of equipment on electric passenger trains operating within Australian rail systems.

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.

1 Diagnose faults

2 Carry out fault rectification, repair or replacement

3 Check and report rectification, repair or replacement

PERFORMANCE CRITERIA

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

- 1.1 Electric passenger train and equipment are monitored for potential faults
- 1.2 Hazards are identified, risks are assessed and risk control measures are implemented
- 1.3 Faulty or damaged components or equipment are identified and assessed
- 1.4 Equipment and/or tools required to rectify faults are identified and obtained
- 1.5 Work area and equipment are prepared and made safe to repair faults or to replace components
- 2.1 Rectification, repair or component exchange are carried out in accordance with workplace procedures
- 2.2 Required equipment, tools and materials are operated, applied and handled to conform to work health and safety (WHS)/occupational health and safety (OHS) requirements and manufacturer specifications to prevent injury and damage
- 2.3 Activities are carried out in accordance with WHS/OHS and workplace procedures
- 3.1 Rectification, repair or component exchange activities are checked for compliance with safety requirements and workplace procedures and has been restored to operational standards
- 3.2 Rectification, repair, component exchange activities are reported and accurately documented in appropriate records or logbooks

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 TLIB2104A Identify, diagnose and rectify faults on electric passenger trains.

Links

Companion Volume Implementation Guides are found in VETNet -

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