



Australian Government

TLI29921 Certificate II in Rolling Stock Maintenance

Release 2

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Modification History

Release 2. This is the second release of this qualification in the TLI Transport and Logistics Training Package:

- Imported unit updated.

Release 1. This is the first release of this qualification in the TLI Transport and Logistics Training Package.

Qualification Description

This is a general qualification for a person engaged in rolling stock maintenance in the rail environment who perform tasks involving a defined range of skilled applications in a wide variety of contexts. It may involve application of some discretion and judgement in selecting equipment, services or contingency measures.

Job roles

Job roles and titles vary across different sectors. Possible job titles relevant to this qualification include:

- **Rail rolling stock maintenance – electrical**
 - assistant to a tradesperson
 - maintenance worker
 - trades assistant
- **Rail rolling stock maintenance – mechanical**
 - assistant to a tradesperson
 - engineering support person
 - maintenance worker
 - maintenance/civil worker
 - trades assistant
- **Rail rolling stock maintenance – technology**

Please note: RTO to insert on the testamur, the technical elective unit group selected from the group choice below.

People achieving competence in this qualification will need to fulfil the applicable state/territory legislated requirements and to comply with relevant rail safety and system of safeworking.

Entry Requirements

There are no entry requirements for this qualification.

Packaging Rules

A total of **21 units of competency** comprising:

- **13 core units** listed below, plus
- **4 units** within a technical elective unit group (job roles), from Group A, Group B or Group C listed below, plus
- **4 general elective units** from the general elective units, Group D listed below.

Up to **2 of the general elective units** may be selected from any relevant nationally endorsed Training Package. The general elective units must contribute to the vocational outcomes of the qualification.

Where imported units are selected, care must be taken to ensure that all prerequisite units specified are complied with.

Core units

MEM12023	Perform engineering measurements <ul style="list-style-type: none">└ MEM13015 Work safely and effectively in manufacturing and engineering└ MEM16006 Organise and communicate information
MEM12024	Perform computations <ul style="list-style-type: none">└ MEM13015 Work safely and effectively in manufacturing and engineering└ MEM16006 Organise and communicate information
MEM13015	Work safely and effectively in manufacturing and engineering
MEM16006	Organise and communicate information <ul style="list-style-type: none">└ MEM13015 Work safely and effectively in manufacturing and engineering
TLIB0012	Maintain and use hand tools
TLIB1093	Clean equipment and restore worksite
TLIB2001	Check and assess operational capabilities of equipment
TLIB3118	Apply awareness of railway fundamentals
TLIB3123	Apply awareness of motive power unit fundamentals
TLID0020	Shift materials safely using manual handling methods
TLIE2007	Use communications systems
TLIF0098	Apply personal and equipment lockouts for rolling stock
TLIJ0003	Apply quality systems

Technical elective units

Select all units from one of the following technical elective groups:

- Group A: Electrical
- Group B: Mechanical
- Group C: Technology

Group A: Electrical

- TLIB0021 Read and interpret maintenance plans and job specifications
- TLIB2022 Diagnose and rectify minor faults
- UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
- UEECD0020 Fix and secure electrotechnology equipment
└ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace

Group B: Mechanical

- MEM16008 Interact with computing technology
└ MEM13015 Work safely and effectively in manufacturing and engineering
└ MEM16006 Organise and communicate information
- MEM18002 Use power tools/hand held operations
└ MEM11011 Undertake manual handling
└ MEM13015 Work safely and effectively in manufacturing and engineering
└ MEM16006 Organise and communicate information
- TLIB2092 Operate minor mechanical equipment
- TLIB3113 Diagnose and rectify minor faults on motive power units and rolling stock

Group C: Technology

- ICTICT223 Install software applications
- ICTICT445 Connect and configure devices and hardware components
- TLIB2022 Diagnose and rectify minor faults
- TLIK0004 Apply knowledge of automated workplace fundamentals

General elective units

Group D: General elective units

- AURTTA014 Assemble and install pneumatic system components
- AURVTG109 Remove and install vehicle fixed body glass

- MEM03001 Perform manual production assembly
└ MEM13015 Work safely and effectively in manufacturing and engineering
└ MEM16006 Organise and communicate information
- MEM03004 Perform electronic/electrical assembly (production)
└ MEM13015 Work safely and effectively in manufacturing and engineering
└ MEM16006 Organise and communicate information
- MEM03006 Set assembly stations
└ MEM11011 Undertake manual handling
└ MEM13015 Work safely and effectively in manufacturing and engineering
└ MEM16006 Organise and communicate information
└ MEM18001 Use hand tools
- MEM08014 Apply protective coatings (basic)
└ MEM11011 Undertake manual handling
└ MEM13003 Work safely with industrial chemicals and materials
└ MEM13015 Work safely and effectively in manufacturing and engineering
└ MEM16006 Organise and communicate information
- MEM11011 Undertake manual handling
└ MEM13015 Work safely and effectively in manufacturing and engineering
└ MEM16006 Organise and communicate information
- MEM12001 Use comparison and basic measuring devices
└ MEM11011 Undertake manual handling
└ MEM13015 Work safely and effectively in manufacturing and engineering
└ MEM16006 Organise and communicate information
- MEM18001 Use hand tools
└ MEM11011 Undertake manual handling
└ MEM13015 Work safely and effectively in manufacturing and engineering
└ MEM16006 Organise and communicate information
- MSMPER200 Work in accordance with an issued permit
- RIISAM202E Isolate and access plant
- RIIWHS202E Enter and work in confined spaces
- RIIWHS204E Work safely at heights
- TLIB0007 Respond and rectify rail traffic autonomous operations
- TLIB0013 Apply knowledge of rail operation fundamentals in yards or sidings
- TLIB0132 Start up and shut down a single locomotive
- TLIB3019 Test train braking system

TLIB3021	Conduct train roll-by inspection
TLIB3113	Diagnose and rectify minor faults on motive power units and rolling stock
TLIB3129	Conduct pre-movement checks on rolling stock
TLIF0020	Safely access the rail corridor
TLIF0025	Follow work health and safety procedures
TLIF3085	Apply local incident response procedures
TLIL2041	Monitor and record rolling stock locations

Qualification Mapping Information

This is a new qualification. No equivalent qualification.

Links

Companion Volume Implementation Guides are found in VETNet -

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