



Australian Government

TLI21315 Certificate II in Rail Infrastructure

Release 2

TLI21315 Certificate II in Rail Infrastructure

Modification History

Release 2. This is the second release of this qualification in the TLI Transport and Logistics Training Package. The following modifications have been made:

- TLIF0008 Apply safety critical communications in the rail environment added to general elective units
- Imported units 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 basic operations within the rail infrastructure environment undertaking a range of tasks involving known routines and procedures, and taking some responsibility for the quality of work outcomes.

Job roles

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

Rail Infrastructure – Track Work

- Track Worker
- Track Installer
- Track Maintainer

Rail Infrastructure – Structures

- Structures Maintainer

Rail Infrastructure – Track Surfacing

- Plant Operator
- Mobile Plant Operator
- Way Gang Driver.

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

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

Entry Requirements

There are no entry requirements for this qualification.

Packaging Rules

A total of **16 units of competency** comprising:

7 core units listed below **plus**

All units within one of the **specialist elective unit groups** (job roles) from Group A, Group B or Group C listed below **plus**

3 general elective units from the general elective units listed below if selecting Group A or Group C **or**

4 general elective units from the general elective units listed below if selecting Group B.

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.

The following imported units have a prerequisite unit:

- CPCCCM2007B Use explosive power tools
- CPCCCM2008B Erect and dismantle restricted height scaffolding.

Core units

TLIB1028	Maintain and use hand tools
TLID1001	Shift materials safely using manual handling methods
TLIE1003	Participate in basic workplace communication
TLIF1001	Follow work health and safety procedures
TLIF2010	Apply fatigue management strategies
TLIF2080	Safely access the rail corridor
TLIU2008	Apply environmental procedures to rail infrastructure

Specialist elective units

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

Group A: Track Work

Group B: Structures

Group C: Track Surfacing.

Group A: Track Work

TLIB2085	Apply track fundamentals
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- TLIB2092 Operate minor mechanical equipment
- TLIS2030 Carry out track ballasting
- TLIS2031 Install railway sleepers
- TLIS2034 Install and repair rail fastening systems
- TLIS2044 Carry out rail installation

Group B: Structures

- RIICCM201 Carry out measurements and calculations
D
- RIICCM203 Read and interpret plans and job specifications
D
- TLIB2084 Carry out routine maintenance of structures
- TLIB2086 Apply awareness of structures fundamentals
- TLIB2092 Operate minor mechanical equipment

Group C: Track Surfacing

- TLIB1093 Clean equipment and restore worksite
- TLIB2001 Check and assess operational capabilities of equipment
- TLIB2085 Apply track fundamentals
- TLIB2091 Measure and record track geometry
- TLIS2030 Carry out track ballasting
- TLIC2058 Travel medium or heavy self-propelled on-track equipment

OR

- TLIC2059 Propel and operate light on-track equipment

General elective units

- CPCCOHS2 Apply OHS requirements, policies and procedures in the construction industry
001A
- CPCCCM2 Use explosive power tools
007B

CPCCCM2 Erect and dismantle restricted height scaffolding
008B

RIICCM205 Carry out manual excavation
E

RIICCM207 Spread and compact materials manually
D

RIICCM208 Carry out basic levelling
D

RIICCM209 Carry out concrete work
D

RIIHAN301 Operate elevating work platform
D

RIIMPO317 Conduct roller operations
E

RIIMPO318 Conduct civil construction skid steer loader operations
E

RIIMPO319 Conduct backhoe/loader operations
D

RIIMPO320 Conduct civil construction excavator operations
E

RIIMPO321 Conduct civil construction wheeled front end loader operations
E

RIIMPO322 Conduct civil construction tracked front end loader operations
D

RIIMPO326 Conduct civil construction water cart operations
D

RIIWHS204 Work safely at heights
D

RIIWHS205 Control traffic with stop-slow bat
D

RIIWHS302 Implement traffic management plan
D

TLIB1093 Clean equipment and restore worksite

TLIB2034	Maintain poles and associated hardware
TLIB2091	Measure and record track geometry
TLIB2097	Install and maintain guard rails
TLIB2121	Maintain rail joints
TLIC3045	Operate road/rail vehicle
TLIF0008	Apply safety critical communications in the rail environment
TLIF2062	Apply awareness of safeworking rules and regulations
TLIG1001	Work effectively with others
TLIK2010	Use infotechnology devices in the workplace
TLIS2004	Install and maintain rail bonding systems
TLIS2020	Install overhead wiring structure
TLIS2027	Install and maintain surface track drainage
TLIS2033	Install and repair temporary track supports
TLIS2034	Install and repair rail fastening systems
TLIS2035	Install and repair fences and gates
TLIW2001	Operate under track protection rules
TLIW2028	Identify the principles of ballast cleaning operations
TLIW2029	Identify the principles of ballast regulator operations
TLIW2030	Identify the principles of dynamic track stabiliser operations
TLIW2031	Identify the principles of self-propelled rail grinder operations
TLIW2032	Identify the principles of tamping machine operations
TLIW2033	Identify the principles of mechanised track laying operations
TLIW2038	Place and remove temporary speed restriction equipment
TLIW3035	Heat and cut materials using oxy-LPG equipment for the rail industry

Qualification Mapping Information

This qualification replaces and is equivalent to TLI21311 Certificate II in Rail Infrastructure.

Links

Companion Volume Implementation Guides are found in VETNet -

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