



Australian Government

TLI21315 Certificate II in Rail Infrastructure

Release 1

TLI21315 Certificate II in Rail Infrastructure

Modification History

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

RIICCM201D	Carry out measurements and calculations
RIICCM203D	Read and interpret plans and job specifications
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
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General elective units

CPCCOHS2001A	Apply OHS requirements, policies and procedures in the construction industry
CPCCCM2007B	Use explosive power tools
CPCCCM2008B	Erect and dismantle restricted height scaffolding
RIICCM205D	Carry out manual excavation
RIICCM207D	Spread and compact materials manually
RIICCM208D	Carry out basic levelling
RIICCM209D	Carry out concrete work
RIIHAN301D	Operate elevating work platform
RIIMPO317D	Conduct roller operations
RIIMPO318D	Conduct civil construction skid steer loader operations
RIIMPO319D	Conduct backhoe/loader operations
RIIMPO320D	Conduct civil construction excavator operations
RIIMPO321D	Conduct civil construction wheeled front end loader operations
RIIMPO322D	Conduct civil construction tracked front end loader operations
RIIMPO326D	Conduct civil construction water cart operations
RIIWHS204D	Work safely at heights
RIIWHS205D	Control traffic with stop-slow bat
RIIWHS302D	Implement traffic management plan
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

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

TLI Transport and Logistics Training Package Companion Volume Implementation Guide at:
- <http://tlisc.org.au/training-packages/rail-training/>