



Australian Government

TLI30220 Certificate III in Mechanical Rail Signalling

Release 1

TLI30220 Certificate III in Mechanical Rail Signalling

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 the installation and maintenance of mechanical rail signalling equipment.

It involves a broad range of skilled applications in a wide variety of contexts, which may involve application of some discretion and judgement in selecting equipment, services or contingency measures. It may also include responsibility for coordinating the work of others.

Job roles

Job roles and titles vary across different sectors. A possible job title relevant to this qualification includes:

- mechanical rail signaller.

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

Entry Requirements

The entry requirement for this qualification is the **7 core units** of competency from TLI21315 Certificate II in Rail Infrastructure listed below or relevant industry experience gained by working within the rail infrastructure environment.

Entry requirement 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

Packaging Rules

A total of **18 units of competency** comprising:

11 core units listed below, **plus**

7 general elective units from the general elective units listed below.

Up to **3 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.

The following imported unit has a prerequisite unit:

- UETDRRF02 Perform pole top rescue
 - ↳ HLTAID001 Provide cardiopulmonary resuscitation.

Core units

RIICCM201E	Carry out measurements and calculations
RIICCM203E	Read and interpret plans and job specifications
TLIB3046	Service and clean mechanical signalling equipment and infrastructure
TLIB3047	Repair and adjust mechanical signalling equipment and infrastructure
TLIB3048	Carry out off-site repair, overhaul and assembly of mechanical signalling equipment
TLIB3053	Maintain mechanical signalling locking and interlocking devices
TLIB3120	Test mechanical signalling equipment and isolate faults
TLIE0002	Process workplace documentation
TLIF2062	Apply awareness of safeworking rules and regulations
TLIK2010	Use infotechnology devices in the workplace
TLIS3005	Install mechanical infrastructure for signalling

General elective units

HLTAID009	Provide cardiopulmonary resuscitation
NWPCAD002	Control vegetation on a site
RIIHAN301E	Operate elevating work platform
RIIWHS202E	Enter and work in confined spaces

RIIWHS204E	Work safely at heights
RIIWHS205E	Control traffic with stop-slow bat
TAEASS401	Plan assessment activities and processes
TAEASS402	Assess competence
TAEDEL301	Provide work skill instruction
TLIB0009	Provide first-level rail network wayside technical support remotely
TLIB1093	Clean equipment and restore worksite
TLIE2007	Use communications systems
TLIE2029	Conduct workplace information briefings
TLIF0008	Apply safety critical communications in the rail environment
TLIF2006	Apply accident-emergency procedures
TLIF3013	Coordinate breakdowns and emergencies
TLIF3058	Apply safeworking rules and regulations to rail functions
TLIG1001	Work effectively with others
TLIG3002	Lead a work team or group
TLII1002	Apply customer service skills
TLIS2004	Install and maintain rail bonding systems
TLIS3023	Erect and mount structures and housings for signalling equipment
TLIW3035	Heat and cut materials using oxy-LPG equipment for the rail industry
TLIX0013X	Maintain stock control and receivals
UETTDRRF02	Perform pole top rescue

Qualification Mapping Information

This qualification replaces and is equivalent to TLI31918 Certificate III in Mechanical Rail Signalling.

Links

Companion Volume Implementation Guides are found in VETNet -

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