Australian Government

TLI31921 Certificate III in Mechanical Rail Signalling

Release: 3

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Modification History

Release 3. This is the third release of this qualification in the TLI Transport and Logistics Training Package. The following units have been updated in the general elective units:

- TAEASS412 Assess competence
- TAEDEL311 Provide work skill instruction.

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 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 6 **core units** of competency from TLI Certificate II in Rail Infrastructure listed below or relevant industry experience gained by working within the rail infrastructure environment.

Entry requirement units

TLIB0012   Maintain and use hand tools

TLID0020   Shift materials safely using manual handling methods

TLIE1003   Participate in basic workplace communication

Australian Industry Standards

TLIF0025   Follow work health and safety procedures

TLIF2010   Apply fatigue management strategies

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.

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
TAEASS412	Assess competence
TAEDEL311	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
TLIF0020	Safely access the rail corridor
TLIF2006	Apply accident-emergency procedures
TLIF3013	Coordinate breakdowns and emergencies
TLIF3058	Apply safeworking rules and regulations to rail functions
TLIG0002	Lead a work team
TLIG0003	Work effectively with others in a team
TLII0005	Apply customer service skills
TLIS2004	Install and maintain rail bonding systems
TLIS3023	Erect and mount structures and housings for signalling equipment
TLIW0006	Heat and cut materials using oxy-LPG equipment for the rail industry
TLIX0013X	Maintain stock control and receivals
UETDRMP006	Perform pole top rescue

└ HLTAID009 Provide cardiopulmonary resuscitation

and

└ UEECD0007 Apply work health and safety regulations, codes and practices in the workplace

∟ UETDREL005 Work safely in the vicinity of live electrical apparatus

or

∟ UETDREL006 Work safely in the vicinity of live electrical apparatus as a non-electrical worker

Qualification Mapping Information

This qualification replaces and is equivalent to TLI31920 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