Australian Government

TLI32115 Certificate III in Rail Structures

Release 3

TLI32115 Certificate III in Rail Structures

Modification History

Release 3. This is the third release of this qualification in the TLI Transport and Logistics Training Package. The following modifications have been made:

- TLIF0015 Recognise the impact of human capabilities/limitations on human performance in a rail environment, added to the general elective units.

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

- TLIE0002 Process workplace documentation has an updated code
- TLIF0008 Apply safety critical communications in the rail environment added to the general elective units.

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 rail infrastructure environment who performs tasks involving checking and repairing structures through a broad 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. It may also include responsibility for coordinating the work of others.

Job roles

Job roles and titles vary across different sectors. Possible job titles relevant to the job role groups listed below include:

Steel/Concrete/Masonry Structures Maintenance

- senior structures maintainer

Timber Structures Maintenance

- senior structures maintainer.

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

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

Entry Requirements

The entry requirement for this qualification is TLI27120 Certificate II in Rail Infrastructure (Structures) or relevant industry experience gained by working in the rail infrastructure

(structures) environment.

Packaging Rules

A total of **11 units of competency** comprising:

6 core units listed below, **plus**

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

2 general elective units from the Group C units listed below if selecting Group A, **or**
3 general elective units from the Group C units listed below if selecting Group B.

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.

The following imported units have a prerequisite unit:

- MEM24001B Perform basic penetrant testing
  └ MEM18001C Use hand tools
- MEM24003B Perform basic magnetic particle testing
  └ MEM18001C Use hand tools.

Core units

TLIE2007	Use communications systems
TLIE2029	Conduct workplace information briefings
TLIF3003	Implement and monitor work health and safety procedures
TLIJ3002	Apply quality systems
TLIS2013	Install minor structures
TLIS3029	Implement structures maintenance and installation of minor structures

Specialist elective units

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

- Group A: Steel/Concrete/Masonry Structures Maintenance
- Group B: Timber Structures Maintenance.

Specialist elective groups

Group A: Steel/Concrete/Masonry Structures Maintenance

TLIB2082	Repair steel structures
TLIB2083	Maintain bridge bearings
TLIB2096	Repair concrete/masonry structures

Group B: Timber Structures Maintenance

TLIB2081	Repair timber structures
TLIS2028	Install and replace transoms

General elective units

Group C: General elective units

MEM18001	Use hand tools
MEM24001B	Perform basic penetrant testing
MEM24003B	Perform basic magnetic particle testing
TLIB2092	Operate minor mechanical equipment
TLIB2097	Install and maintain guard rails
TLIE0002	Process workplace documentation
TLIF0008	Apply safety critical communications in the rail environment
TLIF0015	Recognise the impact of human capabilities/limitations on human performance in a rail environment
TLIF2006	Apply accident-emergency procedures
TLIF3058	Apply safeworking rules and regulations to rail functions
TLIF3089	Implement fatigue management policies and procedures for rail infrastructure
TLIG1001	Work effectively with others
TLII1002	Apply customer service skills
TLIS2012	Install and service rail lubrication equipment
TLIS0002	Install and maintain surface track drainage
TLIS2028	Install and replace transoms

TLIS2033	Install and repair temporary track supports
TLIS2034	Install and repair rail fastening systems
TLIS2035	Install and repair fences and gates
TLIS3037	Install and repair rail earthworks
TLIU4001	Implement and monitor environmental protection policies and procedures
TLIW0006	Heat and cut materials using oxy-LPG equipment for the rail industry
TLIW3034	Apply protective coating systems to structures

Qualification Mapping Information

This qualification replaces and is equivalent to TLI32111 Certificate III in Rail Structures.

Links

Companion Volume Implementation Guides are found in VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851

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