



**Australian Government**

# **TLI32115 Certificate III in Rail Structures**

**Release 2**

## TLI32115 Certificate III in Rail Structures

### 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 :

- 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 TLI21315 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 general elective units listed below if selecting Group A **or**  
**3 general elective units** from the general elective 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
- MEM24003B Perform basic magnetic particle testing.

### **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.

#### **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
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TLIS2028 Install and replace transoms

**General elective units**

MEM18001C 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

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

TLIS2027 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

TLIW3034 Apply protective coating systems to structures

TLIW3035 Heat and cut materials using oxy-LPG equipment for the rail industry

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