



**Australian Government**

# **TLIB2121 Maintain rail joints**

**Release: 2**

# TLIB2121 Maintain rail joints

## Modification History

**Release 2.** This is the second release of this unit of competency in the TLI Transport and Logistics Training Package:

- Minor statement changes in Performance Evidence
- Minor statement changes in Knowledge Evidence
- Minor statement changes in Assessment Conditions.

**Release 1.** This is the first release of this unit of competency in the TLI Transport and Logistics Training Package.

## Application

This unit involves the skills and knowledge required to maintain rail joints in accordance with rail industry standards, safeworking and regulatory requirements, and workplace procedures.

It includes identifying and determining parameters or components that require repair, cutting and boring rail, maintaining rail joints and completing required documentation.

People achieving competence in this unit will need to fulfil applicable state/territory legislated rail safety requirements and to comply with relevant codes of practice and/or guidelines.

Work is performed under minimal supervision, generally in a team environment. It involves the application of routine operational principles and procedures when maintaining rail joints, as part of workplace activities across a variety of operational contexts within the Australian rail system.

Operators of mechanised equipment must have undertaken training and, where appropriate, hold the relevant licence, permit or certificate and be recognised as competent for the class of machinery being used.

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

## Pre-requisite Unit

Not applicable.

## Competency Field

B – Equipment Checking and Maintenance

## Unit Sector

Rail sector.

## Elements and Performance Criteria

### ELEMENTS

Elements describe the essential outcomes.

### PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

|                                                                     |            |                                                                                                                                                    |
|---------------------------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1 Determine parameters or components that require adjustment</b> | <b>1.1</b> | Rail joint condition, component, fastening and anchoring defects affecting rail joints are identified in accordance with organisational procedures |
|                                                                     | <b>1.2</b> | Hazards are identified, risks are assessed and control measures are implemented                                                                    |
|                                                                     | <b>1.3</b> | Appropriate repair method is selected to ensure rail joint meets specifications                                                                    |
|                                                                     | <b>1.4</b> | Scope of work is determined and resources are arranged                                                                                             |
| <b>2 Check and maintain rail joint</b>                              | <b>2.1</b> | Surfaces and component parts are checked in accordance with specifications and organisational procedures                                           |
|                                                                     | <b>2.2</b> | Rail joint is maintained to specifications in accordance with organisational procedures                                                            |
| <b>3 Complete documentation</b>                                     | <b>3.1</b> | Required documentation procedures and processes are confirmed                                                                                      |
|                                                                     | <b>3.2</b> | Documentation is filled in legibly and proofread                                                                                                   |
|                                                                     | <b>3.3</b> | Documentation is processed in accordance with workplace procedures                                                                                 |

## Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions can be found in the TLI Transport and Logistics Training Package Companion Volume Implementation Guide.

## Unit Mapping Information

This unit replaces and is equivalent to TLIB2121B Maintain rail joints.

## Links

Companion Volume Implementation Guides are found in VETNet -

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