



**Australian Government**

# **TLIB3094 Check and repair track geometry**

**Release: 2**

# TLIB3094 Check and repair track geometry

## Modification History

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

- PC 3.1 grammatical error corrected
- PC 4.3 deleted with outcomes moved to PC 4.1
- Minor Performance Evidence added
- 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 check and repair track geometry, in accordance with safeworking and regulatory requirements, workplace procedures and rail network geometry specifications.

It includes determining the job requirements, restoring track geometry, checking track compliance after work and completing required documentation.

People achieving competence in this unit will need to fulfil the 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 checking and repairing track geometry, as part of workplace activities across a variety of operational contexts within the Australian rail system.

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 job requirements</b>    | <b>1.1</b> | Faults and deficiencies in track geometry are identified, and work required to restore track to required standard is determined                                                            |
|                                        | <b>1.2</b> | Hazards are identified, risks assessed and control measures implemented                                                                                                                    |
|                                        | <b>1.3</b> | Appropriate repair methods are identified to enable repairs to be conducted                                                                                                                |
|                                        | <b>1.4</b> | Job requirements and resources are determined in accordance with workplace procedures and scope of work                                                                                    |
| <b>2 Restore track geometry</b>        | <b>2.1</b> | Survey data is used as required to establish correct geometry                                                                                                                              |
|                                        | <b>2.2</b> | Appropriate lifting and lining methods and equipment are used to lift and line track to restore running surface to required geometry in accordance with workplace standards and procedures |
| <b>3 Confirm compliance after work</b> | <b>3.1</b> | Track geometry is checked for compliance with rail network standards                                                                                                                       |
|                                        | <b>3.2</b> | Vertical and horizontal structural and overhead clearances are checked against required standards to allow safe passage of trains                                                          |
|                                        | <b>3.3</b> | Track structure where work has been undertaken is checked for compliance with standards required to enable reinstatement of service                                                        |
|                                        | <b>3.4</b> | Appropriate operating conditions are applied in accordance with workplace procedures                                                                                                       |
| <b>4 Complete documentation</b>        | <b>4.1</b> | Required documentation procedures and processes are                                                                                                                                        |

confirmed in accordance with workplace procedures

- 4.2** Documentation is completed and 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.

## Unit Mapping Information

This unit replaces and is equivalent to TLIB3094B Check and repair track geometry.

## Links

Companion Volume Implementation Guides are found in VETNet -

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