



**Australian Government**

# **TLIB2091 Measure and record track geometry**

**Release: 2**

# TLIB2091 Measure and record track geometry

## 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 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 measure and record track geometry in accordance with safeworking and regulatory requirements, and workplace procedures.

It includes measuring and recording track geometry, and reporting results.

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 within a team environment. It involves the application of routine operational principles and procedures when measuring and recording track geometry, 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

### PERFORMANCE CRITERIA

Elements describe the essential Performance criteria describe the performance needed to

outcomes.

demonstrate achievement of the element.

- |                           |   |
|---------------------------|---|
| <b>1 Measure geometry</b> | <b>1.1</b> Equipment and tools appropriate to task are selected and checked for correct operation in accordance with manufacturer instructions and workplace procedures |
|                           | <b>1.2</b> Hazards are identified, risks assessed and control measures implemented  |
|                           | <b>1.3</b> Equipment is operated in accordance with manufacturer and work instructions to provide appropriate data for analysis   |
| <b>2 Record results</b>   | <b>2.1</b> Data is recorded in a complete and accurate manner   |
|                           | <b>2.2</b> Documentation is completed in accordance with workplace procedures, as required  |
| <b>3 Process data</b>     | <b>3.1</b> Data is compared to maintenance/construction tolerances in accordance with workplace procedures  |
|                           | <b>3.2</b> Results are reported 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 TLIB2091A Measure and record track geometry.

## Links

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