



Australian Government

TLIB3102 Adjust rail

Release: 2

TLIB3102 Adjust rail

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 adjust rail in accordance with safeworking and regulatory requirements, and workplace procedures.

It includes identifying and determining the requirements for rail adjustment, undertaking rail adjustment, and completing all 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 some supervision, generally within a team environment. It involves the application of routine operational principles and procedures when adjusting rail, 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.

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 outcomes.

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

1 Identify and determine rail adjustment requirements

1.1 Appropriate adjustment method is determined and required resources are arranged

1.2 Hazards are identified, risks are assessed and control measures are implemented

1.3 Adjustment length is established depending on track geometry and location, in accordance with workplace procedures

2 Adjust rail

2.1 Anchor points are identified and created as required to enable rail adjustment to be undertaken in accordance with workplace procedures

2.2 Track is released and rail is vibrated to achieve stress-free state in accordance with workplace procedures

2.3 Measurements are appropriately taken and used to calculate adjustment requirements in accordance with workplace procedures

2.4 Rail length is adjusted using appropriate method to achieve desired rail stress

2.5 Rail is joined using determined appropriate method in accordance with workplace procedures

2.6 Track fastenings are restored in accordance with workplace procedures

2.7 Creep control marks are installed or reset in continuous welded rail track, as required, in accordance with workplace procedures

3 Complete documentation

3.1 Completed work is checked for compliance with rail industry standards to ensure safe operation of trains and compliance records are processed

3.2 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 TLIB3102A Adjust rail.

Links

Companion Volume Implementation Guides are found in VETNet -

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