



Australian Government

TLIS2031 Install railway sleepers

Release: 2

TLIS2031 Install railway sleepers

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 install railway sleepers manually or mechanically in accordance with safeworking and regulatory requirements, and workplace procedures.

It includes preparing for work, restoring track gauge, installing or replacing sleepers and completing 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 installing railway sleepers, 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

S – Construction and Installation

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.

1 Prepare for work

- 1.1** Worksite is identified
- 1.2** Hazards are identified, risks are assessed and control measures are implemented
- 1.3** Installation, replacement or repair method is selected to meet work requirements in accordance with worksite standards and procedures
- 1.4** Plant, equipment and materials are prepared for work

2 Restore track gauge

- 2.1** Equipment and tools appropriate to task are selected and checked for correct operation in accordance with manufacturer instructions and workplace procedures
- 2.2** Track gauge is restored, as required, using appropriate methods in accordance with worksite standards and procedures
- 2.3** Track gauge measurements are recorded in accordance with workplace procedures

3 Install or replace sleeper

- 3.1** Unserviceable sleepers are extracted, as required, using manual or mechanical methods in accordance with worksite procedures
- 3.2** New sleeper is installed using manual or mechanical methods in accordance with worksite procedures
- 3.3** Sleeper plates are installed on relevant sleeper types in accordance with worksite procedures
- 3.4** Sleeper is suitably packed or supported by appropriate methods in accordance with worksite procedures
- 3.5** Work is completed to meet track geometry requirements in accordance with worksite procedures
- 3.6** Work is checked for compliance with acceptance standards for spacing, skew and geometry

4 Complete documentation

- 4.1** Required documentation procedures and processes are confirmed

- 4.2 Documentation is filled in legibly and proofread
- 4.3 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.

Unit Mapping Information

This unit replaces and is equivalent to TLIS2031A Install railway sleepers.

Links

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