



Australian Government

TLIS2034 Install and repair rail fastening systems

Release: 2

TLIS2034 Install and repair rail fastening systems

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 and repair rail fastening systems in accordance with safeworking and regulatory requirements, and workplace procedures.

It includes identifying work requirements, installing the fastening system, repairing the fastening system 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 installing and repairing rail fastening systems, 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 to confirm work requirements
- 1.2** Appropriate fastening system is chosen to suit job requirements
- 1.3** Hazards are identified, risks are assessed and control measures are implemented
- 1.4** Appropriate tools and equipment are selected for job to facilitate the effective replacement/repair of components

2 Install fastening system

- 2.1** Required rail industry standards for installing fastening systems are confirmed
- 2.2** Selected fastening systems are installed using appropriate tools and equipment in accordance with rail industry standards
- 2.3** Tools and equipment are stored after use

3 Repair fastening system

- 3.1** Appropriate method is chosen to repair fastening system
- 3.2** Required standards for repairing fastening systems are confirmed
- 3.3** Fastening systems are repaired to maintain integrity of rail fastening systems in accordance with rail industry standards
- 3.4** Tools and equipment are stored after use

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 requirements

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 TLIS2034A Install and repair rail fastening systems.

Links

Companion Volume Implementation Guides are found in VETNet -

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