



Australian Government

TLIS0003 Install turnouts

Release: 1

TLIS0003 Install turnouts

Modification History

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 turnouts in accordance with rail industry standards, safeworking and regulatory requirements, and workplace procedures.

It includes transporting and installing points and crossings; 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.

The unit involves the application of routine operational principles and procedures when installing points and crossings, 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

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 to install turnouts | 1.1 Work requirements are established to identify scope of work and resources required |
| | 1.2 Construction design or plan is obtained and interpreted |
| | 1.3 Required resources are acquired in accordance with workplace procedures |
| | 1.4 Hazards are identified, risks are assessed and control measures are implemented |
| | 1.5 Existing track work is removed from worksite |
| | 1.6 Track bed is prepared for installation of points and crossings in accordance with workplace procedures |
| 2 Prepare points and crossings for transport | 2.1 Transport requirements are confirmed |
| | 2.2 Transport requirements are followed in accordance with manufacturer instructions and workplace procedures |
| | 2.3 Documentation is completed and processed in accordance with workplace procedures |
| 3 Install turnouts | 3.1 New points and crossings are installed in accordance with specified design, manufacturer instructions and workplace procedures |
| | 3.2 Dimensions, geometry, condition and operation are checked for compliance with rail industry standards in accordance with design, manufacturer instructions and workplace procedures |
| | 3.3 Non-compliances are repaired or replaced, as required in accordance with workplace procedures |
| 4 Complete installation process | 4.1 Documentation is completed in accordance with organisational procedures |
| | 4.2 Appropriate personnel are informed that the installation has been completed, in accordance with organisational 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 but is not equivalent to TLIS3045 Install turnouts.

Links

Companion Volume Implementation Guides are found in VETNet -

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