



**Australian Government**

# **TLIC3048 Shunt, couple and uncouple electric passenger trains**

**Release: 1**

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## **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 shunt, couple and uncouple an electric passenger train to operational requirements in accordance with safeworking and regulatory requirements, and workplace procedures. This includes planning and preparing for shunting operations, shunting the train, coupling and uncoupling the train, and using a coupling adaptor.

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 generally performed without supervision and within a team environment. It involves the application of routine operational principles and procedures when shunting, coupling and uncoupling electric passenger trains to operational requirements, 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**

C – Vehicle Operation

## **Unit Sector**

Not applicable.

## **Elements and Performance Criteria**

### **ELEMENTS                      PERFORMANCE CRITERIA**

Elements describe the      Performance criteria describe the performance needed to demonstrate

essential outcomes.

achievement of the element.

### **1 Plan and prepare for shunting operation**

- 1.1 Shunting requirements are confirmed through workplace documents and/or relevant personnel
- 1.2 Hazards are identified, risks are assessed and control measures are implemented
- 1.3 Local safety requirements are identified and followed in accordance with workplace procedures
- 1.4 Relevant work health and safety (WHS)/occupational health and safety (OHS) requirements are followed to prevent injury and damage

### **2 Shunt trains**

- 2.1 Points, levers and/or switches are operated as required in accordance with workplace requirements
- 2.2 Audible signals, hand signals and other line of sight communications are used to assist the control of train movements
- 2.3 Hand, light and radio shunting commands are responded to in accordance with workplace requirements
- 2.4 Pre-movement inspection/tests are carried out prior to moving trains
- 2.5 Train is shunted and positioned in accordance with operational/workplace requirements
- 2.6 Train is secured after shunt movement in accordance with workplace requirements

### **3 Couple trains**

- 3.1 Type of connections required are identified prior to coupling
- 3.2 Trains to be coupled are positioned in accordance with operating procedures and workplace requirements
- 3.3 Trains to be coupled are fully secured
- 3.4 Alignment of couplers in the appropriate position for type of connection required is ensured
- 3.5 Prior to coupling trains, safety requirements are ensured
- 3.6 Trains are coupled in accordance with operating procedures and workplace requirements
- 3.7 Post-coupling inspection/tests are carried out in accordance with operating procedures and workplace requirements

- 4 Uncouple trains**
- 4.1 Trains to be uncoupled are identified and pre-uncoupling checks and, as required, procedures, are conducted in accordance with operating procedures and workplace requirements
  - 4.2 Prior to uncoupling trains, safety requirements are ensured
  - 4.3 Train to remain after uncoupling is fully secured
  - 4.4 Trains are uncoupled in accordance with operating procedures and workplace requirements
  - 4.5 Post-uncoupling inspection/tests are carried out in accordance with operating procedures and 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.

Non-essential conditions can be found in the Companion Volume Implementation Guide.

## Unit Mapping Information

This unit replaces and is equivalent to TLIC3048B Shunt couple and uncouple electric passenger trains.

## Links

Companion Volume implementation guides are found in VETNet -

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