



Australian Government

TLIC3052 Assist with shunting, coupling and uncoupling electric passenger trains

Release: 1

TLIC3052 Assist with shunting, coupling and uncoupling electric passenger trains

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 assist a train driver to shunt, couple and uncouple an electric passenger train to operational requirements in accordance with safeworking and regulatory requirements, and workplace procedures.

It includes assisting with: 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 and safeworking requirements and to comply with relevant codes of practice and/or guidelines.

Work is performed with minimal supervision, generally within a team environment. It involves the application of routine operational principles and procedures to assist with 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 essential outcomes.

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

1 Assist with preparing for shunting operation

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

2 Assist with shunting trains

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

3 Assist with coupling 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, to ensure couplers are aligned and in the appropriate position for type of connection required
- 3.3 All safety requirements are met prior to coupling trains
- 3.4 After trains are coupled, post-coupling inspection/tests are carried out in accordance with operating procedures and workplace requirements

4 Assist with uncoupling trains

- 4.1 Train to be uncoupled is identified and checks are made to ensure all safety requirements are met prior to uncoupling
- 4.2 Train is uncoupled in accordance with operating procedures and workplace requirements

- 4.3 Post-uncoupling inspection/tests are carried out in accordance with operating procedures and workplace requirements
- 5 Use coupling adaptor**
 - 5.1 Situations requiring the use of a coupling adaptor are identified in accordance with workplace procedures
 - 5.2 Coupling adaptor is accessed and transported to required location for use
 - 5.3 All safety requirements are met prior to fitting coupling adaptor
 - 5.4 Coupling adaptor is attached to one of the trains prior to coupling in accordance with workplace procedures
 - 5.5 Trains are coupled in accordance with workplace procedures and coupling adaptor is secured in place
 - 5.6 Post-coupling inspection/tests and/or procedures 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 TLIC3052A Assist with shunting, coupling and uncoupling 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>

Assessment Requirements for TLIC3052 Assist with shunting, coupling and uncoupling electric passenger trains

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on **at least two** separate occasions and **in two** separate locations and include:

- applying relevant safeworking and workplace procedures
- assisting with shunting trains in more than one location including sidings and depots/yards
- carrying out pre-shunting checks in accordance with workplace procedures
- communicating effectively with others
- identifying job hazards and taking required action to minimise, control or eliminate identified hazards
- implementing contingency plans
- interpreting and following operational instructions and prioritising work
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring work activities in terms of planned schedule
- reading and interpreting relevant instructions, procedures, information and signs
- reporting and/or rectifying identified problems, faults or malfunctions defects promptly, in accordance with workplace procedures
- working collaboratively with others
- working systematically with required attention to detail without injury to self or others, or damage to goods or equipment.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- communications protocols
- coupling systems, their components and their operation
- diagnostic techniques relating to shunting, coupling and uncoupling electric passenger trains
- emergency procedures
- relevant rail danger zones
- relevant sections of applicable state/territory legislated rail safety and safeworking requirements, codes of practice and/or guidelines
- relevant work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations including codes of practice for manual handling
- shunting workplace procedures and requirements
- types of couplers and their purpose
- types of coupling adaptors and their purpose.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the *Standards for Registered Training Organisations* current at the time of assessment.

As a minimum, assessment must satisfy applicable regulatory requirements, which include requirements in the *Standards for Registered Training Organisations* current at the time of assessment.

Assessment must occur in workplace operational situations or, where this is not available, in simulated workplace operational situations that replicate rail corridor workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

- Resources for assessment include:
- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry
- applicable documentation including workplace procedures, regulations, safeworking system, codes of practice and operation manuals.

Links

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