



Australian Government

TLIC3048 Shunt, couple and uncouple electric passenger trains

Release: 2

TLIC3048 Shunt, couple and uncouple electric passenger trains

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 Performance Criteria
- Minor Statement changes in Performance Evidence
- Minor Statement changes in Knowledge Evidence
- 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 shunt, couple and uncouple an electric passenger train to operational requirements in accordance with systems of safeworking, 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

Rail sector.

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 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 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 Safety requirements are ensured prior to coupling trains
- 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 procedures are conducted in accordance with operating procedures and workplace requirements
 - 4.2 Safety requirements are ensured prior to uncoupling trains
 - 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.

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>

Assessment Requirements for TLIC3048 Shunt, couple and uncouple 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 one occasion and include:

- applying rail safety practices and workplace procedures
- assessing shunting, coupling and uncoupling defects
- carrying out pre-shunting checks in accordance with workplace requirements
- communicating effectively and working collaboratively with others
- coupling an electric passenger train
- identifying job hazards and taking required actions to minimise, control or eliminate identified hazards
- identifying and assessing electric passenger train defects and deficiencies, and taking appropriate actions in accordance with workplace procedures
- 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
- operating and adapting to differences in trains and related equipment in accordance with workplace operating procedures
- operating electronic communications equipment to required protocol
- reporting and/or rectifying identified problems, faults or malfunctions promptly in accordance with workplace procedures
- reading and interpreting relevant instructions, procedures, information and signs
- 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:

- applicable rail network standards, shunting procedures, requirements and/or guidelines
- communications protocols
- coupling systems, types of couplers, their components and their operation
- electric passenger train shunting, coupling and uncoupling diagnostic or fault-finding techniques
- types of coupling adaptors, their purpose and use
- work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations, including codes of practice for manual handling.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate rail 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 must include access to:

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals.

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