



Australian Government

TLIC3027 Stable a motive power unit

Release: 2

TLIC3027 Stable a motive power unit

Modification History

Release 2. This is the second release of this unit of competency in the TLI Transport and Logistics Training Package:

- Minor terminology changes to 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 stable a motive power unit in accordance with relevant workplace procedures, rail regulations and codes of practice.

It includes determining the required stabling location, shunting and securing the train, stabling and securing the motive power unit, carrying out all required post-operational checks and completing post-operational paperwork.

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 without supervision, generally within a team environment. It involves the application of routine operational principles and procedures when stabling and securing a motive power unit, across a variety of operational contexts in 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

Elements describe the essential outcomes.

1 Determine stabling location

PERFORMANCE CRITERIA

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

- 1.1** Contact is made with appropriate personnel to determine planned location for stabling train and/or motive power unit
- 1.2** Location is identified and confirmed with appropriate personnel
- 1.3** Directions from appropriate personnel are interpreted and followed

2 Stable motive power unit

- 2.1** Train is shunted and secured to prevent roll away in accordance with directions and workplace procedures
- 2.2** Motive power unit is stabled as directed
- 2.3** Motive power unit is secured to prevent roll away in accordance with directions and workplace procedures
- 2.4** Motive power unit is shut down in accordance with manufacturer instructions and workplace procedures
- 2.5** Cab is secured in accordance with workplace procedures
- 2.6** Derailers are set in place in accordance with workplace procedures, as required

3 Carry out post-operational checks

- 3.1** Fuel and fluid levels are checked and required actions taken to replenish consumables
- 3.2** Inspection is made of motive power unit in accordance with workplace procedures
- 3.3** Identified faults and defects are fixed and/or reported and recorded in accordance with workplace procedures
- 3.4** Faulty and defective equipment that presents a safety risk is isolated and tagged in accordance with workplace procedures and rail regulations
- 3.5** Outcomes of post-operational checks are recorded in accordance with workplace procedures
- 3.6** Equipment is returned and stowed in accordance with workplace requirements

- 3.7 Required safeworking and post-operational documentation is completed in accordance with workplace procedures and rail regulations

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 TLIC3027A Stable a motive power unit.

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 TLIC3027 Stable a motive power unit

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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:

- adapting to differences in motive power units and associated equipment and procedures
- carrying out post-operational checks on a range of motive power units in accordance with workplace procedures
- communicating effectively with others
- conducting a visual inspection of a motive power unit
- documenting outcomes of motive power unit inspection
- identifying and assessing motive power unit defects and deficiencies and taking appropriate actions to report, isolate, repair or replace identified defective equipment in accordance with workplace procedures
- identifying job hazards and taking required actions to minimise, control or eliminate identified hazards
- interpreting and following operational instructions and prioritising work
- modifying activities depending on operational contingencies, risk situations and environments
- reading and interpreting relevant instructions, procedures and information
- recognising problems that may arise when stabling a motive power unit and taking appropriate actions.

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 state/territory legislated rail safety requirements, relevant codes of practice and/or guidelines
- motive power unit controls, instruments and indicators, and their purpose, location and use
- operating controls to start, accelerate, decelerate and stop a motive power unit
- relevant safety, work health and safety (WHS)/occupational health and safety (OHS), and environmental procedures and regulations
- speed and load limit compliance requirements
- typical defects that can occur on a motive power unit and related actions that should be taken
- workplace procedures for:
 - braking and safety system
 - completing relevant documentation when stabling a motive power unit
 - emergency response procedures
 - identifying equipment defects and assessing for appropriate actions
 - managing hazardous situations when operating and stabling a motive power unit
 - minor preventative maintenance, cleaning, lubricating and servicing a motive power unit
 - operating and shutting down auxiliary systems
 - operating electronic communications equipment protocol
 - operating requirements to stable a motive power unit
 - securing a motive power unit to prevent roll away
 - stabling a motive power unit.

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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