



Australian Government

TLIC3031 Stable a heritage steam locomotive

Release: 2

TLIC3031 Stable a heritage steam locomotive

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 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 heritage steam locomotive in accordance with relevant workplace procedures, rail regulations and codes of practice.

It includes determining the required stabling location, shunting and securing train, stabling and securing a heritage steam locomotive, 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 under minimal supervision, generally within a team environment. It involves the application of routine operational principles and procedures when stabling and securing a heritage steam locomotive across a variety of operational contexts in the Australian heritage 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.

PERFORMANCE CRITERIA

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

1	Determine stabling location	1.1 Contact is made with network control officer and yard staff to determine planned location for stabling a steam locomotive 1.2 Directions of network control officer and yard staff are interpreted and followed 1.3 Care is taken to keep clear of other roads
2	Stable and shut down heritage steam locomotive	2.1 Hazards are identified, risks are assessed and risk control measures implemented 2.2 Carriages or vehicles are shunted and secured in accordance with directions, workplace procedures and rail regulations 2.3 Steam locomotive is stabled in correct location as directed 2.4 Derailers are set in place in accordance with workplace procedures and rail regulations 2.5 Handbrakes are applied 2.6 Park brakes are secured 2.7 Steam locomotive is stabled in accordance with operator instructions and workplace procedures 2.8 Cab is secured in accordance with workplace procedures
3	Carry out post-operational checks	3.1 Fluid and fuel levels are checked and any required actions taken to top up levels 3.2 Visual check is made of steam locomotive in accordance with workplace procedures

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| | | 3.3 Identified faults and defects are fixed 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 |
| 4 | Complete post-operational paperwork | 4.1 Timesheet or other work record is completed |
| | | 4.2 Roster is checked for future work allocation |
| | | 4.3 Issues and variations are discussed and resolved with roster clerk |
| | | 4.4 Required safeworking documentation and actions are completed in accordance with workplace procedures and rail regulations |
| | | 4.5 Equipment is returned and stowed in accordance with 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 TLIC3031A Stable a heritage steam locomotive.

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 TLIC3031 Stable a heritage steam locomotive

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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 heritage steam locomotives and associated equipment and procedures
- checking and replenishing fluids and fuel and carrying out lubrication requirements on a heritage steam locomotive
- communicating effectively with others
- completing relevant documentation
- conducting post-operational inspection of a heritage steam locomotive
- determining heritage steam locomotive stabling location
- 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 heritage steam locomotive 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
- heritage steam locomotive controls, instruments and indicators and their purpose, location

and use

- monitoring devices, braking and power equipment, auxiliary systems and signalling systems
- operating controls to start, accelerate, decelerate and stop a heritage steam locomotive
- relevant work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations
- speed and load limits
- typical defects that can occur on a heritage steam locomotive and related actions that should be taken
- workplace procedures for:
 - braking and safety system procedures
 - completing relevant documentation
 - emergency response procedures
 - identifying equipment defects, assessing and reporting for appropriate actions
 - managing hazardous situations
 - minor maintenance, cleaning, lubricating and servicing heritage steam locomotives
 - operating and shutting down ancillary systems
 - operating and stabling a heritage steam locomotive.

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:

- 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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