



Australian Government

TLIC0079 Operate a motive power unit within defined limits

Release: 2

TLIC0079 Operate a motive power unit within defined limits

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 operate and monitor a motive power unit within defined limits in accordance with relevant workplace practices, rail regulations and codes of practice.

It includes operating the controls of the motive power unit and monitoring its performance. It also includes working collaboratively with other train crew and relevant personnel.

Defined limits are considered to be yards, terminals or sidings.

This unit is not intended to be used as a qualification for operation of a motive power unit on a main line.

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 Operate motive power unit

- 1.1** Motive power unit is operated at low speed within the defined limits of operation
- 1.2** Motive power unit handling techniques are interpreted and applied to eliminate or minimise risk of injury to personnel or damage to equipment and/or rolling stock
- 1.3** Acceleration and braking techniques are applied safely to take into account track, road and weather conditions within the defined limits of operation
- 1.4** Motive power unit is moved in a way that ensures all rolling stock is positioned safely in accordance with relevant codes of practice, yard or siding operating systems and related requirements

2 Work collaboratively

- 2.1** Safe operation of motive power unit is maintained in collaboration with relevant workplace personnel in accordance with operational requirements of the defined limits
- 2.2** Constant communication is maintained with relevant personnel when operating a motive power unit within the defined limits in accordance with organisational procedures and regulatory requirements
- 2.3** Relevant personnel are advised of any changed/degraded conditions and/or emergency situations
- 2.4** Directions provided by relevant personnel to the limited operation of the motive power unit are interpreted and applied to driving activities in accordance with workplace procedures and applicable regulatory requirements

3 Follow all applicable rail regulatory requirements

- 3.1** Workplace procedures to operate a motive power unit within the defined limits are used
- 3.2** Rail regulatory requirements applicable to operating a motive power unit within the defined limits of the track or road concerned are accessed, interpreted, clarified as required and applied

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 TLIC0079A Operate a motive power unit within defined limits.

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 TLIC0079 Operate a motive power unit within defined limits

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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:

- communicating effectively with others
- 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
- modifying activities depending on operational contingencies, risk situations and environments
- operating electronic communications equipment to required protocol
- operating a motive power unit within defined limits
- reading and interpreting relevant instructions, procedures, information and signs.

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:

- emergency response procedures
- motive power unit controls, instruments and indicators, and their purpose, location and use
- procedures for:
 - managing safety and hazardous situations
 - operating and monitoring a motive power unit within defined limits
 - operating and monitoring ancillary equipment on a motive power unit

- rail transport operator defined limits within the rail corridor
- relevant rail danger zones
- relevant rail safety, work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations
- relevant sections of applicable state/territory legislated rail safety requirements, codes of practice and/or guidelines
- requirements for communicating and working collaboratively with relevant personnel
- speed and load limits for a motive power unit within the defined limits
- workplace procedures and operating requirements.

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 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 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 with terminology as defined by the relevant rail transport operator system of safeworking including workplace procedures, regulations, rules and codes of practice.

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