



Australian Government

TLIC0020 Operate and monitor a motive power unit

Release: 1

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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 operate and monitor a motive power unit in accordance with relevant workplace procedures, rail regulations and codes of practice.

It includes operating motive power unit controls, monitoring performance and maintaining operational condition during a journey. It also includes working collaboratively with other train crew and relevant personnel.

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 maintaining the safety and operation of 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 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 handling techniques, and track and road knowledge are applied to eliminate or minimise risk of injury to personnel or damage to equipment, rolling stock and load
 - 1.2 Acceleration and braking techniques are applied safely within track, road and weather conditions
 - 1.3 Hazards are identified, risks assessed and risk control measures implemented
 - 1.4 Motive power unit and rolling stock movement between sections is monitored and vehicles are positioned safely in accordance with relevant codes of practice and system of safeworking
- 2 Operate and monitor on-board equipment**
 - 2.1 Motive power unit equipment is monitored and operated to maintain optimum running conditions and to identify faults, defects and deficiencies
 - 2.2 Appropriate actions are taken in response to identified faults, defects and deficiencies to ensure safe operation of motive power unit, including communications with network control officer in accordance with workplace procedures
 - 2.3 Faults, defects and deficiencies are assessed to determine risk of damage to equipment or injury to personnel
- 3 Respond effectively to external operating factors**
 - 3.1 Instructions are verified, as required, interpreted and followed in accordance with relevant codes of practice, rail regulatory requirements and workplace policies and procedures, to ensure that actions taken are appropriate and safe
 - 3.2 Fixed, in-cab, hand signals, verbal movement commands and/or Automatic Train Protection/Control (ATP/C) equipment are interpreted and followed in accordance with relevant codes of practice, system of safeworking, and workplace policies and procedures
 - 3.3 Hazardous situations are recognised and interpreted, and appropriate initiatives and actions are taken to minimise risk to personnel and equipment in accordance with workplace procedures and applicable regulatory requirements
- 4 Work collaboratively**
 - 4.1 Safe operation and monitoring of motive power unit is maintained in collaboration with relevant personnel in accordance with workplace procedures and applicable regulatory requirements
 - 4.2 Potential or actual conflicts or grievances with train crew,

network control officer and other relevant personnel when operating motive power unit are recognised and resolved in accordance with workplace procedures

- 4.3 Rail resource management principles are applied, as required, in rail operations involving motive power unit in accordance with workplace procedures
- 4.4 Regular communication is maintained with train crew, network control officer, drivers of other trains and other relevant personnel when operating motive power unit in accordance with workplace procedures and regulatory requirements
- 4.5 Train crew, network control officer, drivers of other trains and other relevant personnel are advised of operational problems, delays, and safety incident and emergency situations
- 4.6 Information provided by train crew, network control officer, drivers of other trains and other relevant personnel relevant to ongoing operation of motive power unit is interpreted and applied to driving activities in accordance with workplace procedures and applicable regulatory requirements

5 Follow all applicable rail regulatory requirements

- 5.1 Rail regulatory requirements applicable to operating motive power unit, and train and track or road concerned are accessed, clarified, as required, and interpreted
- 5.2 Relevant rail regulatory requirements are applied and followed when operating motive power unit
- 5.3 Rail resource management principles are applied in all rail operations involving motive power unit in accordance with workplace procedures and applicable rail regulatory 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 TLIC4026 Operate and monitor 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>