



Australian Government

TLIC4026 Operate and monitor a motive power unit

Release: 1

TLIC4026 Operate and monitor a motive power unit

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

Not applicable.

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
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| 1 Operate motive power unit | <ul style="list-style-type: none">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 load1.2 Acceleration and braking techniques are applied safely within track, road and weather conditions1.3 Hazards are identified, risks are assessed and risk control measures are implemented1.4 Motive power unit and rolling stock movement between sections is monitored and vehicles are positioned safely in accordance with relevant codes of practice, safeworking systems and related requirements |
| 2 Operate and monitor on-board equipment | <ul style="list-style-type: none">2.1 Motive power unit equipment is monitored and operated to maintain optimum running conditions and to identify faults, defects and deficiencies2.2 Appropriate action is taken in response to identified faults, defects and deficiencies to ensure safe operation of motive power unit, including communications with Network Control Officer as required2.3 Faults, defects and deficiencies are assessed to determine risk of damage to equipment or injury to personnel |
| 3 Respond effectively to external operating factors | <ul style="list-style-type: none">3.1 Instructions are verified as required, interpreted and followed, in accordance with relevant codes of practice, rail regulatory requirements and organisational policies and procedures, to ensure that actions taken are appropriate and safe3.2 Fixed and hand signals, and verbal movement commands are interpreted and followed, in accordance with relevant codes of practice, safeworking systems and organisational policies and procedures, to ensure actions taken are appropriate and safe3.3 Hazardous situations are recognised and interpreted and appropriate initiatives and action are taken to minimise risk to personnel and equipment in accordance with workplace procedures and applicable regulatory requirements |
| 4 Work collaboratively | <ul style="list-style-type: none">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 requirements4.2 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 all 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.

Non-essential conditions can be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to TLIC4026A 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>