



Australian Government

TLIC4019 Drive train to operational requirements

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 drive a train to operational requirements in accordance with safeworking and regulatory requirements, and workplace procedures.

It includes applying train management techniques to manage the movement of a train and, as the driver of a motive power unit, to conduct all movements and related activities required to achieve operational requirements. It also includes responding effectively to external factors and emergencies, handing over a train to a relief crew and stabling it at the end of a journey.

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 driving trains as part of workplace activities across a variety of operational contexts within the Australian rail systems.

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 Performance criteria describe the performance needed to

essential outcomes.

demonstrate achievement of the element.

1 Drive train efficiently and effectively

- 1.1 Motive power unit is operated in accordance with relevant codes of practice, workplace procedures and instructions
- 1.2 Motive power unit is operated safely within track/road characteristics and conditions, to minimise wear and fuel use and to avoid damage
- 1.3 Train is driven with due care for passenger comfort and/or condition of freight
- 1.4 Performance of equipment and rolling stock is monitored to maintain optimum running conditions and to identify faults, defects and inefficiencies
- 1.5 Relevant codes of practice, work health and safety (WHS)/occupational health and safety (OHS) and environmental requirements are followed to prevent injury and damage

2 Complete train journey in accordance with operational requirements

- 2.1 Train documentation is received, interpreted and followed
- 2.2 Train is operated in accordance with documentation and procedures
- 2.3 Events and circumstances affecting planned running schedule are communicated to relevant personnel en route
- 2.4 Relevant codes of practice, safeworking and signalling requirements are followed throughout train operations
- 2.5 Network control officer instructions are received, interpreted and applied to ensure safe and effective control of train
- 2.6 Communications are maintained with network control officer and other relevant personnel during train journey in accordance with relevant codes of practice and safeworking systems
- 2.7 Instructions concerning train operation are given to relevant personnel to ensure safe and efficient running

3 Respond to changed external operating factors

- 3.1 Instructions regarding changed external operating factors are verified, interpreted and followed, in accordance with relevant codes of practice, safeworking systems, and organisational policies and procedures, to ensure actions taken are appropriate and safe
- 3.2 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 safe

3.3 Hazardous situations are recognised and appropriate action is taken to minimise risk to passengers/freight and equipment

3.4 Emergency situations are recognised and actions are taken that are appropriate and safe

4 Prepare train for crew handover

4.1 Relevant personnel are advised of condition and location of train

4.2 Documentation is updated and faults identified en route are reported to relevant personnel in accordance with established policies and procedures

4.3 Incidents or unusual occurrences are recorded and reported to relevant personnel in accordance with workplace policies and procedures

5 Stable train

5.1 Location for stabling of train is confirmed with relevant personnel

5.2 Train is shunted and secured in accordance with directions, workplace procedures and relevant rail regulations

5.3 Safety devices are activated or put in position to ensure safety of personnel and equipment

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 TLIC4019A Drive train to operational requirements.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851>