



Australian Government

TLIC4072 Operate and monitor a motive power unit on a main line

Release: 1

TLIC4072 Operate and monitor a motive power unit on a main line

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 on a main line in accordance with safeworking requirements, network owner and/or organisational policies and procedures.

It includes driving, monitoring and controlling train running and responding to changing operating factors on a railway main line. It also includes stabling or handing over a motive power unit in accordance with organisational requirements.

This unit can be applied to single motive power units or multiple consist freight, heavy haul or passenger trains.

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 Drive and monitor train | 1.1 Motive power unit is operated in accordance with manufacturer instructions, and organisational policies and procedures |
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- 1.2 Motive power unit is operated safely with consideration of train consist and loading to minimise wear and fuel use, and to avoid damage
 - 1.3 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
 - 1.4 Hazards are identified, risks are assessed and risk control measures are implemented
 - 1.5 Equipment and rolling stock are monitored to maintain optimum running conditions and to identify faults, defects and inefficiencies
 - 1.6 Appropriate action is taken in response to identified faults, defects and deficiencies to ensure safe operation of motive power unit
- 2 Control and monitor train running**
- 2.1 Events and circumstances affecting planned running schedule are communicated to relevant personnel in accordance with organisational policies and procedures
 - 2.2 Instructions received from network control officer, are interpreted and applied to ensure safe and effective control of train
 - 2.3 Communications are maintained with relevant personnel during train journey in accordance with relevant safeworking systems, network requirements, and organisational policies and procedures
 - 2.4 Instructions concerning train operation are given to relevant personnel to ensure safe and efficient running
- 3 Respond to changed operating factors**
- 3.1 Instructions regarding changed operating factors are confirmed, interpreted and followed, in accordance with safeworking systems, network owner requirements, and organisational policies and procedures
 - 3.2 Temporary signs and/or signals, hand signals and verbal movement commands are interpreted and followed, in accordance with safeworking systems, network owner requirements, and organisational policies and procedures
 - 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 in accordance with safeworking systems, network owner requirements, and organisational policies and procedures
- 4 Stable or**
- 4.1 Train is stabled in accordance with safeworking system

handover train requirements, operational instructions and organisational procedures

- 4.2 Safety devices are activated or put in position in accordance with organisational policies and procedures
- 4.3 Prior to stabling/handover, documentation relevant to train and activities undertaken en route is updated and provided to relief crew or completed and forwarded to appropriate personnel, in accordance with organisational policies and procedures
- 4.4 Prior to stabling/handover, relevant housekeeping activities are completed in accordance with organisational policies and procedures
- 4.5 Relevant personnel are advised of condition and location of train in accordance with organisational policies and procedures
- 4.6 Incidents or unusual occurrences are recorded and reported to relevant personnel in accordance with organisational policies and procedures

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 TLIC4072A Operate and monitor a motive power unit on a main line.

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 TLIC4072 Operate and monitor a motive power unit on a main line

Modification History

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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 action to report, isolate, repair or replace identified defective equipment in accordance with organisational procedures
- identifying job hazards and taking required action 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
- operating and adapting to differences in equipment in accordance with standard operating procedures
- operating and monitoring a motive power unit on a main line
- reading and interpreting instructions, procedures and information relevant to train operations
- selecting and using relevant equipment and materials
- selecting and using required personal protective equipment conforming to industry and work health and safety (WHS)/occupational health and safety (OHS) standards
- working collaboratively with others
- working systematically with required attention to detail without injury to self or others, or damage to goods or equipment.

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:

- appropriate motive power unit and rolling stock systems
- emergency workplace procedures
- problems that can occur with train operations and action that should be taken
- procedures for fixed and hand signalling, and voice communication
- relevant documents
- relevant environmental protection legislation, regulations and procedures
- relevant legislated rail safety requirements, codes of practice and/or guidelines
- relevant WHS/OHS legislation, regulations and procedures
- safeworking systems and requirements.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the *Standards for Registered Training Organisations* current at the time of assessment.

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Practical assessment must occur in an appropriate range of situations on a railway main line.

A simulator assessment is not suitable for the final assessment of this unit of competency

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 include:

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals.

Links

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