



Australian Government

TLIC3039 Operate and monitor a monorail train

Release: 1

TLIC3039 Operate and monitor a monorail train

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 monorail train in accordance with relevant workplace practices, regulations and codes of practice.

It includes planning and identifying a monorail train for operations, operating a monorail train, monitoring a monorail train's performance during service, and communicating effectively with Network Control Officer and other 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 under minimal supervision, generally within a team environment. It involves the application of routine operational principles and procedures when operating and monitoring a monorail train across a variety of operational contexts.

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

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1 Prepare for monorail train operations**
 - 1.1 Driving requirement is identified and confirmed from roster, shift card or other authorised documentation
 - 1.2 Sign-on/log-on procedures at the depot are completed and monorail train to be operated is correctly identified
 - 1.3 Essential equipment is identified and obtained
- 2 Operate and monitor monorail train in normal operational mode**
 - 2.1 Monorail train is operated within specifications and organisational requirements to meet required schedules and special services
 - 2.2 On-board equipment is confirmed as being serviceable, and is operated in accordance with specifications and organisation requirements
 - 2.3 Warning devices and gauges are monitored and responded to in accordance with organisational requirements
 - 2.4 Operational restrictions established by the organisation and relevant legislation are observed
 - 2.5 Monorail train is stopped in designated and approved locations and within limitations, to permit safe embarkation and alighting of all passengers
- 3 Operate monorail train in abnormal situations**
 - 3.1 In an abnormal situation, Network Control Officer is contacted and their instructions are requested
 - 3.2 Appropriate mode of operation is selected and implemented when authorised by Network Control Officer
 - 3.3 All instructions from Network Control Officer are followed
- 4 Monitor on-board equipment**
 - 4.1 Equipment is monitored to maintain optimum running conditions and to identify faults, defects and deficiencies
 - 4.2 Appropriate action is taken in response to identified faults, defects and deficiencies to ensure safe operation of monorail train, including communications with Network Control Officer as necessary
 - 4.3 Faults, defects and deficiencies are assessed as instructed by Network Control Officer, to determine risk of damage to equipment or injury to personnel
 - 4.4 Defects are reported and/or recorded

5 Communicate with Network Control Officer

- 5.1 Regular communication is maintained with Network Control Officer when operating monorail train in accordance with workplace procedures and regulatory requirements
- 5.2 Network Control Officer is advised of operational problems, delays, safety incidents and emergency situations
- 5.3 Relevant information provided by Network Control Officer is interpreted and applied to driving activities in accordance with workplace procedures and applicable regulatory requirements

6 Follow all applicable regulatory requirements

- 6.1 Regulatory requirements applicable to operating monorail train are accessed and interpreted
- 6.2 Relevant regulatory requirements are applied and followed when operating monorail train

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 TLIC3039A Operate and monitor a monorail train.

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 TLIC3039 Operate and monitor a monorail train

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:

- applying track and road knowledge when driving a monorail train
- communicating effectively with Network Control Officer
- completing relevant documentation
- identifying and assessing train defects and deficiencies, and taking appropriate action to report identified defective equipment in accordance with workplace procedures
- identifying job hazards and taking required action to minimise, control or eliminate identified hazards
- implementing contingency plans
- interpreting and following instructions
- reading and interpreting relevant instructions, procedures, information and signs
- recognising problems that may arise and taking appropriate action
- working collaboratively with others.

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 procedures
- monorail train controls, instruments and indicators and their purpose, location and use including controls to start, accelerate, decelerate and stop the train
- monorail train monitoring devices, braking and drive equipment and ancillary systems
- monorail train operating characteristics, capabilities and limitations including all modes of operation
- procedures for adjusting controls to maximise efficient and safe running
- procedures for identifying equipment defects and assessing for appropriate action

- procedures for managing safety incidents and hazardous situations
- procedures for operating and monitoring ancillary equipment on the train
- procedures for operating and monitoring monorail train
- relevant safety, work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations
- track limitations, speed limitations, curves and gradients and location of indicators
- typical defects that can occur on a monorail train and related action that should be taken.

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 in the workplace.

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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