



Australian Government

TLIC2075 Drive and monitor medium or heavy self-propelled on-track equipment

Release: 1

TLIC2075 Drive and monitor medium or heavy self-propelled on-track equipment

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 and monitor medium/heavy self-propelled on-track equipment in accordance with safeworking requirements, network owner and/or organisational policies and procedures.

It includes driving and monitoring medium/heavy self-propelled on-track equipment, controlling and monitoring medium/heavy self-propelled on-track equipment, and responding to changed operating factors.

Medium/heavy on-track equipment generally weighs more than 10 tonnes and is permanently railed. Medium/heavy self-propelled track vehicles may include:

- ballast cleaner
- ballast regulator
- dynamic stabiliser
- inserter/remover (TR10)
- rail crane
- rail grinder
- spot tamper
- tamper
- track layer
- track recorder.

People achieving competence in this unit will need to fulfil the applicable state/territory legislated rail safety requirements and to comply with any codes of practice and/or guidelines as they apply to driving and monitoring medium or heavy self-propelled on-track equipment.

This unit does not cover operating medium/heavy self-propelled on-track equipment to complete work activities. This must be covered by individual assessments for the equipment concerned.

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.

1 Drive and monitor medium/heavy self-propelled on-track equipment

2 Control and monitor medium/heavy self-propelled on-track equipment

PERFORMANCE CRITERIA

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

- 1.1 Authority is obtained from relevant personnel to travel vehicle in accordance with network owner procedures
 - 1.2 Vehicle is driven in accordance with manufacturer instructions and organisational procedures
 - 1.3 Vehicle handling techniques are applied to eliminate or minimise risk of injury to personnel or damage to equipment
 - 1.4 Vehicle is monitored and faults, defects and inefficiencies are identified to maintain optimum running conditions
 - 1.5 Appropriate action is taken in response to identified faults, defects and inefficiencies to ensure safe operation of vehicle
- 2.1 Events and circumstances affecting planned running schedule are communicated to relevant personnel in accordance with organisational procedures
 - 2.2 Instructions received from relevant personnel are interpreted and applied to ensure safe and effective control of vehicle
 - 2.3 Communications are maintained with relevant personnel during train journey in accordance with relevant safeworking systems, network requirements and organisational procedures

- 2.4 Instructions concerning vehicle operation are given to relevant personnel to ensure safe and efficient running
- 3 Respond to changed operating factors**
 - 3.1 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 procedures
 - 3.2 Hazardous/emergency situations are recognised and appropriate actions are taken in accordance with safeworking systems, network owner requirements and organisational 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 TLIC2075A Drive and monitor medium or heavy self-propelled on-track equipment.

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 TLIC2075 Drive and monitor medium or heavy self-propelled on-track equipment

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 relevant safeworking and organisational procedures
- communicating effectively with others
- 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
- monitoring medium or heavy self-propelled on-track equipment in accordance with manufacturer instructions and organisational procedures
- operating and adapting to differences in equipment in accordance with operating procedures
- reading and interpreting instructions, procedures and information relevant to vehicle operations
- responding to trackside signs and signals in accordance with safeworking systems and workplace procedures
- using correct communications protocols
- 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:

- emergency management plans and procedures
- relevant medium or heavy self-propelled on-track equipment manufacturer specifications and organisational procedures

- relevant rail danger zones and safeworking system
- relevant work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations
- relevant sections of state/territory legislated rail safety requirements, codes of practice and guidelines
- use of communications equipment in accordance with operational procedures and rail safeworking systems .

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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Assessment must occur on a medium/heavy self-propelled on-track vehicle in workplace operational situations or, where this is not available, in simulated workplace operational situations that replicate rail corridor workplace conditions.

Vehicles may include:

- attached rolling stock
- single medium/heavy self-propelled on-track equipment
- vehicles coupled together.

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 and terminology as defined by the relevant Rail Infrastructure Manager safeworking system including workplace procedures, regulations, rules and codes of practice.

Links

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