



Australian Government

# **TLIC2058 Travel medium or heavy self-propelled on-track equipment**

Release: 2

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## Modification History

**Release 2.** This is the second release of this unit of competency in the TLI Transport and Logistics Training Package:

- Minor on-track word changes in unit Application
- Minor on-track word changes in Performance Criteria
- Minor on-track word changes in Performance Evidence
- Minor on-track word changes in Knowledge Evidence
- Minor statement changes in Assessment Conditions.

**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 travel a medium or heavy self-propelled on-track vehicle on a rail network in accordance with the rail network owner policies and procedures.

It includes performing pre-operating checks, obtaining appropriate authority to travel, stabling medium or heavy self-propelled on-track vehicle, performing post-operational procedures and completing documentation.

This unit involves the application of Rail Infrastructure Manager operational procedures to travel a medium or heavy self-propelled on-track vehicle, as part of workplace activities across a variety of operational contexts.

Medium or heavy self-propelled on-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 relevant codes of practice and/or

guidelines to operate each individual piece of equipment.

Operators will need to have fulfilled licence and certification requirements for the type of equipment being used.

## Pre-requisite Unit

Not applicable.

## Competency Field

C – Vehicle Operation

## Unit Sector

Rail sector.

## 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 Perform pre-operational checks**

- 1.1** Hazards are identified, risks assessed and control measures implemented
- 1.2** Detailed pre-operational checks are conducted in accordance with manufacturer specifications and organisational procedures
- 1.3** Logbooks are checked and completed in accordance with organisational requirements and manufacturer specifications
- 1.4** Problems are identified and rectified in accordance with organisational procedures
- 1.5** Identified problems are reported and documented in accordance with organisational procedures

#### **2 Obtain appropriate authority to travel**

- 2.1** Authority is obtained from appropriate person to travel from siding or on/off tracking location to designated location in accordance with Rail Infrastructure Manager procedures

- |                                                                 |            |                                                                                                                                                                                                                    |
|-----------------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                 | <b>2.2</b> | Communications with Network Control Officer is maintained using appropriate communications protocols and systems, in accordance with Rail Infrastructure Manager requirements and workplace procedures             |
|                                                                 | <b>2.3</b> | Authority to travel is recorded in accordance with organisational procedures                                                                                                                                       |
| <b>3 Travel vehicle</b>                                         | <b>3.1</b> | Vehicle is travelled in a safe and efficient manner in accordance with relevant codes of practice, safeworking systems, manufacturer specifications, and organisational and Rail Infrastructure Manager procedures |
|                                                                 | <b>3.2</b> | Contingencies are responded to appropriately                                                                                                                                                                       |
| <b>4 Stable medium or heavy self-propelled on-track vehicle</b> | <b>4.1</b> | Approval is requested from appropriate person to stable self-propelled on-track vehicle                                                                                                                            |
|                                                                 | <b>4.2</b> | Nominated stabling location and timing is confirmed                                                                                                                                                                |
|                                                                 | <b>4.3</b> | Vehicle is moved to nominated stabling location                                                                                                                                                                    |
|                                                                 | <b>4.4</b> | Appropriate person is contacted and informed that vehicle is at nominated location and intact                                                                                                                      |
|                                                                 | <b>4.5</b> | Vehicle is stabled as directed and left in appropriate manner to ensure security and protection of vehicle and ancillary equipment                                                                                 |
| <b>5 Perform post-operational procedures</b>                    | <b>5.1</b> | Post-operational checks are conducted in accordance with manufacturer specifications and organisational procedures, to identify defects and maintenance requirements                                               |
|                                                                 | <b>5.2</b> | Identified problems are reported in accordance with organisational procedures                                                                                                                                      |
|                                                                 | <b>5.3</b> | Post-operational service schedules are conducted in accordance with organisational procedures                                                                                                                      |
| <b>6 Complete documentation</b>                                 | <b>6.1</b> | Required documentation procedures and processes are confirmed                                                                                                                                                      |
|                                                                 | <b>6.2</b> | Documentation is filled in legibly and proofread                                                                                                                                                                   |
|                                                                 | <b>6.3</b> | Documentation is processed in accordance with workplace 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.

## Unit Mapping Information

This unit replaces and is equivalent to TLIC2058A Travel 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 TLIC2058 Travel medium or heavy self-propelled on-track equipment

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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 three separate occasions and include:

- applying relevant safeworking and workplace procedures
- communicating effectively with others when travelling medium or heavy self-propelled on-track vehicles
- following operational instructions
- identifying job hazards and taking required actions to minimise, control or eliminate identified hazards
- modifying activities depending on operational contingencies, risk situations and environments
- reporting and rectifying within limits of own role, identified problems, faults or malfunctions, in accordance with regulatory requirements and workplace procedures
- working collaboratively with others when travelling medium or heavy self-propelled on-track vehicles.

## 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
- hazards that may exist when travelling medium or heavy self-propelled on-track vehicles, and ways of controlling the risks involved
- organisational procedures for travelling medium or heavy self-propelled on-track vehicles

- problems that may occur when travelling medium or heavy self-propelled on-track vehicles, and actions that can be taken to report or resolve these problems
- Rail Infrastructure Manager rules and regulations applicable to track protection
- relevant rail danger zones
- relevant rail safety, work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations
- types of medium or heavy self-propelled on-track vehicles.

## Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Practical assessment must occur on medium or heavy self-propelled on-track equipment in an appropriate range of situations in the workplace.

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 must include access to:

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) 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.

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