



**Australian Government**

# **TLIC0010 Propel and operate light on-track equipment**

**Release: 1**

# TLIC0010 Propel and operate light 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 propel and operate light on-track equipment as part of workplace activities across a variety of rail operational contexts.

It includes performing pre-operational equipment checks, obtaining approval to place equipment on-track, operating light equipment on-track and stabling or moving equipment off track.

Light on-track equipment is considered to be less than 10 tonnes that may be lifted on or off track mechanically and may include:

- ballast scarifiers
- dog screw setters/drivers
- joint lifters
- multi-spindle borers
- power track jacks
- profile grinders
- rail-mounted compressors
- small sleeper spacers
- spike drivers
- spike pullers (ride on)
- various fastening applicators.

Light on-track equipment requires a basic operator skill level in manipulation, coordination, alignment and functional activity, with little complexity or variance in overall activity. This typically covers equipment carrying out basic repetitive and alignment type activities.

People achieving competence in this unit will need to fulfil the applicable state/territory legislated rail safety requirements, to comply with relevant codes of practice and/or guidelines, and to meet organisational requirements to operate each individual piece of equipment.

Operators will need to have fulfilled licence and/or 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.

<b>1 Perform pre-operational equipment checks</b>	<p><b>1.1</b> Hazards are identified, risks assessed and control measures implemented</p> <p><b>1.2</b> Detailed pre-operational equipment checks are conducted in accordance with manufacturer specifications and organisational procedures</p> <p><b>1.3</b> Logbooks are checked and accurately completed, as required, in accordance with organisational requirements and manufacturer specification</p> <p><b>1.4</b> Problems with equipment are identified and rectified in accordance with workplace procedures</p> <p><b>1.5</b> Identified problems are reported and documented in accordance with organisational procedures</p>
<b>2 Obtain approval to place equipment on-track</b>	<p><b>2.1</b> Protection Officer or Person in Charge of Work (PICOW) is contacted to obtain approval to place light on-track equipment on-track and to move it to designated location in accordance with Rail Infrastructure Manager procedures</p> <p><b>2.2</b> Communications with Network Control Officer is maintained using appropriate communications systems in accordance with Rail Infrastructure Manager procedures</p> <p><b>2.3</b> Approval is recorded in accordance with organisational procedures</p>
<b>3 Operate light equipment</b>	<p><b>3.1</b> On-track equipment is travelled to designated location in</p>

- on-track** accordance with Rail Infrastructure Manager procedures
- 3.2** On-track equipment is prepared for work
  - 3.3** On-track equipment is operated in a safe and efficient manner in accordance with relevant codes of practice, safeworking systems, manufacturer and organisational procedures
  - 3.4** On-track equipment is operated to meet organisational standards and specifications
  - 3.5** Warning systems are monitored and appropriately responded to as required during operation
- 4 Stable or off-track equipment**
- 4.1** Protection Officer or PICOW is contacted to direct where and when to stable or off-track equipment
  - 4.2** On-track equipment is propelled to nominated stabling or off-track location
  - 4.3** Equipment is stabled or off-tracked as directed
  - 4.4** Protection Officer or PICOW is contacted and informed when light on-track equipment is stabled or off tracked
  - 4.5** Equipment is left stored in appropriate manner and location to ensure security and protection of equipment
- 5 Perform post-operational equipment procedures**
- 5.1** Post-operational equipment checks are conducted in accordance with manufacturer specifications and organisational procedures to identify defects and maintenance requirements
  - 5.2** Identified problems are reported in accordance with organisational procedures
  - 5.3** Post-operating service schedules are conducted in accordance with organisational procedures
- 6 Complete documentation**
- 6.1** Logbooks are checked and completed as required
  - 6.2** Documentation is completed and processed in accordance with 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.

## **Unit Mapping Information**

This unit replaces and is equivalent to TLIC2059 Propel and operate light 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>