



**Australian Government**

# **TLIC3005 Drive heavy combination vehicle**

**Release: 1**

# TLIC3005 Drive heavy combination vehicle

## 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 a heavy combination vehicle safely.

It includes maintaining systematic and efficient control of all vehicle functions, monitoring traffic and road conditions, managing vehicle condition and performance, coupling and uncoupling a trailer, and effectively managing hazardous situations.

Driving must be carried out in accordance with relevant state/territory roads and traffic authority licence requirements and regulations for heavy combination vehicles.

Driving is performed with limited supervision, and duty of care responsibility for self and others in achieving the prescribed outcomes.

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 heavy combination vehicle

### PERFORMANCE CRITERIA

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

- 1.1 Heavy combination vehicle is started, steered, manoeuvred, positioned and stopped in accordance with traffic regulations and manufacturer instructions

- 1.2 Engine power is managed to ensure efficiency and performance, and to minimise engine and gear damage
  - 1.3 Engine operation is maintained within the manufacturer specified torque range and temperature, through effective gear selection and smooth transition in gear changes
  - 1.4 Heavy combination vehicle braking system is managed and operated to ensure effective vehicle control under all conditions
  - 1.5 Driving hazards are identified and/or anticipated and avoided or controlled through defensive driving
  - 1.6 Heavy combination vehicle is driven in reverse, maintaining visibility and achieving accurate positioning
  - 1.7 Heavy combination vehicle is parked, uncoupled, shut down and secured in accordance with manufacturer specifications, traffic regulations and workplace procedures
  - 1.8 Over width and overweight permit applications are completed and submitted in accordance with relevant regulatory requirements as required
  - 1.9 Appropriate signage and lights are checked for operational effectiveness and for conformity to prescribed traffic regulations
  - 1.10 Appropriate procedures are followed in a driving emergency
- 2 Monitor traffic and road conditions**
- 2.1 Most efficient route of travel is taken by monitoring and anticipating traffic flows and conditions, road standards and other factors likely to cause delays or route deviations
  - 2.2 Traffic and road conditions are constantly monitored and acted on to enable safe operation and to ensure no injury to people or damage to property, equipment loads and facilities
- 3 Monitor and maintain vehicle performance**
- 3.1 Vehicle performance is maintained through pre-operational inspections and vehicle checks
  - 3.2 Prime mover and trailer are aligned and coupled in accordance with manufacturer instructions and workplace procedures
  - 3.3 Coupled vehicle is checked and tested to ensure it is correctly secured and to confirm it is fully operational

- 3.4 Performance and efficiency of vehicle operation is monitored during use
- 3.5 Defective or irregular performance or malfunctions are reported to appropriate authority
- 3.6 Vehicle records are maintained/updated and information 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.

Non-essential conditions can be found in the Companion Volume Implementation Guide.

## Unit Mapping Information

This unit replaces and is equivalent to TLIC3005A Drive heavy combination vehicle.

## Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851>