



Australian Government

TLIC3005 Drive heavy combination vehicle

Release: 2

TLIC3005 Drive heavy combination vehicle

Modification History

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

- 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 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

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to

essential outcomes.

demonstrate achievement of the element.

1 Drive heavy combination vehicle

- 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>

Assessment Requirements for TLIC3005 Drive heavy combination vehicle

Modification History

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

- 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.

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 map reading and road navigation techniques
- applying precautions and required actions to minimise, control or eliminate identified hazards
- checking and replenishing fluids and carrying out lubrication processes
- completing relevant documentation
- demonstrating low-risk driving behaviours
- monitoring and anticipating traffic hazards and taking appropriate action
- monitoring performance of vehicle, trailers and equipment, and taking appropriate action as required
- reading and interpreting relevant instructions, procedures, information and signs
- reporting and/or rectifying identified problems, faults or malfunctions promptly in accordance with regulatory requirements and workplace procedures.

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:

- causes and effects of fatigue on drivers
- differences between transmission types
- driving hazards and related defensive driving techniques
- efficient driving techniques
- engine power management and safe driving strategies
- factors that increase fatigue-related accidents
- factors that may cause traffic delays and diversions, and related actions that can be taken
- fatigue management strategies including on-road techniques
- heavy combination vehicle controls, instruments and indicators, and their use
- heavy combination vehicle handling procedures

- lifestyles that promote effective long-term fatigue management
- map reading and navigation of vehicle and related action
- pre-operational checks carried out on heavy combination vehicle and related actions
- principles of operation of air brakes and procedures for their use
- principles of stress management when driving a vehicle
- procedures to be followed in a driving emergency
- relevant state/territory road and traffic authority road rules, regulations, permits and licence requirements
- relevant work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations
- workplace driving and operational instructions.

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.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

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.

Assessment of this unit may be undertaken within a licensing examination conducted, by or under the authority of, the relevant state/territory road and traffic authority.

Resources for assessment must include:

- a range of relevant exercises, case studies and/or simulations
- relevant materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851>