

Change log

Section	Comment (major change)
Title	Updated unit number
Application	Supervision changed to under supervision until competent stronger legislative wording clear statement, unit does not provide a licence outcome, directs to licensing authority
Pre-requisite Unit	N/A
Elements and Performance Criteria	1.1 Addition of workplace procedures, 1.5 Added, to include hazards and emergencies + workplace procedures, 1.10 Added, Load is safely and effectively restrained (National Load Restraint Guidelines) 2.1 Added, anticipating traffic conditions, 3.1 Added, manufacturer instructions and workplace procedures, 3.2 and 3.3 Added, coupling and testing of coupled vehicle 3.6 Expanded, record keeping drive logs and information processing
Foundation Skills	Foundation skills information about unit has been added to a new TLI Foundation Skills Companion Volume
Range of Conditions	Removed. No longer a mandatory field
Performance Evidence	Added, Load restraint (new requirement), Broader vehicle performance monitoring
Knowledge Evidence	Minor improvements; stronger regulatory wording, navigation tech expanded and fatigue section clarified
Assessment Conditions	RTO compliance with VET regulator requirements removed as it is unnecessary in the unit. Resource requirements clearer, including: vehicle requirements, load (30–75%), PPE, simulation expectations
If no major change in any section	-

TLIC0041 Drive heavy combination vehicle

Modification History

Application

This unit involves the skills and knowledge required to drive a heavy combination vehicle safely compliance with relevant state/territory road and traffic authority licence requirements and regulations including road rules for heavy vehicles.

It includes consistently and efficiently controlling vehicle functions, monitoring traffic and road conditions, managing vehicle condition and performance, coupling and uncoupling dollies and trailers, and effectively managing hazardous situations, according to workplace procedures.

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

The primary legislative requirements applicable to this unit of competency are state/territory legislation in relation to road use and driver licensing.

This unit does not provide a licence outcome.

To achieve a licence candidates should complete the TLI Licence to drive a heavy combination vehicle and check with the state/territory driver licensing authority for eligibility, including licence tenure, driving experience and medical fitness requirements.

Pre-requisite Unit

Not applicable.

Competency Field

C – Vehicle Operation

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

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

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| 1 Drive heavy combination vehicle | <p>1.1 Heavy combination vehicle is started, steered, manoeuvred, positioned and stopped in accordance with traffic regulations, manufacturer instructions, and workplace procedures</p> <p>1.2 Engine power is managed to ensure efficiency and performance, and to minimise engine and gear damage, according to manufacturer instructions</p> <p>1.3 Engine operation is maintained within the manufacturer specified torque range and temperature, through effective gear selection and smooth transition in gear changes</p> <p>1.4 Heavy combination vehicle braking system is managed and operated to ensure effective vehicle control under all conditions</p> <p>1.5 Driving hazards and emergencies are identified and/or anticipated and avoided or controlled through defensive driving according to workplace procedures</p> <p>1.6 Heavy combination vehicle is driven in reverse, maintaining visibility and achieving accurate positioning</p> <p>1.7 Heavy combination vehicle is parked, uncoupled, shut down and secured in accordance with manufacturer specifications, traffic regulations and workplace procedures</p> <p>1.8 Over width and overweight permit applications are completed and submitted in accordance with relevant regulatory requirements, as required</p> <p>1.9 Appropriate signage and lights are checked for operational effectiveness and for conformity to prescribed traffic regulations</p> <p>1.10 Load is safely and effectively restrained according to National Load Restraint Guidelines and workplace procedures</p> |
| 2 Monitor traffic and road conditions | <p>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</p> |

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| | 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 checks, according to manufacture instructions and workplace procedures |
| | 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 | Ongoing performance and efficiency of vehicle operation is monitored during use |
| | 3.5 | Defective or irregular performance or malfunctions are reported according to workplace procedures |
| | 3.6 | Vehicle and drive log records are maintained/updated and information is processed in accordance with workplace procedures |

Foundation Skills

Foundation Skills essential to successful completion of this unit are mapped to the Australian Core Skills Framework (ACSF) and the European Digital Competence Framework (DigComp 3.0). Further information is available in the TLI Training Package Foundation Skills Companion Volume.

Unit Mapping Information

This unit replaces and is equivalent to TLIC3005 Drive heavy combination vehicle.

Links

Assessment Requirements for TLIC0041 Drive heavy combination vehicle

Modification History

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 and include:

- applying precautions and required actions to minimise, control or eliminate identified hazards
- carrying out pre-operational checks, according to manufacture instructions and workplace procedures
- Load is safely and effectively restrained according to National Load Restraint Guidelines and workplace procedures
- 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
- modifying driving activities depending on operational contingencies, risk situations and environments
- monitoring and anticipating traffic hazards and taking actions
- monitoring performance of vehicle, trailers and equipment, and taking appropriate action as required
- operating and adapting to differences in equipment in accordance with operating procedures
- reading and interpreting relevant workplace instructions, procedures, information and road signs
- reporting and/or rectifying identified problems, faults or heavy combination vehicle 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 the requirements of the elements and performance criteria and include knowledge of:

- fatigue management strategies and on-road techniques
- factors that increase fatigue-related accidents
- causes and effects of fatigue on drivers
- fatigue management strategies and on-road techniques
- lifestyles that promote effective long-term fatigue management

- relevant work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations
- differences between transmission types
- driving hazards and related defensive driving techniques
- efficient driving techniques
- engine power management strategies
- heavy combination vehicle controls, instruments and indicators, and their use
- heavy combination vehicle handling procedures
- pre-operational checks carried out on heavy combination vehicle and related actions, according to workplace procedures
- principles of operation of air brakes and procedures for their use
- principles of stress management when driving a heavy combination vehicle
- procedures to be followed in a driving emergency
- relevant state/territory road and traffic authority road rules, regulations, permits and licence requirements
- workplace driving and operational instructions.

Assessment Conditions

Assessment must occur in workplace operational situations in a heavy vehicle typical of that used in industry and on a variety of road 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.

Resources for assessment must include:

- a suitable heavy combination vehicle that meets relevant state/territory requirements
- a load and load restraint equipment that meet any relevant jurisdictional requirements for assessment
- 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