

Application Guide for Registered Training Organisations

TLIC4006 Drive Multi-combination Vehicle

The Department of Transport and Main Roads (TMR) recognises approved Registered Training Organisations (RTOs) to deliver TLIC4006 Drive multi-combination vehicle as the required unit of competency for the purposes of obtaining a multi-combination (MC) driver licence in Queensland.

The TLIC4006 Drive multi-combination vehicle competency is designed to ensure students acquire appropriate skill and knowledge to safely operate a multi-combination vehicle. This includes maintaining systematic and efficient control of all vehicle functions, coupling and uncoupling dollies, monitoring traffic and road conditions, managing vehicle condition and performance, and effectively managing hazardous situations.

TMR ensures the quality of the training and assessment resources meets industry standards and contains the technical content required by TMR to ensure optimal licence outcomes.

The Australian Skills Quality Authority (ASQA) ensures that RTOs delivering nationally recognised training comply with the VET Quality Framework.

1. Purpose

This guide is designed to assist RTOs seeking TMR approval to deliver TLIC4006 Drive multi-combination vehicle training and assessment for MC licence outcome in Queensland. It outlines the requirements RTOs must incorporate into their training and delivery resources to submit a complete application.

2. Application

In an application to TMR, RTOs must provide the following:

 A completed mapping matrix of training and assessment materials on the TMR template (see Attachment 1).





- The Training and Assessment Strategy associated with the delivery of TLIC4006 Drive multi-combination vehicle.
- Lesson plans for the delivery of TLIC4006 Drive multi-combination vehicle.
- All student learning resources to be used in the delivery of TLIC4006 Drive multi-combination vehicle.
- All assessment materials to be used to determine competence in TLIC4006
 Drive multi-combination vehicle, including the associated benchmark answers
 (marking guide).
- A road rules knowledge test of 50 questions and benchmark answers.
- Three (3) proposed test routes that will be used during the on-road final competency assessment.
- Resume and evidence of nominated trainer/s and/or assessor/s appropriate
 qualifications, skills and experience to deliver TLIC4006 Drive multi-combination
 vehicle.
- Evidence the RTO is based in Queensland with suitable classroom training facilities.
- Evidence the RTO owns or otherwise has access to MC vehicle/s which are roadworthy and appropriately registered, including at least one prime mover towing two semitrailers.

2.1 Mapping Matrix

For ease of reference and to enable an efficient review of the materials, it is a requirement that all learning and assessment materials submitted be included in a mapping matrix, and submitted as part of the application. The mapping matrix must reference each occasion where an element of the unit of competency is addressed in the learning resources and assessment materials.

Note: It is a requirement that the mapping matrix be completed on the TMR approved template, which is contained within this applicant guide (see Attachment 1).

2.2 Training and Assessment Strategy

The Standards for Registered Training Organisations (RTOs) 2015 (the Standards) describes the Training and Assessment Strategy as the approach of, and method





adopted by, an RTO with respect to training and assessment designed to enable students to meet the requirements of the training package or accredited course. The RTO Training and Assessment Strategy must meet all requirements of the Standards. In addition, TMR requires the Training and Assessment Strategy to include:

- Minimum driver licence class requirements for an applicant to be eligible to undertake TLIC4006 Drive multi-combination vehicle (eg: heavy rigid (HR) or heavy combination (HC) class)
- Minimum training and assessment duration to fulfil the following requirements:
 - For an applicant holding a class HR driver licence, at least 16 hours of training and assessment conducted over two (2) or more days, including a minimum of two (2) hours on-road final competency assessment; or
 - For an applicant holding a class HC driver licence, at least eight (8) hours of training and assessment, including a minimum of two (2) hours on-road final competency assessment.

2.3 Lesson Plans

Lesson plans are to be developed to guide trainers in the delivery of TLIC4006 Drive multi-combination vehicle and must consider separate pathways for students with a class HR driver licence and students with a class HC driver licence.

The lesson plans must cover the course overview, topics and content to be covered, including day and session timings. Lesson plans also must ensure the minimum duration for training and assessment has been addressed, including the minimum duration for the on-road final competency assessment.

2.4 Learning Resources

Learning resources includes all teaching and learning materials used by trainers, including any resources provided to students to aid in the development of relevant knowledge or skills. This may include lesson plans, workbooks, PowerPoint presentations, educational videos, content contained in a learning management system for online learning, or handouts.

TMR requires the learning resources for TLIC4006 Drive multi-combination vehicle to cover all relevant theory required to address the learning outcomes of the unit of





competency. In addition to the requirements of the TLIC4006 competency, technical content of the learning resources must also include at least the following:

- Three points of contact when entering and exiting the cabin
- Chain of responsibility
- Load restraint.

2.5 Assessment Materials

Assessment materials are to be developed in such a way that will enable an assessor to determine competence through identifiable and measurable knowledge, skills and behaviours. Assessment activities should clearly identify:

- Who: Define who is being assessed, and the role of any other persons that may contribute to the assessment, and in what capacity.
- What: Specify in detail the ways in which the student is required to demonstrate their competence. This must also include how many times the task must be repeated to demonstrate competency, if applicable, and to what standard.
 Specify any errors or omissions which will result in an unsatisfactory / not yet competent result.
- Where: Identify the environment, equipment and resources required to conduct the assessment.
- When: Define the timeframe for the assessment activity. How long will the assessment run?
- Why: Specify the standard of student performance for the assessment, and how this relates to the skillset. This will provide a guide to the assessor about specific requirements to observe and document when determining competency.
- How: Identify how the assessment will be conducted, including the sequence of assessment activities. This should also specify any arrangements or mechanisms for reasonable adjustment.

Assessment developed for the observation of performance/skills must be measurable and broken down into task-based behaviours. A copy of the performance criteria and/or performance evidence from the unit of competency into an observation checklist or similar is not considered adequate.





TMR requires the assessment materials, and associated benchmark answers, for TLIC4006 Drive multi-combination vehicle to cover all elements (performance criteria, knowledge evidence and performance evidence) required to address the expected outcomes of the unit of competency. In addition, assessment materials and associated benchmark answers must include at least the following technical content requirements:

- Safe reversing of a MC vehicle for a distance of approximately 70 meters in a straight line
- Load restraint.

2.6 On-road Final Competency Assessment

The assessment of performance criteria and evidence requirements of TLIC4006 Drive multi-combination vehicle is known as the on-road final competency assessment. The on-road final competency assessment should be developed in such a way that the performance criteria and evidence requirements of TLIC4006 Drive multi-combination vehicle are observed as task-based behaviours to determine the practical skill and assess the competence of a student.

An example of the level of detail expected is provided at Attachment 2. Please note, the example should be used as a guide only. It does not cover all performance criteria and evidence requirements, or TMR technical content requirements required to be assessed for TLIC4006 Drive multi-combination vehicle.

2.7 Road Rules Knowledge Test

The road rules knowledge test must demonstrate the student driver's ability to correctly interpret Queensland specific road rules, traffic situations and road use, in addition to heavy vehicle regulations. The test must be clearly identified as closed book with no assistance from learning or other resources, or other students.

A pass mark of 45 out of 50 questions is acceptable for the road rules knowledge test.

3. Trainer and Assessor Requirements

An application must provide evidence that prospective MC driver trainers and/or assessors meet the following requirements:

Hold a current MC licence, and





- Has obtained a TLI41310 / TLI41316 (or its successor) Certificate IV in Transport and Logistics (Road Transport – Heavy Vehicle Driving Instruction) qualification, and at least one of:
- TAE40110 / TAE40116 (or its successor) Certificate IV in Training and Assessment qualification, OR
- TAEASS401 Plan assessment activities and processes and TAEASS402 Assess competence OR
- TLISS00162 Driver Instructor Skill Set, and
- Has current experience and skills necessary to safely drive a MC vehicle.

After commencement as an approved RTO, further information will be requested, including:

- Evidence of staff induction and training
- RTO assessment of the first 10 student records of training and assessment delivered by each driver trainer/assessor, including any issues identified
- Submit first 10 student records of training and assessment delivered by each driver trainer/assessor.

4. Next Steps

Once TMR has received the complete application, all submitted materials will be assessed to ensure compliance with TMR requirements. TMR will make contact as required to obtain any further information which may be required to finalise the assessment.

If the application meets all requirements and is accepted, you will be notified in writing, and issued with a Service Provider Deed to sign. This Deed outlines all legal responsibilities associated with delivering training and assessment for MC licence outcomes in Queensland. It is the responsibility of RTOs to understand the contents of the Deed, and ensure compliance with these requirements at all times.

5. Additional Information

It is illegal to offer, request or accept gifts, rewards, money or other favours to obtain an MC licence without completing the required training and assessment. Penalties are severe and may include fines and imprisonment. All cases of bribery and





corruption will be reported and investigated, and strong action will be taken against all involved parties. This includes approved RTOs and their driver trainers/assessors.

If you believe that someone has provided or obtained, or is about to provide or obtain a Queensland Multi-combination class licence by offering or responding to a bribe, please contact the Industry Licensing Unit at: ILU@tmr.qld.gov.au. Contact can be made anonymously.

6. Reference Materials

<u>Transport Operations (Road Use Management) Act 1995</u>

<u>Transport Operations (Road Use Management—Road Rules)</u>
<u>Regulation 2009 Transport Operations (Road Use Management—Driver Licensing) Regulation 2021</u>

<u>Transport Operations (Road Use Management—Accreditation and Other Provisions) Regulation 2015 Code of Conduct for Queensland accredited driver trainers</u>

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Attachment 1: Mapping Matrix Template

Elements	Perf	ormance Criteria	Learner Guide Location and Page	TMR Corrective Action Requests	RTO Corrections Location and Page
			RTO to Complete		
1 Drive multi- combination vehicle	1.1	Multi-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 transmission damage			
	1.3	Multi-combination vehicle braking system is managed and operated to ensure effective control of vehicle under all conditions			
	1.4	Driving hazards are identified and/or anticipated and avoided or controlled through defensive driving			
	1.5	Multi-combination vehicle is driven in reverse, maintaining visibility and achieving accurate positioning			
	1.6	Multi-combination vehicle is parked, shut down, uncoupled and secured in accordance with manufacturer specifications, traffic regulations and workplace procedures			
	1.7	Appropriate signage and lights are checked for operational effectiveness and for conformity to prescribed traffic regulations			
	1.8	Appropriate procedures are followed in a driving emergency			





Е	Elements Performance Criteria		Learner Guide Location and Page	TMR Corrective Action Requests	RTO Corrections Location and Page	
2	Monitor traffic and road conditions	2.1	Most efficient and permissible 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	3.1	Vehicle performance is maintained through pre-operational inspections and vehicle checks			
	performance	3.2	Prime mover, dollies and trailer are aligned and coupled in proper sequence 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			





Performance Evidence	Theory Assessment Location and Page	TMR Corrective Action Requests	RTO Corrections Location and Page
	RTO to Complete		
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 precautions and required action to minimise, control or eliminate identified hazards 			
checking and replenishing fluids and carrying out lubrication processes			
completing relevant documentation			
monitoring and anticipating traffic hazards and taking appropriate action			
 monitoring performance of vehicle, its trailers and its equipment and taking appropriate action as required 			
 operating and adapting to differences in equipment in accordance with operating procedures 			
 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	Theory Assessment Location and Page	TMR Corrective Action Requests	RTO Corrections Location and Page
	RTO to Complete		
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			
lifestyles that promote effective long-term fatigue management			
map reading and road navigation techniques			
multi-combination vehicle controls, instruments and indicators, and their use			
multi-combination vehicle handling procedures			
pre-operational checks carried out on multi-combination vehicle and related actions			
principles of operation of air brakes and procedures for their use			
principles of stress management when driving a vehicle			
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.			





Attachment 2: On-road Final Competency Assessment example

Example Only

Task	Task Breakdown
External Safety Check	The student should locate, identify, inspect and/or describe:
The student is required to demonstrate appropriate levels of knowledge and understanding in this procedure.	 Tyres – minimum 1.5mm tread depth, not damaged, dual tyres not touching Rim – no dents in flanges, no loose lugs, rust rails, cracks in rims assembly Wheel nuts – all present, secure undamaged Spare wheel – location, condition, air pressure Drain prime mover air tanks Turntable coupling Vehicle or load height (whichever is the greater) Vehicle length Vehicle weight Fuel, oil, coolant, hydraulics Air leaks (where applicable) Air lines and cables must not be tangled, stretched or damaged All lights including signals and brake Load security: Restraint devices Positioning of load Height, width and length





Task	Task Breakdown
Cabin Drill The student is required to demonstrate appropriate levels of knowledge and ability in locating all adjustments for the safe operation of the vehicle.	The student should locate, identify and explain the function of: Seating position: Approach cabin from the front of the vehicle facing oncoming traffic Entre cabin using three points of contact Adjust seat Seat belt: Seat belt: Seat belts must meet Australian Design Rules Must be in good condition Mirrors: Must not be cracked or broken Correctly adjusted Maintenance: Cabin and trailer are clean free of loose articles Windows/ windscreen not damaged Door handles operational





Task	Task Breakdown
Cabin Drill (Cont.) The student is required to demonstrate appropriate levels of knowledge and ability in locating all adjustments for the safe operation of the vehicle.	The student must identify: Seat adjustment Engine start/stop systems Signals/hazard lights Washer/wipers Service brake Park brake Trailer brake Clutch Gear changing mechanism (including range selectors and splitters) Accelerator Steering device Warning device Demister/air conditioning Auxiliary brake switches/controls All lights Cab suspension adjustments Other items as applicable to the vehicle used for training/assessment.





Task	Task Breakdown
Vehicle Operation and Control	The student should demonstrate engine start and shut down procedures including:
The student should demonstrate the appropriate level of skill and knowledge to undertake the start and shut down procedure.	 Move off Ensure park brake is applied and: Ensure auxiliary braking system are turned off Gearbox is in neutral In a diesel heavy vehicle engine stop mechanism is in the start position. Switch on start heater and allow to warm Engage clutch Switch on ignition Activate the starter Check/monitor warning lights and gauges Move vehicle off
	Return to kerb Check mirrors Signal Apply service brake Stop smoothly, parallel to the kerb Apply park brake Select neutral Release clutch and foot brake Cancel signal
	 Check operational gauges Allow engine to idle (if required) Activate engine stop mechanism Turn off the engine Switch of ignition





Task	Task Breakdown
Vehicle Operation and Control (Cont.) The student should demonstrate the appropriate level of skill and knowledge to undertake the start and shut down procedure.	 Secure vehicle Check park brake is applied Remove key Check for traffic prior to opening door Exit vehicle using three (3) points of contact Secure door Leave the cab area by walking in a safe direction (shortest route preferably facing oncoming vehicles)
Gears	The student should not:
The student should demonstrate a suitable level of skill and knowledge in the correct use of appropriate gears. Includes Automatic transmission, Synchromesh and non-synchromesh transmissions.	 Attempt to change gears without using the clutch Select an inappropriate gear for the situation Excessively crash gears during gear changing Select an incorrect gear during gear changing up or down
Clutch The student should demonstrate the appropriate level of skill and knowledge to control the clutch when changing gears and operate the clutch in such a way that produces a smooth take up of power to the driving wheels.	The student should not: Continuously ride the clutch Coast with the clutch depressed prior or during a turn Operate the clutch incorrectly Stall repeatedly





Task	Task Breakdown
Steering	The student should:
The student should demonstrate a suitable level of skill and knowledge in maintaining control of the vehicle and in the operation of the steering device through the use of hand over hand or pull-push method of steering.	 Be in control of the vehicle at all times while driving Maintain correct road position Maintain a steady course Maintain kerb clearance Not mount the kerb, or roundabout unless the central traffic island is designed to allow a vehicle of that kind to be driven over it (QRR115(b))
Braking	The student should not:
The student should demonstrate a suitable level of skill and knowledge in the appropriate use of the braking system to slow the vehicle smoothly and progressively.	 Brake late Brake excessively Brake abruptly Fail to secure the vehicle when stationary Roll back on a grade
Road Position	The student should not:
The student should demonstrate a suitable level of skill and knowledge in the correct positioning of the MC vehicle on a road.	 Fail to stay within the chosen lane (in normal driving conditions) Drive unnecessarily over the centre line Fail to keep left where practical Overtake inappropriately





Task	Task Breakdown
Left Turn	The student should not:
The student should demonstrate an appropriate level of skill and knowledge in negotiating left turns including roundabouts, traffic lights, stop signs, give way signs and uncontrolled intersections. Vehicles 7.5m in length or more and displaying the appropriate signage may straddle the lane within 50m of the intersection (QRR28,32 & 111(8)).	 Take an inappropriate course when turning left. Cause other vehicles to take evasive action due to incorrect positioning Fail to keep to the left of centre after the turn
Right Turn	The student should not:
The student should demonstrate an appropriate level of skill and knowledge in negotiating right turns including roundabouts, traffic lights, stop signs, give way signs and uncontrolled intersections. Vehicles 7.5m in length or more and displaying the appropriate signage may straddle the lane within 50m of the intersection (QRR28, 32 & 111(8)).	 Take an inappropriate course when turning right. Cause other vehicles to take evasive action due to incorrect positioning Fail to keep to the left of centre during the turn
Observation/Scanning	The student should not:
The student should demonstrate an adequate level of knowledge and ability to observe and monitor the driving environment in all directions.	 Fail to observe the road space ahead, to the sides and to the rear Fail to scan an uncontrolled intersection Fail to scan an intersection with a control sign or signal including railway crossings





Task	Task Breakdown
Roundabouts	The student should:
The student should demonstrate an adequate level of knowledge and ability in negotiating a roundabout.	 Give way to traffic on the roundabout Give the correct signal as required when entering and leaving the roundabout.
Mirrors	The student should check the rear-view mirrors when:
The student should demonstrate a suitable level of skill and knowledge in the use of rear-view mirrors.	 Slowing Stopping Turning Changing lanes Diverging Merging Reversing
Signals	The student should give the appropriate signal when:
The student is required to give a signal in the correct direction and give sufficient warning to other road users including pedestrians.	 Turning Diverging Moving to the edge of the road or kerb Entering a line of traffic Moving off from a stationary position (for at least 5 seconds, QRR46(3))





Task	Task Breakdown
Hazard detection The student is required to identify and respond appropriately to any hazard or potential hazard during the course of any on road driving activity.	The student should respond appropriately to any identified hazard in a timely manner and consider the likelihood and consequences of any risk. They should identify reactive driver responses and identify vehicle responses and: Recognise the hazard Understand the defence Act in time
Low risk driving behaviours (LRD)	The student must:
The student is required to demonstrate appropriate driving behaviours which can effectively reduce risk.	 Maintain and protect crash avoidance space Continuously scan the road and traffic environment Adjust speed and position as required Maintain a safe gap (2 seconds as a guide) behind the vehicle in front under normal driving conditions. This gap should be increased when driving in adverse conditions
Speed	The student should not:
The student should travel at a speed compatible with the general flow of traffic under normal driving situations without exceeding the speed limit for that area.	 Drive too fast for the prevailing conditions Drive excessively or continually too slow for the prevailing conditions Exceed the speed limit by any margin





Task	Task Breakdown
Signs, signals and road markings	The student should:
The student is required to demonstrate knowledge and a thorough understanding of any regulatory road signs, traffic signals and road markings.	 Comply with any regulatory road signs, traffic signal or road marking Demonstrate appropriate knowledge and understanding of road signs, traffic signal or road marking
Reverse exercise	The student is required to:
The student is required to successfully demonstrate appropriate skills and ability in safely reversing a MC vehicle for a distance of approximately 70m in a straight line. Two attempts are permitted for this exercise with one correction on each attempt. Time allocated for this exercise is 10 minutes.	 Position vehicle parallel to the kerb Activate the hazard lights/reverse lights/warning device Maintain adequate observation Maintain a distance of approximately 1m from the edge line. sealed edge, or kerb Maintain sufficient clearance from overhead/roadside obstacles (e.g. trees, awnings, street lights) Secure the vehicle at the end Cancel warning device
Hill Start The student is required to successfully demonstrate appropriate skill and ability in stopping safely and starting when leaving the kerb on ascending and descending roads. The holding brake must be applied.	The student is required to: Check all mirrors Activate left signal Stop parallel to the kerb Position no less than 50cms from kerb Check all mirrors and blind spot Activate right signal Operate all controls smoothly and efficiently (rolling back is not permitted)





Task	Task Breakdown
Load Securing	The student is required to demonstrate one of the following:
The student is required to demonstrate a suitable level of skill and knowledge in the method for securing a load. This includes ropes, chains and dogs, winches/ratchets and straps.	 Truckies hitch Single or double shank/hitch Safely use load binders and ratchets Safely use winches and straps
Uncoupling a MC Vehicle	The student should demonstrate the correct sequence for uncoupling:
The student is required to demonstrate an appropriate level of knowledge and skill in performing this exercise including A and B trailers for MC vehicle.	 Apply park brake Secure wheel chocks (if vehicle is not fitted with a spring brake system) Lower trailer/drawbar support legs Disconnect/retract –
Note: If vehicle is fitted with airbag suspension where necessary operate air dump valve to prevent any damage to vehicle.	 Electrical cable Hydraulic lines Chains where applicable Brake hoses Release turntable jaws/pin coupling Drive prime mover forward approximately 25m

