



**Australian Government**

# **TLIC0031 Apply low risk car driving behaviours**

**Release: 2**

# TLIC0031 Apply low risk car driving behaviours

## Modification History

**Release 2.** This is the second release of this unit of competency in the TLI Transport and Logistics Training Package with minor changes to the unit application.

**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 apply low risk car driving behaviours.

It includes applying relevant legislation applicable to low risk car driving, and applying low risk car driving behaviours and strategies. It also includes explaining risk factors that contribute to collisions or incidents when driving a car and applying operation and car control skills.

This includes higher-order skills involving broad cognitive, technical, communication and vehicle management skills. It also requires knowledge about hazard perception, risk control and low risk driving behaviour, judgement, decision making and multi-tasking that builds on driver licence requirements across a range of vehicles and driving situations.

Low risk car driving behaviours are applied without supervision.

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

### PERFORMANCE CRITERIA

Elements describe the essential Performance criteria describe the performance needed to

outcomes.

demonstrate achievement of the element.

- |                                                                                             |                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1 Apply relevant legislation applicable to low risk car driving</b>                      | <b>1.1</b> Work health and safety (WHS)/occupational health and safety (OHS) regulatory requirements are adhered to prior to driving in order to eliminate or control hazards relating to the driving environment and equipment |
|                                                                                             | <b>1.2</b> Current and relevant road rules and applicable state/territory law and regulations are identified, interpreted and applied in a low risk manner                                                                      |
| <b>2 Apply low risk driving behaviours in a car</b>                                         | <b>2.1</b> Requirements for low risk car driving are applied                                                                                                                                                                    |
|                                                                                             | <b>2.2</b> Importance of attitude in complying with road rules in relation to level of risk faced by a driver is applied when driving a car                                                                                     |
|                                                                                             | <b>2.3</b> Importance of road sharing principles is applied when driving a car, including interacting with other road users, in accordance with road rules to ensure safe and efficient traffic flow                            |
|                                                                                             | <b>2.4</b> Importance of motivation to drive in a low risk manner is interpreted and explained                                                                                                                                  |
|                                                                                             | <b>2.5</b> Principles of low risk driving methods are identified and applied                                                                                                                                                    |
|                                                                                             | <b>2.6</b> Contributing risk factors to potential collision risks are identified and taken into consideration                                                                                                                   |
| <b>3 Apply low risk car driving strategies</b>                                              | <b>3.1</b> Contributing risk factors to forming opinions and beliefs about low risk driving are applied                                                                                                                         |
|                                                                                             | <b>3.2</b> Human factors that can influence low risk driving behaviour are outlined                                                                                                                                             |
|                                                                                             | <b>3.3</b> Low risk driving strategies are applied and their intent explained                                                                                                                                                   |
| <b>4 Explain risk factors that contribute to collisions or incidents when driving a car</b> | <b>4.1</b> Contributing risk factors to collisions or incidents are recognised                                                                                                                                                  |
|                                                                                             | <b>4.2</b> External and internal factors that could lead to collisions or incidents are outlined                                                                                                                                |
|                                                                                             | <b>4.3</b> Consequences of collisions or incidents in relation to relevant traffic laws and physical, financial and psychological costs to the individual and society are explained                                             |

|                                                 |            |                                                                                                                      |
|-------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------|
|                                                 | <b>4.4</b> | Functions of vehicle operations and controls and how to recover control of a vehicle are explained                   |
| <b>5 Apply operation and car control skills</b> | <b>5.1</b> | Appropriate actions are taken to identify and negotiate hazards in a low risk manner on various road surfaces        |
|                                                 | <b>5.2</b> | Principles of car control are applied to a high level of technical competence                                        |
|                                                 | <b>5.3</b> | Principles of car driving skills and techniques are applied to a high level of technical competence                  |
|                                                 | <b>5.4</b> | Principles of low risk car driving techniques and frameworks are carried out to a high level of technical competence |

## 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 TLI Transport and Logistics Training Package Companion Volume Implementation Guide.

## Unit Mapping Information

This unit replaces and is equivalent to TLIC3036 Apply safe car driving behaviours.

## 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 TLIC0031 Apply low risk car driving behaviours

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## Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria on at least one occasion and include:

- adapting to differences in vehicles, including their operations, controls and safety devices to maximise safety and efficiency
- applying advanced observation and scanning techniques including:
  - hazard awareness identification at short, mid and long ranges
  - removal of blind spot, natural eye blind spot and vision block out
  - selecting a legal and low risk lateral position in unlaned, multi-laned lanes, urban and rural roads
  - straight line driving, short, mid and long-range scanning techniques
- applying attention allocation techniques to maximise hazard awareness and negotiation
- applying correct selection and application of a braking system
- applying correct steering techniques to maximise stability and safety on rural and urban roads when turning or negotiating bends
- applying early position planning techniques that reduces braking distance on approach to hazards
- applying emergency high speed threshold braking techniques to minimise braking distance while maintaining vehicle safety and control
- applying high-level roadcraft skills to maximise road surface traction, vehicle stability in a low risk manner
- applying road rules when driving in a low risk and legal manner
- applying techniques on hazard approach and negotiation including:
  - hazard approach in a low risk manner
  - hazard identification, systems approach
  - hazard negotiation in a low risk manner
- applying thinking frameworks to systemise driving skills on approach to hazards
- applying work health and safety (WHS)/occupational health and safety (OHS), workplace procedures, requirements and practices
- approaching and negotiating low risk high speed bends with different cambers

- changing gears on any incline and decline, maximizing vehicle control, safety, driveline protection and operational efficiency on rural and urban roads
- complying with relevant legislative, regulatory and workplace procedures when driving
- conducting pre- and post-operational checks and related action on vehicles
- creating, adjusting and controlling 360-degree safety cushion to lower risk at all times
- diverging and merging left and right, in a low risk and legal manner, while maintaining maximum vehicle stability
- entering, exiting and traveling along a freeway in a low risk and legal manner
- evaluating risk, consequences and personal responsibility of own driving actions
- following operational instructions
- identifying risk factors that might impact on driving behaviours and implementing appropriate low risk driving response measures
- identifying, monitoring and anticipating traffic hazards and taking appropriate and timely action
- internalising techniques to reduce risk to self and others
- making necessary adjustments to suit driving environment
- manoeuvring a vehicle at slow speed
- monitoring vehicle performance and taking appropriate action, as required
- moving the vehicle from a stationary position on any incline and decline in an efficient, safe and legal manner while protecting the drive train
- negotiating left and right corners in a low risk and legal manner including:
  - high speed bends with different cambers
  - laned
  - multi-turning lanes
  - unlaned
- negotiating roundabouts, straight, left, right and U-turns in a low risk and legal manner including:
  - laned
  - multi-turning lanes
  - unlaned
- reading and interpreting relevant instructions, road rules, procedures, jurisdictional requirements, information and signs when driving
- reversing the vehicle in various directions while applying correct observation techniques and vehicle control in a low risk and legal manner
- selecting an appropriate speed and safety gap to lower risk when driving in adverse weather, hazard density and road conditions
- selecting speed based on hazard density and legal requirements
- stopping the vehicle from variable speeds at a defined location in a safe, controlled and legal manner.

## 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:

- application and understanding of advanced observation techniques
- application of different steering methods when turning or negotiating high-speed bends
- cabin drill theory on vehicle operation and control including:
  - application of in-vehicle technology
  - correct operation of controls
  - gear selection up and down, automatic or manual vehicles
  - identifying key information for information systems
  - managing vehicle control pedals for efficiency, safety and feel
  - steering methods, hand over hand and pull push advantages and disadvantages
- cognitive factors that may influence performance in car driving activities
- consequences of vehicle collisions or incidents
- correct application of low and high-speed braking theories
- critical factors underpinning high-level driving technical skill competence
- efficient gear changes on any incline and decline, manual and automatic vehicles, while protecting the drive train
- efficient vehicle movement from a stationary position, manual and automatic, while protecting the drive train
- emergency threshold braking techniques to maximise stability and control
- factors contributing to collisions or incidents including:
  - age, experience, drugs, alcohol, medication, road conditions, fatigue and time of day
  - consequences of vehicle collisions or incidents
  - emotional factors, driver's own behaviours and driver's operation at high levels of risk
  - types of adverse driving conditions commonly encountered during driving activities, driver values, emotions, limitations and personal needs
- left and right turn requirements on laned and unlaned roads
- low risk driving behaviours including:
  - application of advanced observation and scanning techniques including:
    - procedures for identifying and responding to hazards
    - removal of blind spot, natural blind spot and vision block out
  - application of key techniques that reduce braking distance on approach to hazards
  - creating and maintaining collision or incident avoidance space technique
  - early position selection on approach to hazards and risk reduction theories
  - hazard approach and negotiation
  - protecting collision or incident avoidance space
  - speed selection based on hazard density and legal requirements
- position on road or lanes requirements for both laned and unlaned roads
- procedures for identifying and responding to hazards
- purpose and benefits of road rules enforcement for low risk car driving
- relevant laws and penalties for demerit point offences, such as driving while unlicensed, disqualified or under the influence of drugs or alcohol

- relevant road rules and traffic safety legislation including:
  - alcohol and drugs
  - driver licensing
  - rationale for ongoing development of traffic regulations to meet changing traffic conditions
  - vehicle registration
- road rules, safety information and directions
- road signs, signals and markings meanings
- roundabouts including straight, left, right and U-turns on laned and unlaned roads
- rural and urban roadcraft including:
  - cornering and turning techniques including different cambers
  - different types of skids and recovery techniques
  - interpreting, adjusting and negotiating different road surfaces
  - multi-lane entry and exit
  - overtaking and passing other vehicles
  - road and lane position
  - speed scatter
- speed and the effect on vehicle handling, braking and cornering
- speed effect on vision, hazard awareness and mental processing
- starting and stopping the vehicle in a safe and efficient manner
- techniques, stability, legality and low risk requirements for diverging and merging
- types of adverse driving conditions commonly encountered during driving activities
- vehicle operation and control including:
  - cabin drill
  - in-vehicle technology
  - managing accelerator
  - managing brakes
  - managing steering
  - start, move off, shut down and secure.

## 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 in a 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 range of relevant exercises, case studies and/or simulations
- applicable documentation, including legislation, regulations, codes of practice, workplace procedures and operation manuals
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- suitable vehicle that meets state/territory requirements.

## **Links**

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